
SAW



CUT



SAND



PLANE



RIP



ROUT



SIZE



DRILL



SHAPE



TURN



TO

POWERMATIC®

**GENERAL PRODUCT
POWERMATIC WARRANTY**

Powermatic, a Division of Stanwich Industries, Inc., Morrison Road, McMinnville, Tennessee 37110 ("Powermatic") warrants to its authorized distributors of Powermatic products and the original purchasers from such distributors, all products manufactured by Powermatic to be free of defects in material and workmanship for a period of twelve (12) months from the date of delivery from its authorized distributors or 2000 hours of use, whichever occurs first. During said warranty period Powermatic will, at its option, repair or replace any product (or component part thereof) proving defective during said period. This warranty applies only to products which are used in accordance with all instructions as to operation, maintenance and safety set forth in the catalogs, manuals, and/or instruction sets furnished by Powermatic. This warranty becomes effective only if the accompanying card is fully and properly completed and returned to Powermatic within ten (10) days from date of delivery to the original purchaser.

This warranty does not apply to items that would normally be consumed or require replacement due to normal wear (blades, lubricants, etc.); to electrical motors and components which are warranted by their manufacturer; or the costs of removal, shipment for service and reinstallation. Claims relating to electrical components must be taken to the component manufacturer's local authorized repair station for service.

This warranty is null and void if the product has been subjected to (1) misuse, abuse or improper service or storage; (2) accident, neglect, damage or other circumstances beyond Powermatic's control; (3) modifications, disassembly, tampering, alterations or repairs outside of Powermatic's factory not authorized by Powermatic; or to any product not bearing its original serial number plate. This warranty does not apply to normal wear and tear, corrosion, abrasion, or repairs required due to natural causes or acts of God.

To obtain the fastest possible warranty service you must first notify in writing the authorized Powermatic distributor from whom you purchased the product specifying (1) the product by catalog number and serial number, (2) the date the product was delivered to you, (3) a description of the problem for which you seek warranty service, and (4) evidence of proof of purchase. Should circumstances prohibit you contacting the distributor then contact the Powermatic factory directly. If your claim is covered by this warranty, your Powermatic distributor will provide you with instructions as to how and where service will be provided. On simple warranty replacement or repairs, installation instructions will be provided to allow correction by customer personnel. Powermatic assumes no responsibility for products which are returned without its prior written authorization. Powermatic's obligation under this warranty shall be exclusively limited to repairing or replacing (at Powermatic's option) products which are determined by Powermatic to be defective upon delivery, F.O.B. (return freight paid by customer) Powermatic's factory, and on inspection by Powermatic. In no event shall Powermatic's liability under this warranty exceed the purchase price paid for the product.

THIS IS POWERMATIC'S SOLE WRITTEN WARRANTY. ANY AND ALL OTHER WARRANTIES WHICH MAY BE IMPLIED BY LAW, INCLUDING ANY WARRANTIES FOR MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE HEREBY LIMITED TO THE DURATION OF THIS WRITTEN WARRANTY. POWERMATIC SHALL NOT BE LIABLE FOR ANY LOSS, DAMAGE OR EXPENSES DIRECTLY OR INDIRECTLY RELATED TO THE USE OF ITS PRODUCTS OR FROM ANY OTHER CAUSE OR FOR CONSEQUENTIAL DAMAGES (INCLUDING WITHOUT LIMITATION, LOSS OF TIME, INCONVENIENCE, AND LOSS OF PRODUCTION). THE WARRANTY CONTAINED HEREIN MAY NOT BE MODIFIED AND NO OTHER WARRANTY, EXPRESS OR IMPLIED, SHALL BE MADE ON BEHALF OF POWERMATIC.

POWERMATIC RESERVES THE RIGHT TO CHANGE OR IMPROVE THESE MACHINES WITHOUT OBLIGATING ITSELF TO MAKE SUCH CHANGES OR IMPROVEMENTS ON MACHINES PREVIOUSLY SOLD.

POWERMATIC RESERVES THE RIGHT TO ADD OR DELETE ANY MODELS WITHOUT PRIOR NOTICE OR OBLIGATION.

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Model 66 10" Tilting Arbor Saw

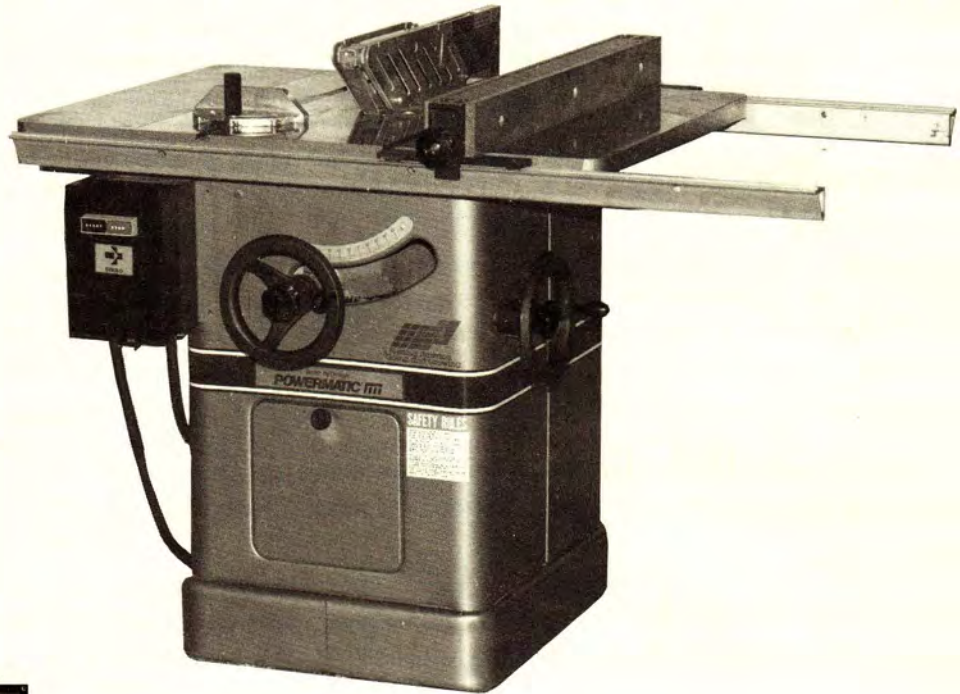
All Machines Performance-Tested Before Shipment

EXCLUSIVE NEW POWER—designed for use with motors from 2 to 5 HP (1.49 to 3.73 kw)! Three A—Section belts drive blade.

PRECISION MITER GAUGE—guarantees true accuracy on even largest stock. Easily adjustable in table T-slots.

DESIGNED FOR SAFETY—saw guard and splitter have anti-kickback pawls. Guard swings away easily for blade change.

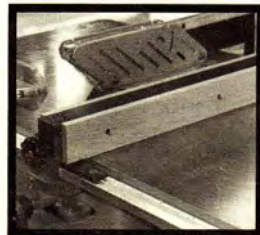
FENCE—standard equipment includes Powermatic's exclusive new posi-track fence and rail system. Optional systems now include the old cast fence and round rails and the popular T-square fence by Biesemeyer.



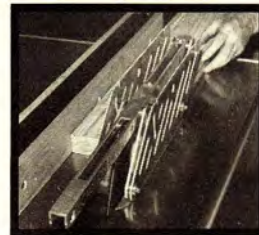
The rugged dependability of a Powermatic table saw, joined with the consistent accuracy of a Biesemeyer T-square saw fence, creates the ultimate in precise easy-to-use saw systems. See optional accessory column for listings.

EXTRA CAPACITY—10" (254.00 mm) blade cuts stock up to 3 1/8" (79.38 mm) at 90 degrees ranging to 2 1/8" (53.98 mm) cut at 45 degree position. Shown without guard for illustration only.

MITER CUT ACCURACY—T-slot type miter gauge adjusts easily, extends beyond table for bigger stock.



The posi-track fence features positive alignment, excellent repetitive cuts, lift off and installation at any position and replaceable, interchangeable or reversible hardwood face plates.



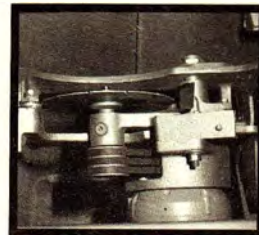
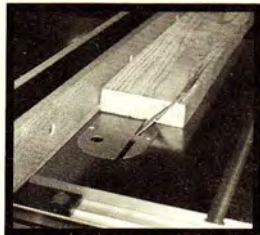
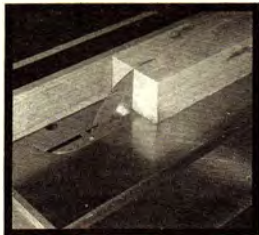
Individual action of guard sides cover blade during any and all through cutting operations.



Overarm guard (optional) with "hide away" heavy duty splitter.

WIDE STANCED TRUNNION—precision machined from heavy duty grey iron castings. Maintains perfect alignment for easy hand-wheel worm-gear adjustment. Exclusive C-flange motor mount relieves weight at trunnion pivot.

CAST IRON FENCE—the always popular cast iron fence and round guide rail system is still available. Check optional accessory column for listing.



Model 66 10" Tilting Arbor Saw

STANDARD EQUIPMENT

Model 66 10" tilting arbor saw complete with POSI-TRACK RIP FENCE 48" (1219.20 mm) guide rails, extension wings, enduro 10" carbide tipped blade, blade guard, splitter with anti-kickback pawls, arbor wrench, and motor pulley. Less motor and controls.

BASIC MACHINES

- 1660010** Model 66 Saw complete with standard equipment
1660030 Same as 1660010 except 74" rails and cast iron extension for ripping 50" to right of blade
1660620 Same as 1660010 except with overarm guard
1660630 Same as 1660030 except with overarm guard

PRICE IS RIGHT MACHINES

- 1660750** Model 66 Saw complete with standard equipment plus 5 HP 3 phase 230 volt motor and magnetic controls
1660760 Model 66 Saw complete with standard equipment plus 3 HP 1 phase 230 volt motor and magnetic controls
1660770 Same as 1660750 except 74" rails and cast iron extensions for ripping 50" to right of saw blade
1660780 Same as 1660760 except with 74" rails and cast iron extensions for ripping 50" to right of saw blade
1660791 Model 66 saw complete with standard equipment plus 5 HP 1 phase 230 volt motor and magnetic control

POWERSTAR MACHINES

- 1660786** Model 66 Saw complete with standard equipment plus 2 HP 1 phase 230 volt motor, manual control, and Model 50 T-Square fence.
1660787 Model 66 Saw complete with standard equipment plus 2 HP 3 phase 230 volt motor, manual control, and Model 50 T-Square fence.

MOTORS

1 PHASE

- 6471723** 2 HP (1.492 kw), 60Hz, 3600 RPM (376.99 rad/s), 230v, 145TC frame, TEFC.
6472028 3 HP (2.238 kw), 60Hz, 3600 RPM (376.99 rad/s), 230v, 145TC frame, TEFC. Requires magnetic control.
6472335 5 HP (3.370 kw), 60Hz, 3600 RPM (379.99 rad/s), 230v, 184C frame, TEFC. Requires magnetic control 2398551.

3 PHASE

- 6471719** 2 HP (1.492 kw), 60Hz, 3600 RPM (376.99 rad/s), 200v, TEFC, 145 TC frame.

- 6471720** 2 HP (1.492 kw), 60Hz 3600 RPM (376.99 rad/s), 230/460v, TEFC, 145 TC frame.
6472024 3 HP (2.238 kw), 60Hz, 3600 RPM (376.99 rad/s), 200v, TEFC, 145 TC frame. Requires magnetic control.
6472025 3 HP (2.238 kw), 60Hz, 3600 RPM (376.99 rad/s), 230/460v, TEFC, 145 TC frame. Requires magnetic control.
6472307 5 HP (3.730 kw), 60Hz, 3600 RPM (379.99 rad/s), 230/460v, TEFC, 184C frame. Requires magnetic control 2398332.

CONTROLS

1 PHASE

- 2398044** Magnetic Controls, 230v for use w/2 or 3 HP motor
2398155 Switch, 230v, (for 2 HP motors only)
***2398485** Magnetic Controls, 230v, w/24v transformer
2398551 Magnetic control, 230v, for use with 5 HP, 1 phase motor 6472335

3 PHASE

- 2398051** Magnetic Controls, 200/230/460/575v, for use with w/2 HP or 3 HP motor

- 2398154** Switch, 200/230/460/575v (for 2 HP motors only)
2398230 JIC Controls, 200/230/460/575v
2398332 Magnetic control, 200/230/460/575v for use with 5 HP, 3 phase motor 6472307
***2398480** Magnetic Controls, 200/230/460/575v, w/24v transformer
9100003 Conduit in lieu of standard wiring
 *May be specified with 110v transformer

OPTIONAL ACCESSORIES

- 2028081** Gliding table attachment
2104016 Motor cover. Wt. 9 lbs. (4.2 kg)
2195002 Cast Iron fence for round rails
2195026 Posi-track fence
2250116 Blade Guard and Splitter Assembly. Wt. 5 lbs. (4.5 kg)
2250117 Safety-flex Overarm Guard. Wt. 10 lbs. (4.5 kg)
2328002 Dado Insert Plate for 6" dado head. Wt. 1 lb. (.45 kg)
2389003 Iron Extension including rails, for ripping 49" (1244.60 mm) to right of saw. Wt. 170 lbs. (77.1 kg)
2398543 Kit, electric remote switch for gliding table attachment.
2471009 Miter Gauge. Wt. 4 lbs. (1.8 kg)
2653001 48" (1219.20 mm) Round Table Rails with mating hardware

- 2653002** 72" (1828.80 mm) Round Table Rails with mating hardware, for ripping 49" (1244.80 mm) to right of saw. Wt. 62 lbs. (28.1 kg)
2653012 50" rails for Posi-track fence
2653016 74" rails for Posi-track fence
3186008 8" (203.20 mm) Cast Iron Extension Wing
6077004 Motor Belts (3 required) 4L230. Wt. 8 oz. (.23 kg)
6080143 Enduro 10" carbide tipped blade
6253011 Biesemeyer T-square fence and rail system for ripping 50" to right of saw blade. (In lieu of standard fence and rails)
6827009 Formica topped table for 50" capacity T-square fence system
6441000 Set of 2 legs for 6827009 table

SPECIFICATIONS

Table with std. extensions 28" X 38" (711.20 mm X 965.20 mm)
 Rip fence, box type precision ground 1½" X 2½" X 33"
 Diameter of arbor 5/8" (15.88 mm)
 Diameter of saw blade 10" (254.00 mm)
 Blade tilt 45 degrees
 Maximum depth of cut 90 degrees 3½" (79.38 mm) 45 degrees
 2½" (53.98 mm)
 Maximum cut with std. extensions to right of saw blade,
 std. fence 25" (635.00 mm)
 Maximum width cut-off in front of saw in 1" (25.40 mm) stock
 15" (381.00 mm)

Maximum width cut-off in front of saw in 3/8" (79.38 mm)
 stock 12¼" (311.15 mm)
 Maximum width of dado cut 13/16" (20.64 mm)
 Motor power recommended 2 to 5 HP (1.49 to 3.73 kw)
 3600 RPM (361.28 rad/s)
 Speed of saw blade 4000 RPM (418.88 rad/s)
 Table height 34" (863.60 mm)
 Weight, net less motor 350 lbs. (158.8 kg)
 Weight, net with motor 450 lbs. (204.1 kg)
 Weight, domestic crated with motor 500 lbs. (226.8 kg) app.

Model 68 12" Tilting Arbor Saw

All machines performance tested before shipment.

Accuracy engineered for every production or shop job.

This heavy production leader is priced well within the budget range of the small cabinet shop or production plant which requires the extra capacity of a 12" tilting arbor saw at an economical price.

A wide spaced heavy duty cast iron trunnion rigidly supports a 1" arbor mounted in sealed ball bearings, assuring accuracy in every cut.

A heavy gauge reinforced steel cabinet supports a massive 38" X 48" cast iron table.

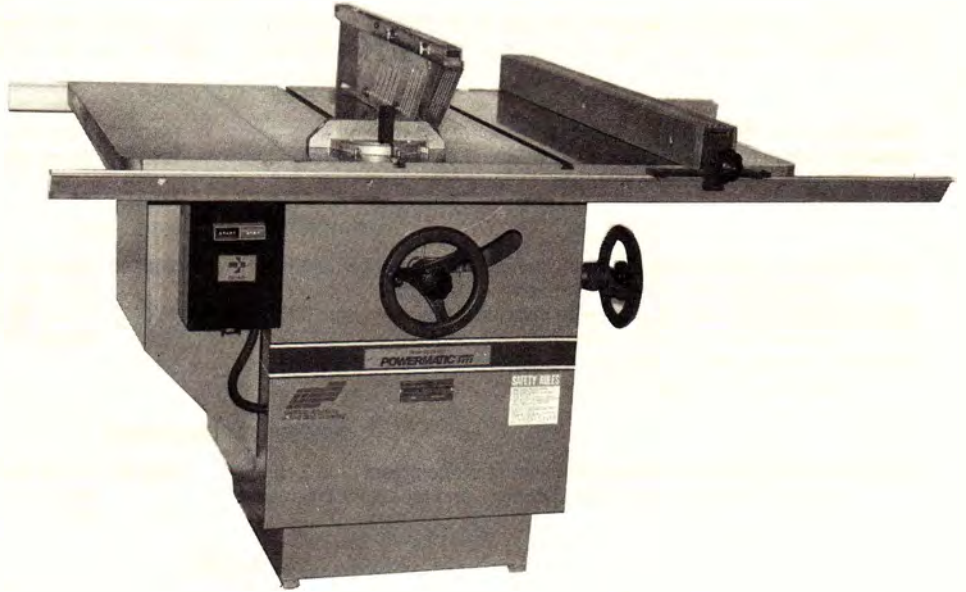
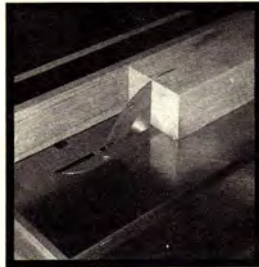
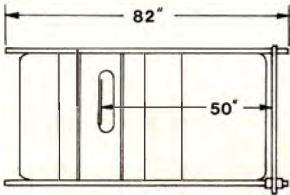


Table with 25" extension section and 82" rails for cutting 50" to right of saw blade (optional)



Extra Capacity—12" (304.80 mm) blade cuts stock up to 4 1/8" (104.78 mm) at 90 degrees ranging to 2 7/8" (73.02 mm) cut at 45 degree position at maximum height. Shown without guard for illustration only.



Individual action of guard sides cover blade during any and all through cutting operations.



Miter Cut Accuracy—T-slot type miter gauge adjusts easily, extends beyond table for wide stock.



Overarm guard (optional) with "hide away" heavy duty splitter provides maximum safety.



The posi-track fence features positive alignment, excellent repetitive cuts, lift off and installation at any position and replaceable, interchangeable or reversible hardwood face plates.



ADDED SAFETY—blade tilts away from fence to guard against possible binding of material against fence. Shown without guard for illustration only.

The rugged dependability of a Powermatic table saw joined with the consistent accuracy of a Biesemeyer T-square saw fence, creates the ultimate in precise, easy-to-use saw systems. See optional accessory column for listings.

Model 72 12" - 14" Tilting Arbor Saw

Meet the heavy weight "Performance Master" in Powermatic's tilting arbor saw line! This 12"-14" saw is designed for big job performance, dependability, and unmatched value.

Exclusive features include a C-flange motor mount which relieves the arbor assembly from all weight. Not only does this assure easier raising and tilting of the saw blade, but permits tilting the saw blade to the left, away from the fence for safer operation.

The unique saw guard and splitter features new positive work hold anti kick-back pawls and individual action of each saw leaf covers blade through entire tilt range. The new "lift off" Posi-track fence provides effortless adjustment and positive alignment on all ripping operations.

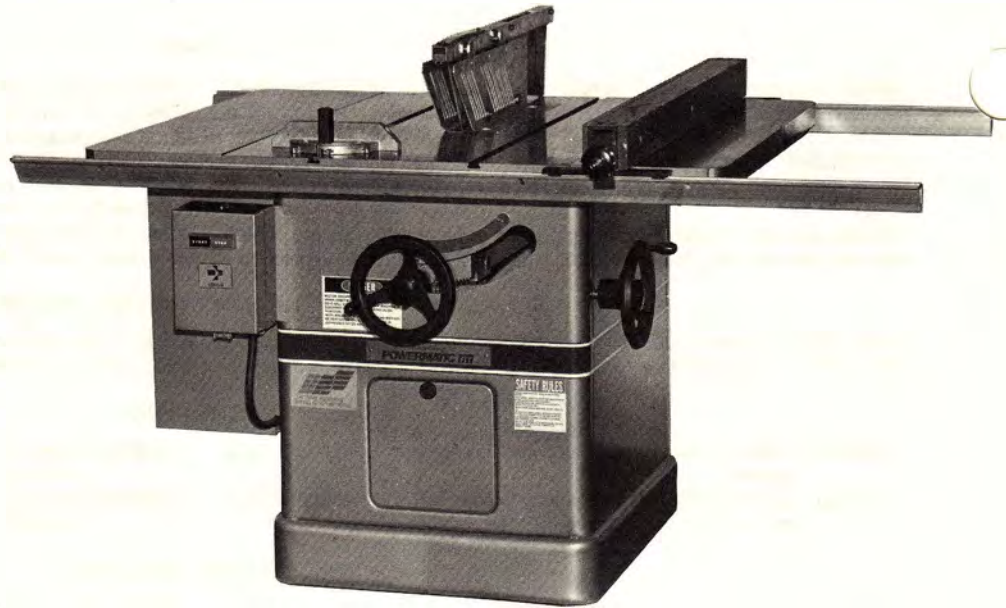
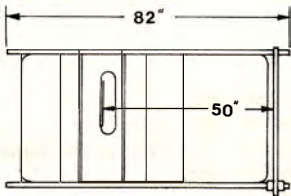
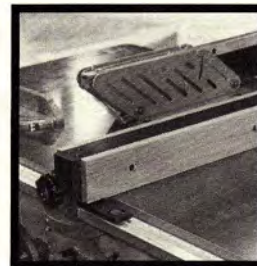


Table with 25" extension section and 82" rails for cutting 50" to right of saw blade (optional)



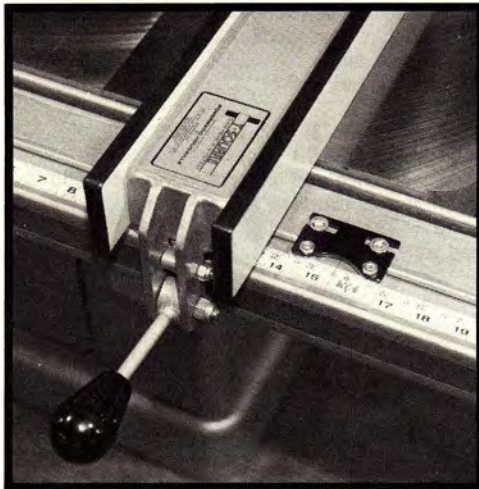
Extra Cut-Off Capacity table in front of blade is full 21" (533.40 mm) at 1" (25.40 mm) cut.



Exclusive new posi-track fence features positive alignment, excellent repetitive cuts, lift off and installation at any position and replaceable, interchangeable or reversible hardwood face plates.



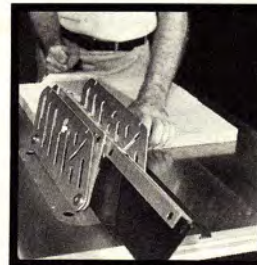
ADDED SAFETY—blade tilts away from fence to guard against possible binding of material against fence. Shown without guard for illustration only.



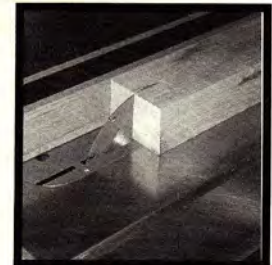
The rugged dependability of a Powermatic table saw, joined with the consistent accuracy of a Biesemeyer T-square saw fence, creates the ultimate in precise easy-to-use saw systems. See optional accessory column for listings.



Individual Action of each guard leaf covers blade through entire tilt range. Saw blade is not exposed to operator.



Miter Cut Accuracy—T-slot type miter gauge adjusts easily, extends beyond table for wide stock.



Extra Capacity—14" (355.60 mm) blade cuts stock up to 5 1/8" (130.18 mm) at 90 degrees ranging to 3 3/8" (92.08 mm) cut at 45 degree position at maximum height. Shown without guard for illustration only.

Model 72 12" - 14" Tilting Arbor Saw

FEATURES

TABLE: Standard table with extension wings measures 38" X 48" (965.20 mm X 1219.20 mm) is accurately machined and rib reinforced to hold a true surface.

SAW GUARD: The rigid saw guard and splitter is fitted with anti-kickback pawls. Individual action of each guard leaf covers blade through entire tilt range.

ARBOR: A large 1" blade arbor is mounted in heavy-duty sealed for life ball bearings requiring no lubrication and is driven by three V-belts for maximum power. Arbor tilts away from fence for safer operation.

FENCE: Standard equipment includes Powermatic's exclusive Posi-track fence and rail system. Optional systems can now include the old cast iron fence and round rails or the popular T-square fence by Biesemeyer.

MOTOR MOUNT: An exclusive wide stance trunnion accommodates a standard C-flange motor which mounts on the saw arm pivot shaft and does not place weight on the saw arm. This type of mounting releases the saw arbor of motor weight permitting easy raising and tilting of saw blade.

BLADE: Machine uses a 12" diameter saw blade but this saw easily accommodates a 14" blade for extra cutting depth capacity of 5 1/8"

12"—14" T.A. SAW STANDARD EQUIPMENT

Model 72 12"-14" Tilting Arbor Saw: Rip fence, miter gauge, guide rails, blade guard, splitter with anti-kickback pawls, two table extension wings,

motor belts, arbor, motor cover and pulleys. Less motor, controls, and saw blade.

BASIC MACHINES

- 1720120** Model 72 saw complete with standard equipment less motor and controls
- 1720150** Model 72 saw complete with standard equipment except with 82" rails and cast iron extensions for ripping 50" to right of saw blade

- 1720160** Same as 1720120 except with overarm guard in lieu of standard
- 1720170** Same as 1720150 except with overarm guard in lieu of standard

PRICE IS RIGHT MACHINES

- 1720280** Model 72 saw complete with all standard equipment plus 7 1/2 HP 3 phase 230 volt motor and magnetic controls

- 1720281** Model 72 saw complete with all standard equipment plus 5 HP 1 phase 230 volt motor and magnetic controls

MOTORS

- 1 Phase**
- 6472028** 3 HP (2.238 kw), 60 Hz, 3600 RPM (376.99 rad/s), 230v TEFC, 145TC frame.
- 6472335** 5 HP (3.730 kw), 60 Hz, 3600 RPM (379.99 rad/s), 230v 184C frame, TEFC. Requires magnetic control 2398551.
- 3 Phase**
- 6472307** 5 HP (3.730 kw), 60 Hz, 3600 RPM (376.99 rad/s), 230/460v TEFC, 174C frame.

- 6472327** 5 HP (3.730 kw), 60 Hz, 3600 RPM (376.99 rad/s) 200v, TEFC, 184C frame.
- 6472504** 7 1/2 HP (5.595 kw), 60 Hz, 3600 RPM (376.99 rad/s), 230/460v, TEFC, 184C frame.
- 6472511** 7 1/2 HP (5.595 kw), 60 Hz, 3600 RPM (376.99 rad/s), 200v, TEFC, 184C frame.

MOTOR RECOMMENDATIONS

- 3, 5 or 7 1/2 HP, (2.238, 3.720, 5.595 kw) for 12" (304.80 mm) T.A. Saws.
- 5 or 7 1/2 HP (3.720, 5.595 kw) for 14" (355.60 mm) T.A. Saws

CONTROLS

- 1 Phase**
- 2398334** Magnetic Controls, 230v.
- *2398496** Magnetic Controls, 230v, w/24v transformer.
- 2398551** Magnetic control, 230v for use with 5 HP 1 phase motor 6472335

- 3 Phase**
- 2398230** JIC Controls, 200/230/460/575v.
- 2398332** Magnetic Controls, 200/230/460/575v.
- *2398468** Magnetic Controls, 200/230/460/575v w/24v transformer.
- 9100003** Conduit in lieu of standard wiring.
- *May be specified with 110v transformer.

OPTIONAL ACCESSORIES

- 2028082** Gliding table attachment
- 2104016** Motor cover. Wt. 9 lbs. (4.1 kg)
- 2195025** Posi-track fence
- 2195009** Aluminum fence for round rails. Wt. 20 lbs. (9.1 kg)
- 2250115** Safety-flex overarm guard assembly. Wt. 10 lbs. (4.5 kg)
- 2250154** Blade guard and splitter assembly. Wt. 5 lbs. (2.3 kg)
- 2328018** Dado insert, with leveling screws. Wt. 1 lb. (.45 kg)
- 2328019** Table insert, with leveling screws. Wt. 1 1/2 lbs. (.68 kg)
- 2389002** Cast Iron extensions with 82" (2032 mm) rails, for ripping 49" (1244.60 mm) to right of blade. Wt. 340 lbs. (154.2 kg) (std. fence)
- 2471005** Miter gauge. Wt. 4 lbs. (1.8 kg)
- 2653003** 80" (2032 mm) round table rails with mating hardware, for ripping 49" (1244.60 mm) to right of saw blade

- 2653014** 66" rails for posi-track fence
- 2653018** 82" rails for posi-track fence
- 2761025** Fence mtg. stock stop
- 6077169** Motor belts (3 required 3V-250) Wt. 8 oz. (.22 kg)
- 6080048** 12" (304.80 mm) combination saw blade 1" (25.40 mm) bore. Wt. 1 3/4 lbs. (.8 kg)
- 6080119** 14" (355.60 mm) combination saw blade 1" (25.40 mm) bore. Wt. 2 lbs. (.9 kg)
- 6253056** Biesemeyer T-square fence and rail system for ripping 50" to right of blade (in lieu of standard fence and rail)
- 6441000** Set of 2 legs for 6827019 table
- 6827019** Formica topped table for 50" capacity T-square fence system

SPECIFICATIONS

- Table height.....35" (889.00 mm)
- Table size, with extension wings38" x 48" (965.20 mm x 1291.20 mm)
- Arbor diameter 1" (25.40 mm)
- Saw blade diameter 12" (304.80 mm) or 14" (355.60 mm)
- Blade tilt (left only) 45 degrees
- Maximum depth of cut, 12" (304.80 mm) blade 90 degrees 4 7/8" (104.78 mm)
- Maximum depth of cut, 14" (355.60 mm) blade 90 degrees 5 1/8" (130.18 mm) (14" (35.60 mm) blade is 3/8" (15.88 mm) above table top at lowest position.)

- Maximum rip to right of blade, with standard extensions30" (762.00 mm)
- Maximum rip to left of blade, with standard extensions24" (609.60 mm)
- Maximum rip to right of blade, with long extensions50" (1270.00 mm)
- Maximum width of cut-off, 1" (25.40 mm) stock21" (533.40 mm)
- Maximum width of cut-off, 5/8" (130.18 mm) stock17" (431.80 mm)
- Maximum width of dado 1 3/16" (20.64 mm)
- Shipping Wt., with motor 920 lbs. (417.3 kg)

Model 74 - 12" Tilting Arbor Scoring Saw

All machines performance tested before shipment.

The first American made tilting arbor saw designed to cut panels of plywood, veneer, formica, plastic laminate or chipboard without ugly and costly chipping on the bottom of the workpiece.

The model 74 - 12-14" tilting arbor saw is fitted with a scoring blade, adjustable in height, which fits in front of the main saw blade and is set to "score" or make a small relief cut in the underside of the material before it reaches the main blade. This relief eliminates the chipping normally caused by the main saw blade.

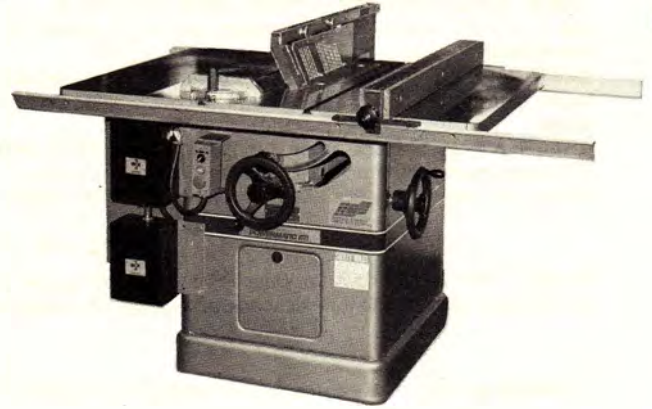
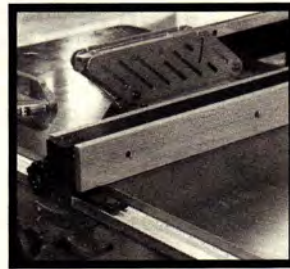
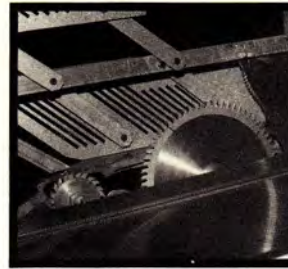


Table with 25" extension section and 82" rails for cutting 50" to right of saw blade (optional).



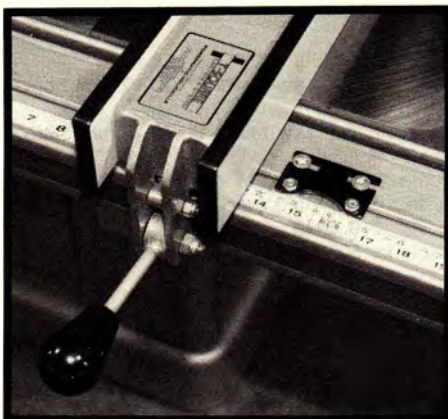
Exclusive new posi-track fence features positive alignment, excellent repetitive cuts, lift off and installation at any position and replaceable, interchangeable or reversible hardwood face plates.



The first American made saw to feature scoring - minimize panel chipping.



Guard hold down - a unique spring loaded hold down helps prevent panel lift by the blade during scoring operations.



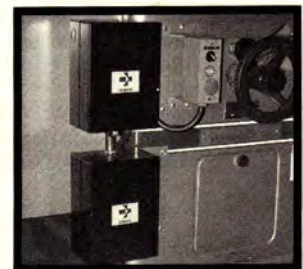
The rugged dependability of a Powermatic table saw, joined with the consistent accuracy of a Biesemeyer T-square saw fence, creates the ultimate in precise, easy-to-use saw systems. See optional accessory column for listings.



Miter Cut Accuracy - miter gauge adjusts easily, extends beyond table for wide stock.



Overarm guard (optional) with hide away heavy duty splitter provides added safety.



The scoring blade is independently adjustable and may be moved below the surface of the table when performing regular tilting arbor saw functions. A separate On/Off switch controls the scoring motor permitting either sawing and/or scoring.

Model 74 - 12" Tilting Arbor Scoring Saw

FEATURES

TABLE: Standard table with extension wings measures 38" X 48" (965.20 mm X 1219.20 mm) is accurately machined and rib reinforced to hold a true surface.

SAW GUARD: The special guard and splitter designed to cover both blades, is also equipped with a spring loaded front holddown which prevents thin material from lifting during the initial contact with the scoring saw. The anti-kickback pawls are heavy-duty stampings with sharp teeth which dig in to help stop kickback.

ARBOR: A large 1" blade arbor is mounted in heavy-duty sealed for life

ball bearings requiring no lubrication and is driven by three V-belts for maximum power. Arbor tilts away from fence for safer operation.

MOTOR MOUNT: An exclusive wide stance trunnion accommodates a standard C-flange motor which mounts on the saw arm pivot shelf relieving the arbor of motor weight. This mounting permits easy raising and tilting of saw blade.

FENCE: Standard equipment includes Powermatic's exclusive posi-track fence and rails. Optional systems include the old cast iron fence and round rails or the popular T-square fence by Biesemeyer.

STANDARD EQUIPMENT

Model 74 12"—14" scoring tilting arbor saw equipped with rip fence, miter gauge, cast iron extension wing, blade guard and splitter with anti-

kickback pawls, belts, motor cover and motor pulley, less motors and controls.

BASIC MACHINES

- 1740010** Model 74 12-14" scoring tilting arbor saw with all standard equipment, less motor and controls.
- 1740020** Model 74 12-14" scoring tilting arbor saw with standard equipment except with cast iron extension rails for ripping 50" to right of saw blade.

- 1740030** Same as 1740010 except with overarm guard in lieu of standard.
- 1740040** Same as 1740020 except with overarm guard in lieu of standard.

PRICE IS RIGHT MACHINE

- 1740140** Model 74 12-14" scoring tilting arbor saw with all standard equipment plus 7½ HP 3 phase drive motor, ½ HP scoring

motor, magnetic controls and carbide tipped 12" and 4" saw blades.

MOTORS

1 PHASE

- 6472028** 3 HP (2.238 kw), 60Hz, 3600 RPM (376.99 rad/s), 230v TEFC, 145TC frame.
- 6472335** 5 HP (3.730 kw), 60Hz, 3600 RPM (379.99 rad/s), 230v, 184C frame, TEFC. Requires magnetic control 2398551.

3 PHASE

- 6472307** 5 HP (3.730 kw), 60Hz, 3600 RPM (376.99 rad/s), 230/460v TEFC, 184C frame.
- 6472327** 5 HP (3.730 kw) 60Kz, 36000 RPM (376.99 rad/s), 200v TEFC, 184C frame.

- 6472504** 7½ HP (5.595 kw), 60Hz, 3600 RPM (376.99 rad/s), 230/460v TEFC, 184C frame.
- 6472511** 7½ HP (5.595 kw), 60Kz, 3600 RPM (376.99 rad/s), 200v TEFC, 184C frame.

MOTOR RECOMMENDATIONS

3.5 or 7½ HP (2.238, 3.720, 5.595 kw) for 12" (304.80 mm) T.A. Saws, 7½ HP (5.595 kw) for 14" (355.60 mm) T.A. Saws.

CONTROLS

- 2398535** Magnetic Controls, 230v - 1 phase (230 Volts only).
- 2398536** Magnetic Controls, 200/230/460/575v.

- 2398537** Magnetic Controls, 200/230/460/ with 24v transformer.
 - 9100002** Conduit in lieu of standard wire.
- *May be specified with 110v transformer.

OPTIONAL ACCESSORIES

- 2028082** Gliding table attachment
- 2104016** Motor cover
- 2195009** Aluminum fence for round rails. Wt. 25 lbs. (1131 kg)
- 2195025** Posi-track fence
- 2250113** Blade guard and splitter assembly. Wt. 5 lbs. (7.3 kg)
- 2250115** Safety-flex overarm guard assembly. Wt. 10 lbs. (4.5 kg)
- 2328022** Dado insert, with leveling screws. Wt. 1¼ lbs. (.57 kg)
- 2328021** Standard insert, with leveling screws. Wt. 1¼ lbs. (.79 kg)
- 2389002** Cast Iron extensions with 80" (2032 mm) rails
- 2398543** Kit, electric remote switch for gliding table attachment
- 6080120** 14" (335.6 mm) flat ground cutoff saw blade 1" (25.4 mm) bore. Wt. 2¼ lbs. (1.0 kg)
- 6080138** 12" (305 mm) 72T combination carbide tipped saw blade (25.4 mm) bore. .118 (3 mm) kerf
- 6080138** 3 19/16" diameter (100 mm) 20T adjusting carbide tipped scoring blade 7/8 approximate bore (22 mm) kerf width .102 (2.6 mm) to 142 (3.6 mm)

- 2653003** 80" table rails with mating hardware for ripping 50" (1270 mm) to right of saw blade (for fence 2195009)
- 6077169** Main motor belt (3 reg.) 3V-250. Wt. 8 oz. (.22 kg)
- 6077165** Scoring motor belt, 7M950. Wt. 2 oz.
- 6080048** 12" (304.80 mm) combination blade 1" (25.40 mm) bore. Wt. 1¾ lbs. (.8 kg)
- 6080119** 14" (335.60 mm) combination blade 1" (25.40 mm) bore. Wt. 1¼ lbs. (1.0 kg)
- 2193026** Posi-track fence
- 2653014** 66" rails for posi-track fence
- 2653018** 82" rails for posi-track fence
- 6253056** Biesemeyer T-square fence and rail system for ripping 50" to right of blade (in lieu of standard fence and rail)
- 6827019** Formica topped table for 50" capacity T-square fence system
- 64410000** Set of 2 legs for 6827019 table

SPECIFICATIONS

Table height.....35" (889.00 mm)
 Table size std. extension 38" x 48" (965.20 mm x 1219.2 mm)
 Table size long extensions 38" x 73" (965.20 mm x 1859.2 mm)
 Arbor diameter 1" (25.40 mm)
 Saw blade diameter 12" (304.80 mm) or 14" (355.60 mm)
 Blade tilt (left only) 45 degrees
 Maximum depth of cut, 12" (304.80 mm) blade 90 degrees 4½" (104.78 mm)
 Maximum depth of cut, 14" (355.60 mm) blade 90 degrees 5½" (130.18 mm) 14" (355.60 mm) blade is ¾" (15.88 mm) above table top at lowest position.

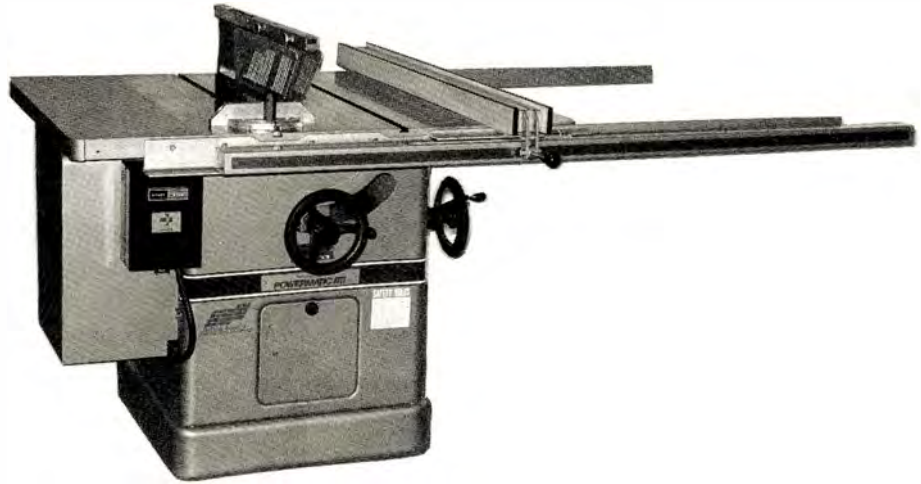
Standard fence surface3¼" (82.55 mm) x 43¾" (1114.42 mm)
 Maximum rip to right of blade, with standard fence and extensions30" (762.00 mm)
 Maximum width of cut-off 1" (25.40 mm) stock 21" (533.40 mm)
 Maximum width of cut-off 5/8" (130.18 mm) stock 17" (431.80 mm)
 Maximum width of dado 1" (25.40 mm)
 Shipping Wt., with motors and controls 5HP std. machine ... 1000 lbs. (451 kg)

T-SQUARE FENCE SYSTEMS

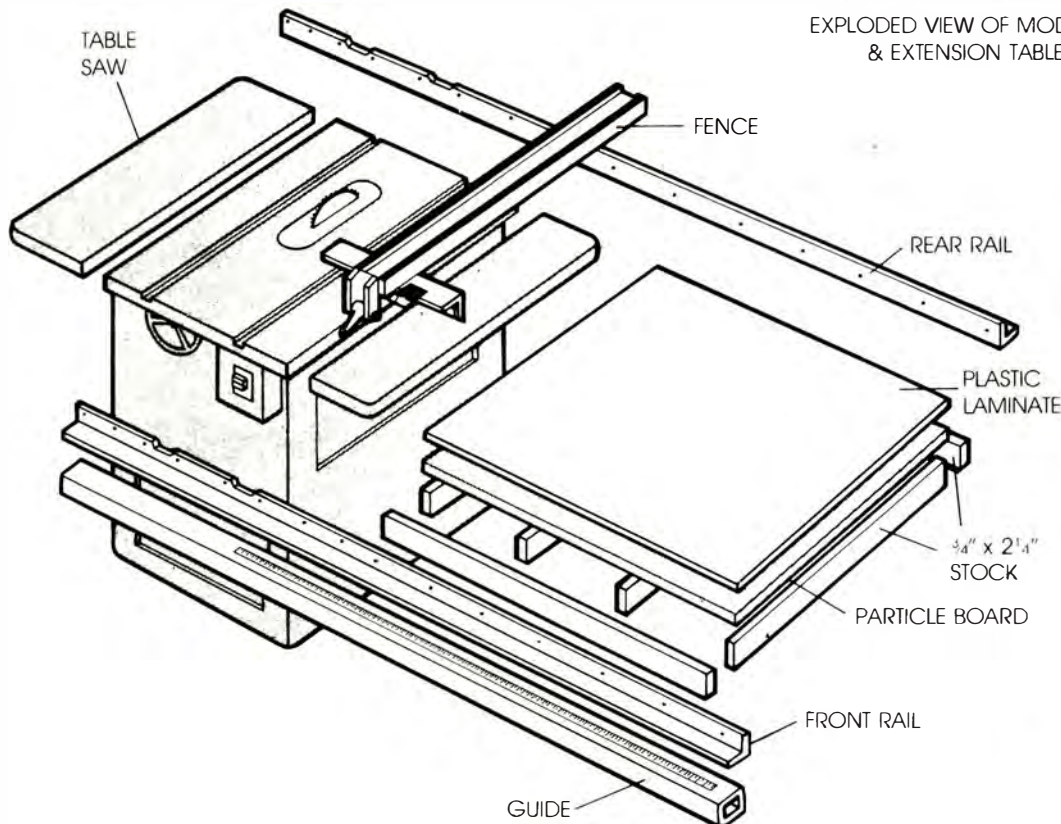
THE TEAM SYSTEM OFFERS

- Unmatched precision, power and flexibility
- Up to 7½ HP cutting capacity
- Repeatability to within 1/64"

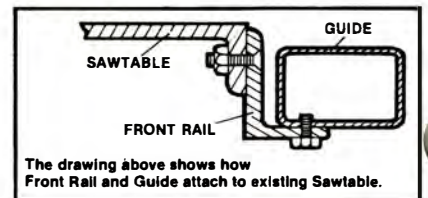
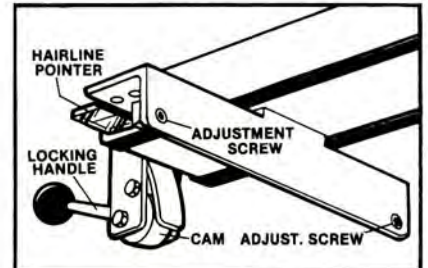
Two woodworking pros teamed up to provide the most durable, precise saw system on the market. The rugged dependability of a Powermatic table saw, joined with the consistent accuracy of a Biesemeyer T-square fence, creates the ultimate in precise, easy to use saw systems.



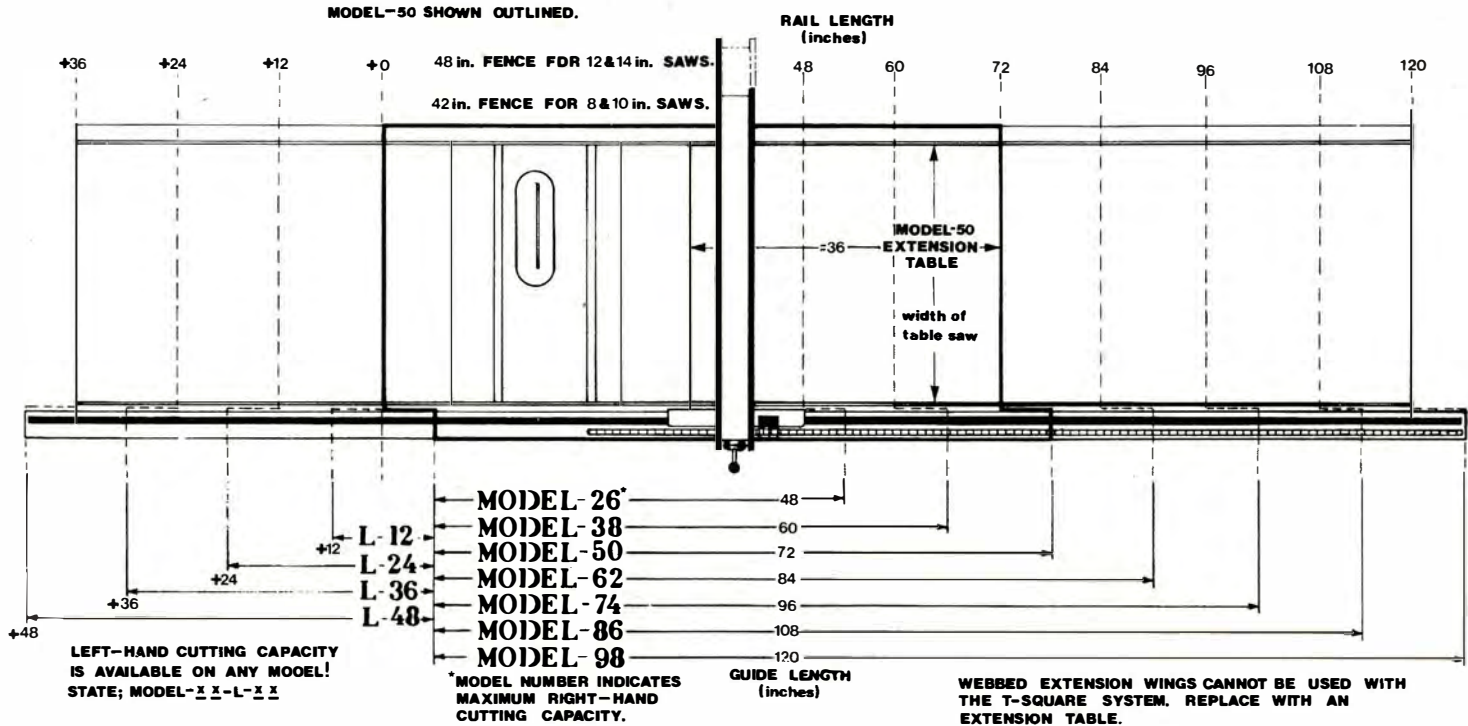
POWERMATIC. BIESEMEYER. T-SQUARE™ SAW FENCE.



EXPLODED VIEW OF MODEL 50 & EXTENSION TABLE



T-SQUARE™ SAW FENCE SYSTEMS MODELS

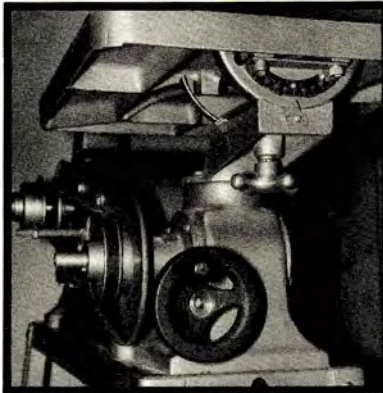


For Model 66	T-Square Number	Cutting Capacity Right	Cutting Capacity Left	For Models 68, 72, 74	For Model 66	T-Square Number	Cutting Capacity Right	Cutting Capacity Left	For Models 68, 72, 74	For Model 66	T-Square Number	Cutting Capacity Right	Cutting Capacity Left	For Models 68, 72, 74
6253001	26	26	0	6253046	6253011	50	50	0	6253056	6253021	74	74	0	6253066
6253002	26	26	12	6253047	6253012	50	50	12	6253057	6253022	74	74	12	6253067
6253003	26	26	24	6253048	6253013	50	50	24	6253058	6253023	74	74	24	6253068
6253004	26	26	36	6253049	6253014	50	50	36	6253059	6253024	74	74	36	6253069
6253005	26	26	48	6253050	6253015	50	50	48	6253060	6253025	74	74	48	6253070
6253006	38	38	0	6253051	6253016	62	62	0	6253061	6253026	86	86	0	6253071
6253007	38	38	12	6253052	6253017	62	62	12	6253062	6253027	86	86	12	6253072
6253008	38	38	24	6253053	6253018	62	62	24	6253063	6253028	86	86	24	6253073
6253009	38	38	36	6253054	6253019	62	62	36	6253064	6253029	86	86	36	6253074
6253010	38	38	48	6253055	6253020	62	62	48	6253065	6253030	86	86	48	6253075

Model 95 Scroll Saws

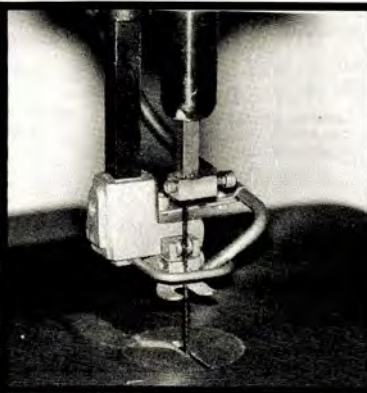
Choice Of Variable-Speed Drive Or Four-Speed Models

Another pace setting achievement of Powermatic engineering. The Model 95 Scroll Saw is unsurpassed in quality, features, and all around ruggedness. Designed and produced by popular demand, this 24" (609.60 mm) unit is ideally suited to cabinet, school and pattern shops. Use it as a jig saw, saber saw or filing machine . . . and get more value, more use, and greater accuracy at less cost. Constructed of cast iron and steel, the Model 95—24" (609.60 mm) Scroll Saw is engineered to minimize distortion.



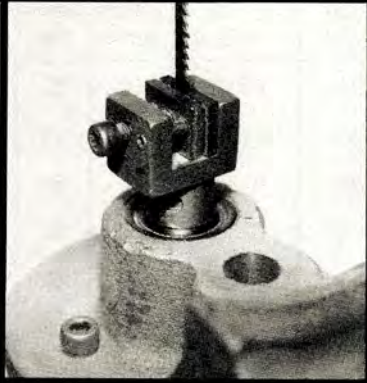
Variable Speed

Variable speed is ideally suited for cutting all materials. Adjustment accomplished through conveniently located hand-wheel. (Customer's option)



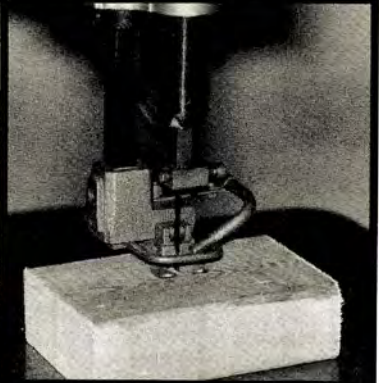
Blade Guide

This hardened steel guide & roller assembly maintains precise alignment and blade support. Note heavy duty spring hold-down. Tilts for support on all angle cuts.



Lower Chuck

Another Powermatic first. This steel chuck guarantees positive grip for all blades.



Depth Of Cut

Cuts up to 1 1/4" (44.45 mm) thick. Will rip to center of 48" (1219.20 mm) panel. Just remove cast iron arm for saber work on large panel.

Model 95 Scroll Saw

FEATURES

FRAME: Rugged two-piece cast iron base and over-arm, precision machined, with over-arm removable for use as saber saw.

GUARD: Pressed steel belt guard completely houses drive belt.

DRIVES AVAILABLE: Variable Speed for infinitely variable speeds or 4-speed drive.

TABLE: Massive 14" x 15" (355.60 mm x 381.00 mm) table of finest cross ribbed grey iron castings, machine-ground to precision tolerance. Table tilts 45 degrees right, 15 degrees left for normal cutting and turns 90 degrees for ripping and saber blade use.

BLOWER: Standard equipped with chip blower which directs a steady

stream of air to cutting area, keeping work free of sawdust.

CRANKSHAFT: Ball bearing crankshaft is automatically lubricated by splash system in oil tight crankcase.

TRUNNION: A heavy duty double trunnion provides rigidity and positive lock in all positions.

HEAD: A special cast aluminum head assures long life and trouble free operation.

SPRING: A heavy tension spring over the saw blade is adjustable to blade type and type of cut.

STANDARD EQUIPMENT

Model 95 Scroll saw: (variable or 4-speed), Pulleys, belt, belt guard, chip-blower, 4-way table, saber blade, 3 scroll saw blades and set of wrenches.

Less: Motor, Controls and Stand.

BASIC MACHINES

1950070 Model 95-24" Scroll Saw with standard equipment for variable speeds. Less: Motor, Controls and Stand.

1950030 Model 95-24" Scroll Saw with standard equipment for four speeds. Less: Motor, Controls and Stand.

PRICE IS RIGHT MACHINES

1950100 Model 95-24" four speed scroll saw complete with all standard equipment, plus 1/3 HP 1 Phase, 115 volt motor and manual switch.

1950120 Model 95-24" variable speed scroll saw complete with all standard equipment, plus 1/3 HP 3 Phase, 230 volt motor and manual switch.

1950110 Model 95-24" variable speed scroll saw complete with all standard equipment, plus 1/3 HP 1 Phase, 115 volt motor and manual switch.

1950130 Model 95-24" four speed scroll saw complete with all standard equipment, plus 1/3 HP 3 Phase, 230 volt motor and manual switch.

MOTORS

1 PHASE

6470203 1/3 HP (.249 kw), 60Hz, 1800 RPM (188.5 rad/s), 115/230v, TEFC, 56 frame.

3 PHASE

6470208 1/3 HP (.249 kw), 60Kz, 1800 RPM (188.5 rad/s), 200v, TEFC, 56 Frame

6470215 1/3 HP (.249 kw), 60Hz, 1800 RPM (188.5 rad/s), 230/460v, TEFC, 56 Frame

CONTROLS

1 PHASE

2398214 Switch, 115/230v.

2398378 Magnetic Controls, 115/230v.

2398490 Magnetic Controls, 115/230v, w/24v transformer.

3 PHASE

2398213 Switch, 200/230/460/575v.

2398215 Magnetic Controls, 200/230/460/575v, w/24v transformer.

2398230 JIC Controls, 200/230/460/575v. (For wall mount only).

2398484 Magnetic Controls, 200/230/460/575v, w/24v transformer.

OPTIONAL ACCESSORIES

2085002 Lower Blade Chuck Assembly. Wt. 1 lb. (.45 kg)

2085003 Upper Blade Chuck Assembly. Wt. 1 lb. (.45 kg)

2404001 Variable Speed Assembly Kit. Wt. 3 lbs. (1.36 kg)

2640007 Upper Blade Tension Assembly. Wt. 1 lb. (.45 kg)

2759014 Stand. Wt. 41 lbs. (18.6 kg)

3250050 Belt Guard. Wt. 3 lbs. (1.36 kg)

6077011 V Belt, Variable Drive, 4L350. Wt. 8 oz. (.23 kg)

6077013 V Belt, 4 speed drive, 4L370. Wt. 8 oz. (.23 kg)

6448005 Work Lamp. Wt. 10 oz. (.28 kg)

6080061 Fret saw blade for plastics and wood—14 T

6080057 Jigsaw blade for hard and soft wood—20 T

6080070 Jigsaw blade for hard and soft wood—10 T

6080064 Jewelers saw blade for nonferrous materials—30 T

SPECIFICATIONS

Capacity, Arm to saw 24" (609.60 mm)

Thickness of cut 1¾" (44.45 mm)

Table size 14" x 15" (355.60 mm x 381.00 mm)

Table tilt 45 degrees R., 15 degrees L., 45 degrees front

Table from floor 42¼" (1073.15 mm)

Overall Height 54½" (1384.30 mm)

Width 14" (355.60 mm)

Length 36" (914.40 mm)

Var. Speeds 807 to 1653 CSM

Step Speeds 610, 910, 1255, 1725, CSM

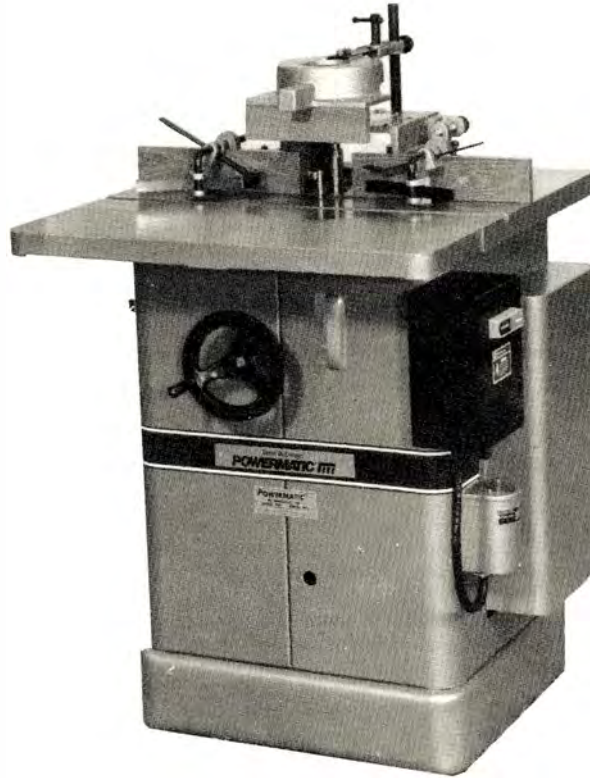
Weight Crated, with stand and motor 220 lbs. (99.8 kg)

Weight Crated, less stand with motor 179 lbs. (81.2 kg)

Model 26 Shaper

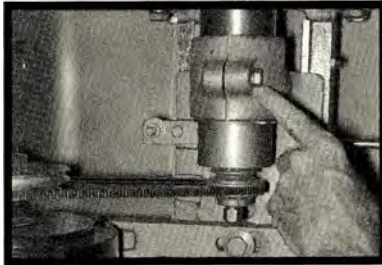
All machines performance tested before shipment.

Designed to produce high quality work for furniture, cabinet, reproduction and sash and door plants, the Model 26 Spindle Shaper is a rugged, dependable, multi-purpose tool constructed to accommodate three interchangeable spindles and a 3/4" and 1" (25.40 mm) solid spindle for extra heavy duty work. The shaper spindle features a 3" (76.30 mm) vertical adjustment controlled by a convenient front mounted hand wheel. A large 28" x 29 1/2" (711.20 mm x 749.30 mm) precision ground, cast iron table is mounted on an enclosed steel stand.



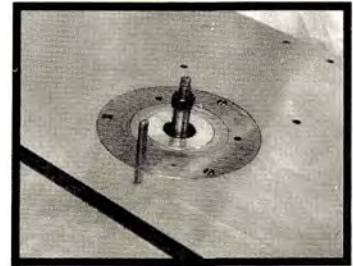
Spindle Removal

Interchangeable spindles are quickly and easily removed by loosening draw-bolt nut. Quills are removed or interchanged by loosening one locking bolt. Set up time is reduced to a minimum.



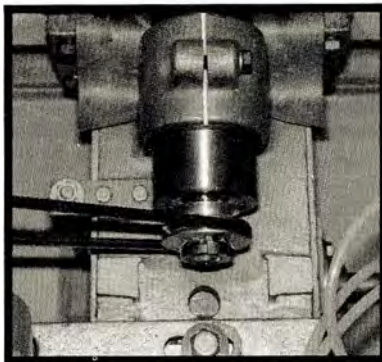
Starting Pin

A standard accessory, starting pins facilitate easy initial cuts on free-hand shaping.



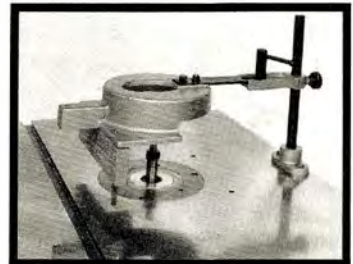
Quill Assembly

Special high performance high-speed ball bearings assure long life and spindle accuracy. Extra quill length provides wider bearing spacing and greater spindle rigidity.



Safety Ring Guard

Standard ring guard covers top of spindle and cutter for free-hand shaper safety.



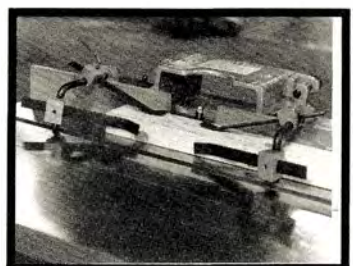
Precision Fence

Fully adjustable or removable for any and all shaping operations, this precision machined fence assembly insures rigidity, accuracy and ease of adjustment.



Holddown Guides

Standard steel work hold-down guides assist in stock control.



Performance Proven . . . Utmost Flexibility, Precision and Simplified Operation.

Model 26 Shaper

FEATURES

TABLE: 28" x 29½" (711.20 mm x 749.30 mm) (including one extension wing) is made from grey iron castings, rib reinforced for maximum rigidity. Removable 3", 4 3/16" & 7" (76.20 mm, 106.36 mm & 177.80 mm) inserts make possible the use of any cutter the safe way, undercutting. This feature is especially desirable for Raised Panel Cuts.

BASE: Table is supported by a heavy gauge steel cabinet with clean-out door.

FENCE: The cast iron fence is precision machined and faced with hardwood blocks. Fence may be easily adjusted to any position on table by

locking handles, or removed for free-hand shaping. The fences are mounted on a box-type center support that serves as a shavings exhaust chute.

SPINDLE: Mounted in heavy duty precision ball bearings. Spindles available include interchangeable ½" (12.70 mm) ½" (12.70 mm) Stub and ¾" (19.05 mm) and 1" (19.05 & 25.40 mm) extra long solid.

SPINDLE SPEED: The spindle is driven by a two-speed "V" pulley, for spindle speeds of 7000 & 10,000 RPM (733 rad/s & 1047 rad/s), the most recommended speeds for both large and small cutters.

STANDARD EQUIPMENT

Fence, dust chute, ½" (12.70 mm) and ¾" (19.05 mm) interchangeable spindles, 3 table inserts, wrenches, motor cover, arbor pulley and belt,

safety ring guard and work hold-down guides. Less: Motor and Controls. Includes 8" table extension.

BASIC MACHINES

1260010 Model 26 Spindle Shaper, with all standard equipment. Less: Motor and Controls.

1260030 Model 26 Spindle Shaper, with all standard equipment except with 1" (25.40 mm) solid spindle in lieu of ½"-& ¾" interchangeable spindles. Less: Motor and Controls.

1260040 Model 26 Spindle Shaper, with all standard equipment except with ¾" (19.05 mm) solid spindle in lieu of ½" & ¾" interchangeable spindles. Less: Motor and Controls.

PRICE IS RIGHT MACHINES

1260050 Model 26 spindle shaper with all standard equipment except 1" solid spindle, 5 HP, 3 Phase, 230 volt motor, magnetic controls and reversing switch.

1260100 Model 26 spindle shaper with all standard equipment, ½" and ¾" interchangeable spindles, 3 HP, 1 Phase, 230 volt motor, magnetic controls and reversing switch.

1260110 Model 26 spindle shaper with all standard equipment except 1" solid spindle, 3 HP, 1 Phase, 230 volt motor, magnetic controls and reversing switch.

1260111 Same as 1260110 except 5 HP, 1 Phase, 230 volt.

POWERSTARS

1260105 Model 26 spindle shaper with all standard equipment, ¾" interchangeable spindle only, less 8" extension. Includes 2 HP, 1 Phase, 230 volt motor and manual switch.

1260106 Model 26 spindle shaper with all standard equipment, ¾" interchangeable spindle only, less 8" extension. Includes 2 HP, 3 Phase, 230 volt motor and manual switch.

MOTORS

1 PHASE

6471707 2 HP (1.492 kw), 60Hz, 3600 RPM (376.99 rad/s), 115/230v, TEFC, 145T frame.

6472013 3 HP (2.238 kw), 60Hz, 3600 RPM (376.99 rad/s), 230 volt, 145T frame.

3 PHASE

6471706 2 HP (1.492 kw), 60Hz, 3600 RPM (376.99 rad/s), 230/460v, TEFC, 145T frame.

6471717 2 HP (1.492 kw), 60Hz, 3600 RPM (376.99 rad/s), 200v, TEFC, 145T frame.

6472319 5 HP (3.730 kw), 60Hz, 3600 RPM (376.99 rad/s), 230/460v, TEFC, 184T frame.

CONTROLS

1 PHASE

2398044 Magnetic Controls, 115/230v.

2398155 Switch, 115/230v.

2398202 Reverse Switch, 115/230v.

2398485 Magnetic Controls, 115/230v, w/24v transformer.

3 PHASE

2398051 Magnetic Controls, 200/230/460/575v.

2398154 Switch, 200/230/460/575v.

2398230 JIC Controls, 200/230/460/575v.

2398249 Reverse Switch, 200/230/460/575v.

2398480 Magnetic Controls, 200/230/460/575v, w/24v transformer.

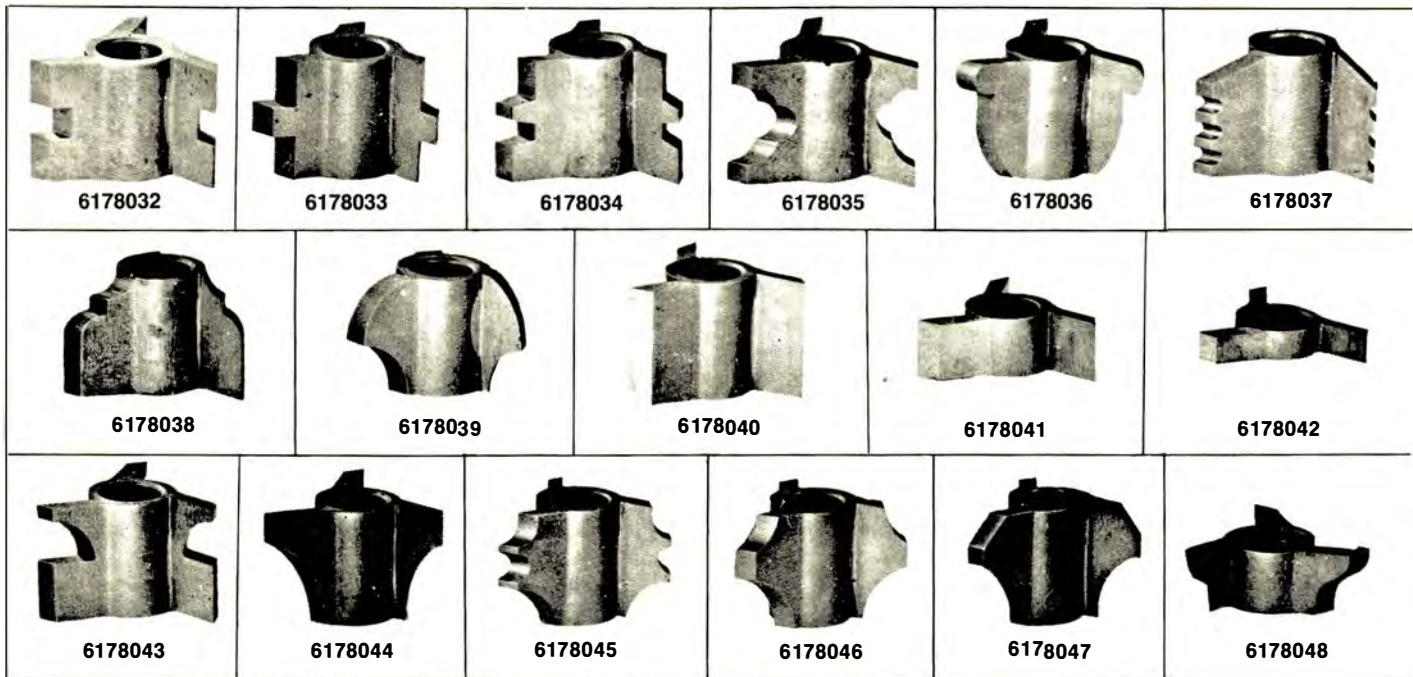
9100003 Conduit in lieu of Standard Wiring.

OPTIONAL ACCESSORIES

- 2024013** 1/2" (12.70 mm) Stub Spindle. Wt. 4 lbs. (1.8 kg)
- 2250155** Safety Ring Guard. Wt. 8 lbs. (3.6 kg) (Std. Equip.)
- 2253016** Work Hold-down Guides. Wt. 5 lbs. (2.3 kg) (Std. Equip.)
- 2471010** Miter Gauge. Wt. 5 lbs. (1.8 kg)
- 2749040** 3/4" (19.05 mm) Solid Spindle and Quill Assembly. 3/4" under nut. Wt. 8 lbs. (3.6 kg)
- 2749038** 1" (25.40 mm) Solid Spindle and Quill Assembly. 4/8" (123.82 mm) under nut. Wt. 12 lbs. (5.4 kg)
- 2749003** 3/4" (19.05 mm) Interchangeable Spindle. 3" (76.20 mm) under nut. Wt. 1 lb. (.45 kg)
- 2749004** 1/2" (12.70 mm) Interchangeable Spindle. 2 1/4" (57.15 mm) under nut. Wt. 8 oz. (.23 kg)
- 3186008** 8" x 28" (203.2 mm x 711.20 mm). Table Extension for use without fences. Wt. 28 lbs. (12.7 kg)
- 3585014** Starting Pins. Wt. 6 oz. (.17 kg)

SPECIFICATIONS

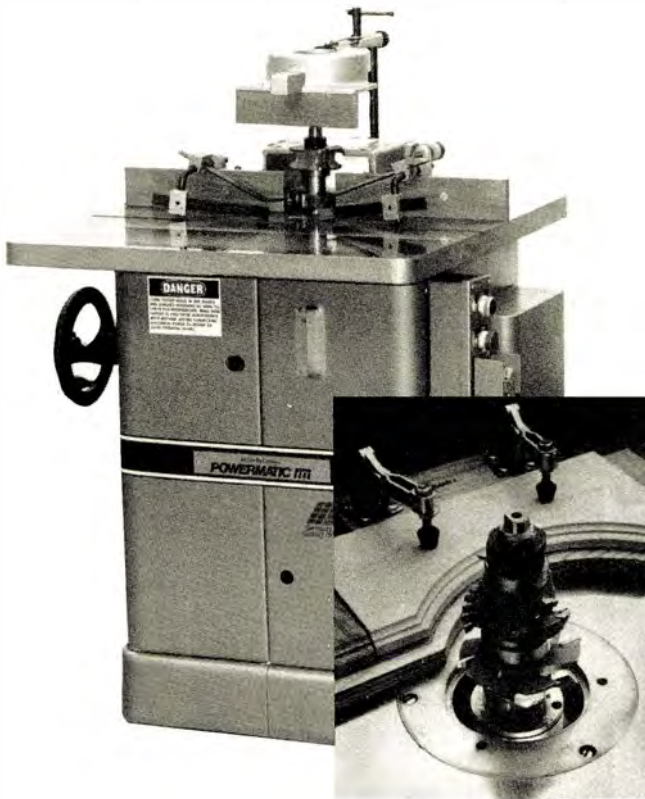
Table size	28" x 29 1/2" (711.20 mm x 749.30 mm)	1/2" (12.70 mm) (under nut)	2 1/4" (57.15 mm)
Table extension.....	8" (203.20 mm)	Spindle travel	3" (76.20 mm)
Table height	34" (863.60 mm)	Spindle speeds	7,000 RPM & 10,000 RPM (733 rad/s & 1047 rad/s)
Spindle opening diameters	5 1/2" (139.70 mm), 4" (101.60 mm) 2 3/4" (69.85 mm) and 1 3/8" (34.92 mm)	Largest table opening	7" (177.80 mm)
Other spindles available	3/16" (7.94 mm) and 1/2" (12.70 mm)	Fence size (each side).....	3 3/4" x 12 3/8" (95.25 mm x 314.22 mm)
Stub spindle, interchangeable type		Weight, domestic crated, with 2 HP (1.492 kw) motor.....	485 lbs. (218.2 kg)
1" (25.40 mm) (under nut solid)	4 7/8" (123.82 mm)	Weight export boxed with motor (32.2 cu. ft.)	550 lbs. (249.4 kg)
3/4" (19.05 mm) (under nut)	3" (76.20 mm)		



CUTTER LISTING 1/2" BORE ONLY

- | | | |
|--|---|--|
| 6178031 Shaping Cutter (Set 11 Pcs.) (6178032 thru 6178042) | 6178037 Beading Cutter | 6178043 Door Lip |
| 6178032 1/4" (6.35 mm) Tongue Cutter | 6178038 Table Edge Cutter | 6178044 Moulding |
| 6178033 1/4" (6.35 mm) Groove Cutter | 6178039 Moulding Cutter | 6178045 Moulding |
| 6178034 Glue Joint Cutter | 6178040 1" (25.40 mm) Straight Face Cutter | 6178046 Radius Edging |
| 6178035 Screen Mould Cutter | 6178041 1/2" (12.70 mm) Straight Face Cutter | 6178047 Moulding |
| 6178036 Moulding Cutter | 6178042 1/4" (6.35 mm) Straight Face Cutter | 6178048 Sash and Door |
| | | 6178049 Set 1/2", Bore 1/4" wide depth collars, 7/8", 15/16", 1", 1 1/16", 1 1/4", 1 1/8" |

Model 26PS Powerstack Shaper



Features

Performance in a class by itself. The Model 26PS Powerstack shaper is the latest innovation in manual shaping. It combines a two position spindle with the Extra HP required for heavy duty shaping. The Powerstack spindle allows for the use of rough to finish or two pattern cutters in one set up.

The Powerstack shaper will easily facilitate work being performed with the shaper fence or templates. Featuring 3 HP for single phase, 5 HP for three phase, and a time tested and proven spindle design, this new shaper is designed for convenience and increased production.

STANDARD EQUIPMENT

Model 26 PS shaper with 1" Powerstack spindle and quill assembly, fence, dust chute, 3 table inserts, wrenches, motor cover, arbor pulley,

motor pulley, and belt, motor (3 HP or 5 HP) safety ring guard and work holddown guides.

BASIC MACHINES

1263010 Model 26PS Shaper with Powerstack 1" solid spindle, all standard equipment, 5 HP, 3 Phase motor and magnetic controls. 230 volt only please.

1263050 Model 26PS Shaper with Powerstack 1" solid spindle, all standard equipment, 3 HP, 1 Phase motor and magnetic controls. 230 volt only please.

*A solenoid activated air cylinder quickly positions spindle to preset positions and locks them in place for production runs.

OPTIONAL ACCESSORIES

2250155 Safety Ring Guard. Wt. 8 lbs. (3.6 kg) (Std. Equip.)

2253016 Work Hold-down Guides. Wt. 5 lbs. (2.3 kg) (Std. Equip.)

2471010 Miter Gauge. Wt. 5 lbs. (1.8 kg)

3186008 8" x 28" (203.2 mm x 711.20 mm). Table Extension for use without fences. Wt. 28 lbs. (12.7 kg)

3585014 Starting Pins. Wt. 6 oz. (.17 kg)

SPECIFICATIONS

Table size	28" x 29½" (711.20 mm x 749.30 mm)	Spindle Speeds	7,000 RPM 10,000 RPM (733 rad/s & 1047 rad/s)
Table extensions	8" (203.20 mm)	Largest Table Opening	7" (177.80 mm)
Table Height	34" (863.60 mm)	Fence Size (Each Side)	3¾" x 12¾" (95.25 mm x 314.22 mm)
Spindle Openings	5½", 4", 2¾", and 1¾"	Horsepower	(Single Phase-3), (Three Phase-5)
Spindle size	1" (25.40 mm)	Weight, Crated	485 lbs.
Spindle Capacity Under Nut	4⅞" (123.82 mm)	Weight, Export Boxed	650 lbs.
Spindle Travel	1¼"-2" vertical (31.75-50.8 mm)		

Model 100 Planer

All machines performance tested before shipment.

Smaller shops everywhere applaud the features of this mighty mite of the Powermatic planer line. Though small in size, cabinet, school, pattern and light-duty millwork shops have found the Model 100 completely adequate for the most precise requirements.

Incorporating many famous features of the larger Powermatic planers, this low-cost model is providing its dependable superior performance year-in and year-out in every type of shop.

Smoother Surfacing Saves Finishing Time.

The unique chipbreaker construction, adjustable pressure bar and synchronized operation of cutterhead and feed rollers assure smooth surfacing for a wide variety of stocks at maximum speed. The extra size 12" x 24" (304.80 mm x 609.60 mm) one-piece bed assures greater infeed and out-feed support of long stock for more accurate surfacing.

See how fast the Model 100 will start paying for itself in your shop with increased production.



Built For Heavy Workloads

Top rollers and pressure bar adjustments are fully visible and can be adjusted without removing guards. Positive clutch to start or stop feed rolls.



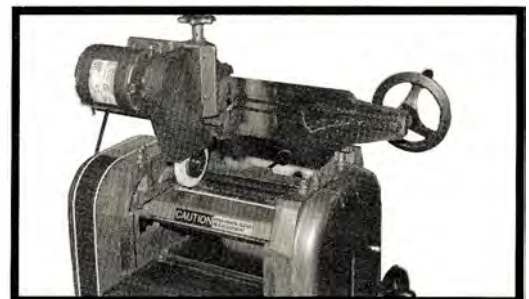
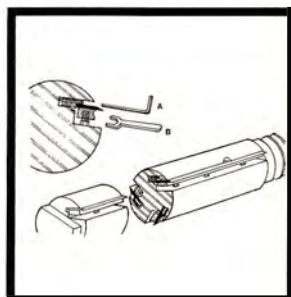
Convenient Bed-Adjustment Hand-Wheel

Acme-thread screws which operate in ball thrust bearings elevate bed. Easy-to-read thickness gauge. One-piece cast iron frame insures long term durability.



Jackscrews Speed Accurate Knife Setting

A standard feature. Set and secure all cutterhead knives quickly and accurately. Adjust knife support jackscrews (A) with Allen wrench and pressure-lock knife safety shim (B) with end wrench.



An optional knife grinding attachment is available for this popular planer. The Model 100 planer is pre-drilled for accepting the grinding attachment, making the addition or removal of this unit possible in a matter of minutes.

Model 100 Planer

FEATURES

FRAME: Precision machined from extra heavy one-piece cast iron. All bearing housings are line-bored for perfect bearing alignment.

BED: 12" x 24" (304.80 mm x 609.60 mm). Built of heavy rib-reinforced cast iron, precision ground to satin smoothness for smooth finishing.

Convenient hand-wheel adjusts bed through full 5" (127.00 mm) range, with 1/8" (3.18 mm) movement for each complete turn. Adjacent front-mounted gauge is calibrated for quick, easy reading.

CUTTERHEAD: Safety-type, milled from medium carbon steel and fitted with 3 high-speed knives. Mounted in sealed ball bearings, the entire cutterhead unit may be lifted free by removing feed drive pulley and two locking screws from flange mounting.

Operating speed is 4340 SFM (1322 mm/s), making 16,000 cuts-per-minute (72 knife cuts per inch (2.835 knife cuts per mm)). See Knife Adjustment feature on previous page.

FEED ROLLS: Corrugated infeed roller and smooth outfeed roller are 2" (50.80 mm) in diameter and driven with extra heavy pitch gears. 1" (25.40 mm) diameter feed roller journals are mounted in 3" (76.20 mm) shaft bearings for longer bearing life. Feed roll pressure springs are top

mounted over roller and fully visible for quick adjustment.

PRESSURE BAR: Features extra wide foot and is mounted extremely close to cutterhead for accurate out-feed control. Easy to adjust from either end.

CHIPBREAKER: Mounted adjacent to cutting circle for top quality finishing. Accurately machined foot is extra wide for longer wear.

POWER FEED CONTROL: Handy clutch lever to start and stop feed instantly without stopping power. 18 feet-per-minute feed rate at 5300 RPM cutterhead speed.

STOCK CAPACITY: Surfaces stock up to 12" (304.80 mm) wide and from 1/16" (1.59 mm) to 5" (127.00 mm) thick. Stock length can be as short as 7 1/2" (190.50 mm).

POWER: 2 HP (1.492 kw) motor is adequate for light and medium work; 3 HP (2.238 kw) motor is recommended for heavy-duty operation. Motor is furnished with 2-groove drive pulley.

FEED DRIVE: Positive action V-belt drive assures smooth, trouble-free stock feed. Feed problems associated with gear transmissions are eliminated.

STANDARD EQUIPMENT

Model 100—12" Planer: Set of 3 high speed M-2 tool steel knives, sealed ball bearing cutterhead, knife setting gauge, jack screws, cutterhead pulley,

knife wrench, motor pulley, floor stand, belts and swivel type motor base. Less: Motor and Controls.

BASIC MACHINES

1000016 Model 100 Planer complete with all standard equipment. Less: Motor and Controls.

PRICE IS RIGHT

1000092 Model 100 Planer with all standard equipment, plus 3 HP 1 Phase 230v motor and magnetic controls.

1000093 Model 100 Planer with all standard equipment, plus 3 HP 3 Phase 230v motor and magnetic controls.

POWERSTARS

1000098 Model 100 Planer with all standard equipment, plus 2 HP 3 Phase, 230 volt motor and manual switch.

1000099 Model 100 Planer with all standard equipment, plus 2 HP 1 Phase, 230 volt motor and manual switch.

MOTORS

1 PHASE

6471707 2 HP (1.492 kw), 60Hz, 3600 RPM (376.99 rad/s), 230v, TEFC, 145T frame.

6472013 3 HP (2.238 kw), 60Hz, 3600 RPM (376.99 rad/s), 230v, TEFC, 145T frame.

3 PHASE

6471706 2 HP (1.492 kw), 60Hz, 3600 RPM (376.99 rad/s), 230/460v, TEFC, 145T frame.

6472026 3 HP (2.238 kw), 60Hz, 3600 RPM (376.99 rad/s), 230/460v, TEFC, 182T frame.

6472027 3 HP (2.238 kw), 60Hz, 3600 RPM (376.99 rad/s), 200v, TEFC, 182T frame.

CONTROLS

1 PHASE

2398383 Switch, 115/230v

2398385 Magnetic Controls, 115/230v

2398486 Magnetic Controls, 115/230v, w/24v transformer

3 PHASE

2398204 Switch, 200/230/460/575v

2398185 Magnetic Controls, 200/230/460/575v

2398230 JIC Controls, 200/230/460/575v

2398481 Magnetic Controls, 200/230/460/575v, w/24v transformer

9100003 Wired in Flexible Metal Conduit in lieu of Standard Wiring
(3 HP motors require minimum of magnetic control.)

OPTIONAL ACCESSORIES

2230002 Bed and Feed Roll Gauge. Wt. 1 1/2 lbs. (.68 kg)

2230007 Cutterhead Gauge. Wt. 1 lb. (.45 kg)

***2258010** Grinding Attachment, with indexing mechanism. Wt. 90 lbs. (40.8 kg)

2292018 Shaving Hood. Wt. 15 lbs. (6.8 kg)

6427003 Set of 3 High Speed, heat treated M-2 Tool Steel Knives. Wt. 1 lb. (.45 kg).

*NOT for use on model 100 Planers made prior to 1972.

SPECIFICATIONS

Bed 12" x 24" (304.80 mm x 609.60 mm)

Feed Roll Diameter (infeed and outfeed) 2" (50.80 mm)

Table Roll Diameter 1 1/2" (38.10 mm)

Maximum depth of cut 1/4" (6.35 mm)

Stock thickness range 1/16" (1.59 mm) to 5" (127.00 mm)

Widest Stock 12" (304.80 mm)

Shortest Planable stock (Not Butted) 7 1/2" (190.50 mm)

Cutterhead (3-knife) cutting arc 3 1/8" (79.38 mm)

Knife-cuts-per-inch 72 cuts per inch (2.835 inch per mm)

Cutterhead speed 5300 RPM (555.01 rad/s)

Knife size 3/8" x 7/8" x 12 1/4" (3.18 mm x 22.22 mm x 311.15 mm)

Rate of feed 18 FPM (91.44 mm/s)

Power recommended for light and medium work 2 HP (1.492 kw)

Power recommended for heavy work 3 HP (2.238 kw)

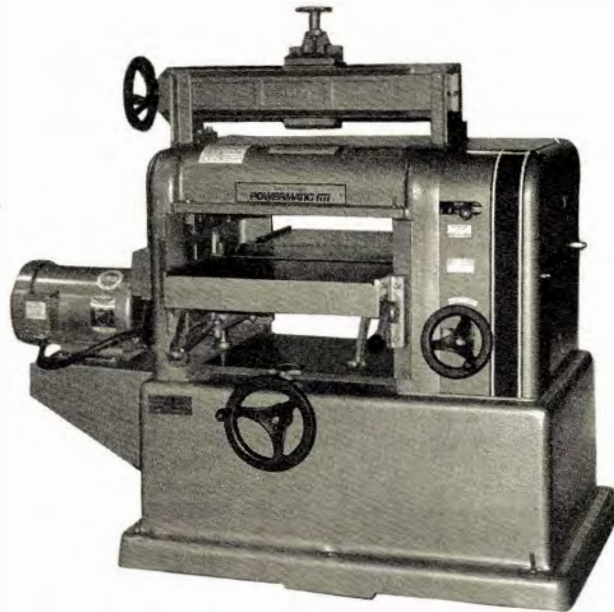
Weight, net, with stand 378 lbs. (171.5 kg)

Weight, domestic crated with stand 410 lbs. (186.0 kg)

Model 180 Planer

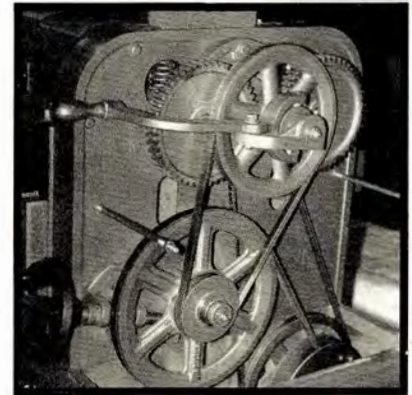
**Planes up to 1/2"*—
Handles rough-sawn
stock.**

The Model 180 Planer is designed for serious stock surfacing. Its rugged cast iron construction and 18" x 6" (457.20 mm x 152.40 mm) capacity made it an ideal planer for a wide variety of planing requirements. The model 180 is extremely popular for industrial use and is unexcelled for school application.



All machines performance tested before shipment.

Belted Feed Drive Assembly is simple and trouble free. A combination of variable speed pulleys, V-belts, and heavy pitch gears provide smooth dependable feed rates without use of expensive and troublesome transmissions and gear boxes.



Feed Speed Adjustable from 15 to 37 FPM (76.20 mm/s to 187.96 mm/s) with variable speed pulley. Sets quickly for every stock or finish requirement.

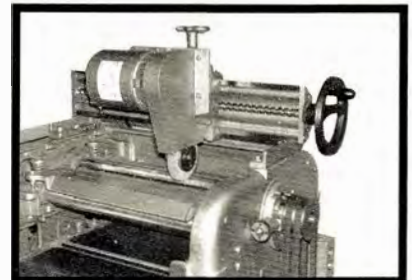


"Quick-Set" feature offers lever controlled table roll height adjustment from 0" to .040" (1.02 mm) at a touch. Quick-Set reduces friction and constant under-the-table roll adjustments.



*** 1/2" depth of cut
with solid infeed
roll.
1/4" depth of cut
max with sec-
tional infeed roll.**

Knife Grinding Attachment (optional) mounts permanently to the main frame. Ideally suited for precision sharpening of knives without removal from head. Heavy 5/4" (133.35 mm) wide guide bar prevents chatter of the grinding head.



Unexcelled Performances for Every Surfacing Job

Model 180 Planer

FEATURES

FRAME: Exceptionally heavy cast iron frame with one-piece cast iron base, 32" x 41" (812.80 mm x 1041.40 mm). Frame has extra wide side panels with gibs to support planer bed.

BED: Heavy substantially ribbed, accurately machined. Table size, 18" x 32" (457.20 mm x 812.80 mm). Bed raises and lowers on large acme-thread screws mounted on enclosed thrust bearings.

CUTTERHEAD: 3 knife, safety type, with 4" (101.60 mm) cutting circle, fitted with 3 high speed, heat treated Tool Steel knives. Cutterhead has milled slots, is precision balanced and is mounted in heavy-duty ball bearings.

FEED ROLLS: Upper feed rolls 2³/₁₆" (55.56 mm) diameter, milled from solid steel. Have 5/8" (15.88 mm) yield. Driven by V-belts from cutterhead spindle to oversize machined gears. Sectional infeed roll optional.

SOLID PRESSURE BAR: Mounted concentric to cutterhead and fitted close to knife cutting circle. Bar has extra wide foot for long wear. Can be

adjusted on both ends for accurate alignment.

CHIPBREAKER: The chipbreaker swings concentric to the cutterhead and fits very close to the knife cutting circle. Sectional chipbreaker optional.

RATE OF SPEED ADJUSTMENT: A complete range from 15 to 37 feet per minute (76.20 mm x 187.96 mm) is offered with the use of variable speed pulley.

DRIVES: Cutterhead is driven with V-belts from motor mounted on the side of machine. Cutterhead speed, 4800 RPM (9502.65 rad/s).

KNIFE GRINDING ATTACHMENT: The Model 180 knife grinding attachment is mounted on an extra heavy 5¹/₄" (133.35 mm) bar, precision ground for accuracy. The grinder bar is mounted in a permanent position on the machine and grinder is easily removed from bar when not in use. Jointing is no longer necessary with the new primary/secondary grind system.

STANDARD EQUIPMENT

Model 180—18" Planer: 3 High speed, heat treated Tool Steel knives, sealed Ball Bearing Cutterhead. Knife setting Gauge, Jack Screws, Cut-

terhead Pulley, Motor Mount Base, Motor Pulley, Belts, knife Wrench and Quick-set Table Roll Adjustment. Less: Motor and Controls.

BASIC MACHINES

***1800170** Model 180, BELTED DRIVE 18" x 6" (457.20 mm x 152.40 mm). Single Surface Planer with all standard equipment and sectional infeed roll and chipbreaker. Less: Motor and Controls.

1800050 Same as 1800170 except with solid infeed roll and chipbreaker.

*Note: 1/4" max depth of cut when equipped with sectional infeed roll and chipbreaker.

PRICE IS RIGHT MACHINE

***1800200** Model 180 Planer complete with all standard equipment, plus, 7¹/₂ HP 3 Phase, 230/460 volt motor, magnetic controls, sectional infeed roll and chipbreaker and Knife Grinding attachment. 230 Volts Only.

***1800205** Model 180 Planer complete with all standard equipment, plus 5 HP 1 Phase, 230 volt motor, magnetic controls, sectional infeed roll and chipbreaker and knife grinding attachment.

POWERSTARS

1800210 Model 180 Planer complete with all standard equipment, plus 7¹/₂ HP 3 Phase, 230/460 volt motor, magnetic controls, with solid infeed roll. 230 Volts Only.

1800220 Model 180 Planer complete with all standard equipment, plus 5 HP 1 Phase, 230 volt motor, magnetic controls, with solid infeed roll. 230 Volts Only.

MOTORS

1 PHASE

6472013 3 HP (2.238 kw), 60Hz, 3600 RPM (376.99 rad/s), 230v, TEFC, 145T frame.

6472328 5 HP (3.730 kw), 60Hz, 3600 RPM (376.99 rad/s), 230v, TEFC, 184T frame.

3 PHASE

6472026 3 HP (2.238 kw), 60Hz, 3600 RPM (376.99 rad/s), 230/460v, TEFC, 182T frame.

6472027 3 HP (2.238 kw), 60Hz, 3600 RPM (376.99 rad/s), 200v, TEFC, 182T frame.

6472319 5 HP (3.730 kw), 60Hz, 3600 RPM (376.99 rad/s), 230/460v, TEFC, 184T frame.

6472320 5 HP (3.730 kw), 60Hz, 3600 RPM (376.99 rad/s), 200v, TEFC, 184T frame.

6472507 7¹/₂ HP (5.595 kw), 60Hz, 3600 RPM (376.99 rad/s), 230/460v, TEFC, 213T frame.

6472512 7¹/₂ HP (5.595 kw), 60Hz, 3600 RPM (376.99 rad/s), 200v, TEFC, 213T frame.

CONTROLS

1 PHASE

2398189 Magnetic Controls, 115/230v

***2398494** Magnetic Controls, 115/230v, w/24v transformer

3 PHASE

2398186 Magnetic Controls, 200/230/460/575v

2398230 JIC Controls, 200/230/460/575v. Class 1 only.

***2398498** Magnetic Controls, 200/230/460/575v, w/24v transformer

9100002 Conduit in lieu of standard wiring

*May be specified with 100 volt transformer.

OPTIONAL ACCESSORIES

2230002 Bed and Feed Roll Gauge. Wt. 1 lb. (.45 kg)

2230007 Cutterhead Gauge. Wt. 1 lb. (.45 kg)

2258005 Heavy Duty Knife Grinding Attachment with indexing mechanism. Wt. 90 lbs. (40.8 kg)

3292005 Shaving Hood 6" (152.40 mm) outlet size. Wt. 15 lbs. (6.8 kg)

2393005 Extra set of knives 3 highspeed, heat treated Tool Steel. Wt. 2¹/₂ lbs. (1.1 kg)

2397062 Kit, Conversion, Sectional Chipbreaker and Infeed Roller. (Retro-Fit)

SPECIFICATIONS

Bed 18" x 32" (457.20 mm x 812.80 mm)

Cutterhead (3-knife) cutting arc 3⁷/₈" (98.42 mm)

Recommended cutterhead speed

Belted drive 4800 RPM (502.65 rad/s)

Knives, 3 High speed

steel 18" x 1¹/₄" x 5⁵/₃₂" (457.20 mm x 31.75 mm x 3.97 mm)

Feed rollers 2³/₁₆" (55.56 mm)

Bed Rollers 2" (50.80 mm)

Variable speed feed range 15 FPM to 37 FPM

(76.20 mm/s to 187.96 mm/s)

Knife cuts per minute, Belt drive 14,400

Maximum depth of cut with solid infeed roll 1/2" (12.70 mm)

Stock thickness range 1/8" (3.18 mm) to 6" (152.40 mm)

Widest planable stock 18" (457.20 mm)

Shortest planable stock, butted 4" (101.60 mm)

Shortest planable stock, not butted 13" (330.20 mm)

Motors recommended for:

Light and medium work 3 HP (2.238 kw) to 5 HP (3.730 kw)

Heavy duty work 7¹/₂ HP (5.595 kw)

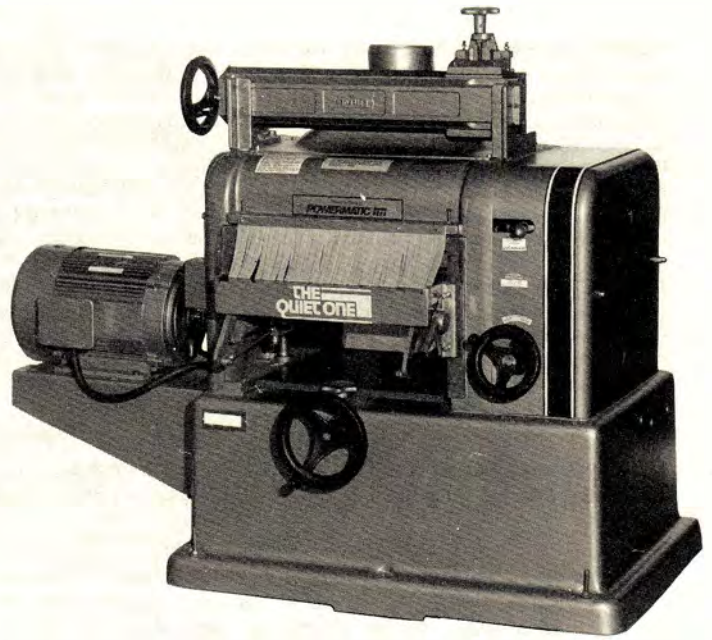
Weight, domestic crated, with motor 1255 lbs. (569.3 kg)

Weight, export crated, with motor (63.9 cu ft) 1500 lbs. (680.4 kg) App.

Model Q180 Planer

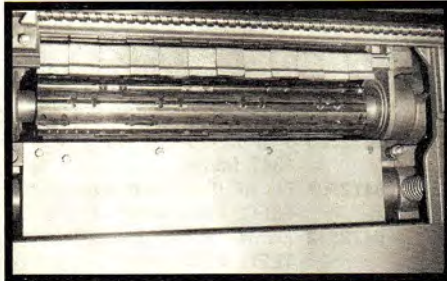
All machines performance tested.

In order to comply with user and Federal Government demands for Planer noise reduction. Powermatic Engineering has done it again. Determined to avoid the complications of sharpening and replacing knives in spiral type cutterheads, this fantastic single surface planer still utilizes the straight knife slot, maintaining simple knife installation and sharpening through use of the regular grinding attachment.

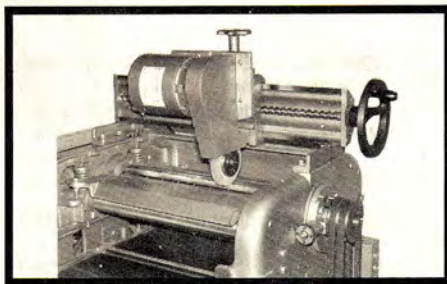


Shown with optional knife grinding attachment and sound curtains and acoustic hood.

The Quiet One—an exclusive feature with Powermatic effectively reduces the noise level of this machine in both idle and operating conditions. Stagger mounted knives provide a quiet cutting action without use of a spiral cutterhead.



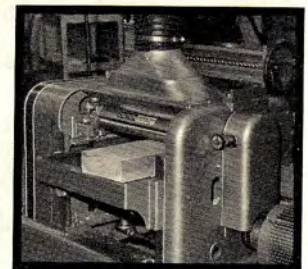
Knife Grinding Attachment (optional) mounts permanently to the main frame. Ideally suited for precision sharpening of knives without removal from head. Heavy 5 1/4" (133.35 mm) wide guide bar prevents chatter of the grinding head. Jointing is no longer necessary with the new primary/secondary grind system.



"Quick-Set" feature offers lever controlled table roll height adjustment from 0" to .040" (1.02 mm) at a touch. Quick-Set eliminates friction and constant under-the-table roll adjustments.



Feed Speed Adjustable from 15 to 37 feet per minute (76.20 mm/s to 187.96 mm/s) with variable speed pulley. Set quickly for every stock or finish requirement.



Belted Feed Drive Assembly is simple and trouble free. A combination of variable speed pulleys, V-belts, and heavy pitch gears provide smooth dependable feed rates without use of expensive and troublesome transmissions and gearboxes.



The Quiet One . . . By Powermatic

Model Q180 Planer

FEATURES

FRAME: Exceptionally heavy cast iron frame with one-piece cast iron base, 32" x 41" (812.80 mm x 1041.40 mm). Frame has extra wide side panels with gibs to support planer bed.

BED: Heavy, substantially ribbed, accurately machined. Table size, 18" x 32" (457.20 mm x 812.80 mm). Bed raises and lowers on large acme-thread screws mounted on enclosed thrust bearings.

CUTTERHEAD: Safety-type, milled from medium carbon steel and fitted with 27 High-Speed steel knife segments, stagger mounted to create a spiral cutting concept. This exclusive design reduces noise during planing operations through more but smaller bites as knives contact material surface. Cutterhead is mounted in sealed bearings requiring no lubrication. New Jack Screws adjust blades down as well as up, thereby holding blade in cutterhead until screw is removed; an added safety feature to help prevent knives from being thrown from cutterhead. New blade

retainers are plug type that the centrifugal force of the turning cutterhead tend to wedge tighter.

FEED ROLLS: Upper feed rolls 2³/₁₆" (55.56 mm) diameter, milled from solid steel. Have 5/8" (15.88 mm) yield. Driven by V-belts from cutterhead spindle to oversize machined gears solid or sectional.

SOLID PRESSURE BARS: Mounted concentric to cutterhead and fitted close to knife cutting circle. Bar has extra wide foot for long wear.

CHIPBREAKER: The chipbreaker swings concentric to the cutterhead and fits very close to the knife cutting circle. Solid or sectional.

RATE OF SPEED ADJUSTMENT: A complete range from 15 to 37 feet per minute (76.20 mm x 187.96 mm) is offered with the use of variable speed pulley.

DRIVES: Cutterhead is driven with V-belts from motor mounted on the side of the machine. Cutterhead speed, 3600 RPM (18.288 m/s).

STANDARD EQUIPMENT

Model Q180 Planer: Complete with 27 Tool Steel Knives, solid infeed roll, sealed ball bearing cutterhead, knife setting gauge, jack screws, cutter-

head and motor pulley, 2 drive belts, Quick-set table roll adjustment, motor base, set of wrenches, belt guard. Less: Motor and Controls.

BASIC MACHINES

1800160 Model Q180 Planer with all standard equipment and solid infeed roll and chipbreaker. Less: Motor and Controls.

***1800180** Model Q180 Planer with all standard equipment and sectional infeed roll and chipbreaker. Less: Motor and Controls.

PRICE IS RIGHT MACHINE

***1800190** Complete with all standard equipment plus, 10 HP 3 Phase 230/460 Motor, magnetic controls, sectional infeed roll and chipbreaker, knife grinding attachment and the extra protection

of sound curtains and accoustic shaving hood. 230 Volts Only Please.

*Note: 1/4" depth of cut max when equipped with sectional infeed roll and chipbreaker.

MOTORS

1 PHASE

6472013 3 HP (2.238 kw), 60Hz, 3600 RPM (376.99 rad/s), 230v, TEFC, 145T frame.

6472328 5 HP (3.730 kw), 60Hz, 3600 RPM (376.99 rad/s), 230v, TEFC, 184T frame.

3 PHASE

6472026 3 HP (2.238 kw), 60Hz, 3600 RPM (376.99 rad/s), 230/460v, TEFC, 182T frame.

6472027 3 HP (2.238 kw), 60Hz, 3600 RPM (376.99 rad/s), 200v, TEFC, 182T frame.

6472319 5 HP (3.730 kw), 60Hz, 3600 RPM (376.99 rad/s), 230/460v, TEFC, 184T frame.

6472320 5 HP (3.730 kw), 60 Hz, 3600 RPM (376.99 rad/s), 200v, TEFC, 184T frame.

6472507 7 1/2 HP (5.595 kw), 60Hz, 3600 RPM (376.99 rad/s), 230/460v, TEFC, 213T frame.

6472512 7 1/2 HP (5.595 kw), 60Hz, 3600 RPM (376.99 rad/s), 200v, TEFC, 213T frame.

6472604 10 HP (7.460 kw), 60Hz, 3600 RPM (376.99 rad/s), 230/460v, TEFC, 213T frame.

CONTROLS

1 PHASE

2398189 Magnetic Controls, 230v

***2398494** Magnetic Controls, 230v, w/24v transformer

3 PHASE

2398186 Magnetic Controls, 220/230/460/575v

2398230 JIC Controls, 200/230/460/575v. Class 1 only.

***2398498** Magnetic Controls, 200/230/460/575v, w/24v transformer

9100002 Wired in flexible metal conduit in lieu of standard wiring.

*May be specified with 110 volt transformer.

OPTIONAL ACCESSORIES

2230002 Bed and Feed Roll Gauge. Wt. 1 lb. (.45 kg)

2230007 Cutterhead Gauge. Wt. 1 lb. (.45 kg)

2258005 Heavy Duty Knife Grinding Attachment with indexing mechanism. Wt. 90 lbs. (40.8 kg). For use with high speed knives. Order Diamond wheel for carbide knives.

2393012 Extra set of Knives (27 high speed, heat treated Tool Steel). Wt. 2 1/2 lbs. (1.13 kg)

2393017 Set of 27 carbide tipped knives

2397041 Shaving Hood and Sound Insulation Kit. 6" Outlet

2397062 Kit, Conversion, Sectional Chipbreaker and Infeed Roller. (Retro-Fit)

9100008 Carbide Knives in lieu of HSS

6900031 Diamond Grinding Wheel for Carbide knives

SPECIFICATIONS

Bed 18" x 32" (457.20 mm x 812.80 mm)

Cutterhead cutting arc 3 7/8" (98.42 mm)

Recommended cutterhead speed

Belted drive 3600 RPM (376.99 rad/s)

Knives, Size 3 1/16" x 1" x 2 1/4" (4.76 mm x 25.40 mm x 57.15 mm)

Feed rollers 2 3/16" (55.56 mm)

Bed rollers 2" (50.80 mm)

Variable speed feed range 15 FPM to 37 FPM

Maximum depth of cut, sectional infeed roll 1/4" (6.35 mm)

Maximum depth of cut, solid infeed roll 1/2" (12.70 mm)

Stock thickness range 1/8" (3.18 mm) to 6" (152.40 mm)

Widest planable stock 18" (457.20 mm)

Shortest planable stock, butted 4" (101.60 mm)

Shortest planable stock, not butted 13" (330.20 mm)

Motors recommended for:

Light and medium work 3 HP (2.238 kw) to 5 HP (3.730 kw)

Heavy duty work 7 1/2 HP (5.595 kw)

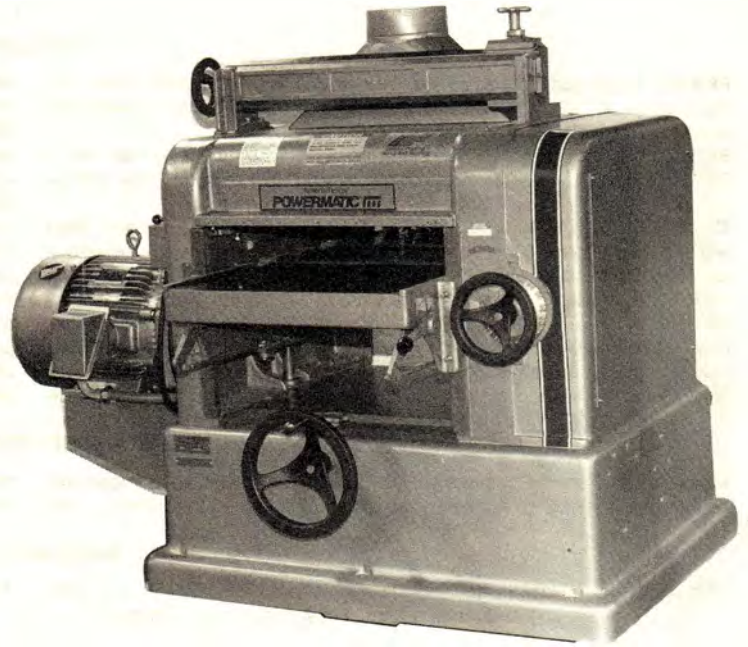
Weight, domestic crated, with motor 1255 lbs. (569.3 kg) App.

Weight, export crated, with motor 63.9 cu ft (1.808 cm³) 1500 lbs. (680.5 kg) App.

Model 225 Planer

Adjust from rough to semi-finished stock in a second!

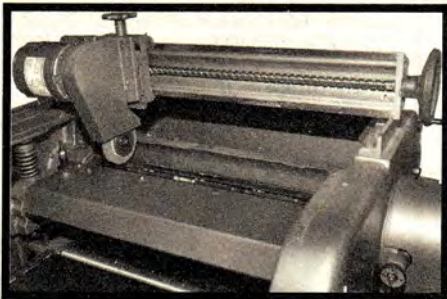
Big, rugged . . . for cabinetry and high production accuracy. Regardless of the stock, from heavy, structural laminates to finished glued panels . . . the Powermatic 24" planer has proven highly dependable for accurate and extremely smooth surfacing qualities. In finer cabinet work, the steady performance of this planer cuts finishing time to the bare minimum. Its big capacity assures a maximum range of flexibility as important for the smaller shop as it is for the larger industrial operation.



"Quick-Set" feature offers lever controlled table roll height adjustment from 0" to .040" (1.02 mm) at a touch. If you are tired of the "push-pull" planing method, Quick-Set eliminates friction and constant under-the-table roll adjustments.



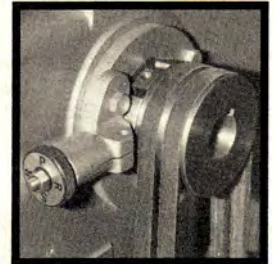
Knife Grinding Attachment (optional) mounts permanently to the main frame. Ideally suited for precision sharpening of knives without removal from head. Heavy 5 1/4" (133.35 mm) wide guide bar prevents chatter. Jointing is no longer necessary with the new primary/secondary grind system.



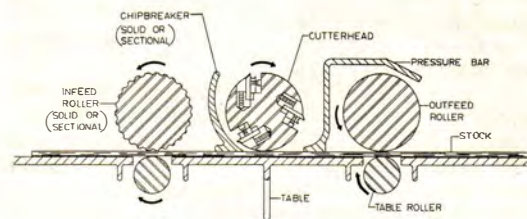
Sectional Infeed Roll corrugated 4" (101.60 mm) diameter. 2" (50.8 mm) cast iron section mounted on milled alloy steel spline shaft. Reversible without damage. Each section has independent yield of 1/4" (6.35 mm). Necessary in running strip stock of varying thickness without dangerous kickback.



Knife Indexer. Quick acting plunger type indexing lock cutterhead securely for grinding knives. Predetermined and preset stops properly position knife.



Variable Feed Control. Hand wheel is easy to reach, easy to set. Adjusts rate of feed from 20 to 100 FPM (101.60 mm/s to 508.00 mm/s).



Model 225 Planer

FEATURES

FRAME: Machined from extra heavy cast iron. Extra wide side panels with gibs offer rigid bed support and accurate alignment. One-piece base.

BED: 24" x 48" (609.60 mm x 1219.20 mm), accurately machined with extra heavy rib reinforcing for alignment and maximum strength. Surface finish ground from a one-piece casting. Bed raises and lowers on large acme-thread screw mounted on enclosed thrust bearings. Convenient handwheel adjusts bed through full 8" (203.20 mm) range.

CUTTERHEAD: Safety-type milled slots, precision ground and balanced, fitted with 4 high-speed heat treated tool steel knives, $5/32"$ x $1\frac{1}{4}"$ x 24" (3.97 mm x 31.75 mm x 609.60 mm). Mounted in over-size, sealed ball bearings. $4\frac{3}{8}"$ (111.12 mm) cutting circle.

INFEED ROLL: Corrugated 4" (101.60 mm) diameter, 2" (50.8 mm) cast iron sections mounted on milled alloy steel spline shaft. Reversible without damage to springs on 3 Phase motors only.

OUTFEED ROLL: Smooth, 4" (101.60 mm) diameter solid type.

TABLE ROLLS: Two adjustable, 4" (101.60 mm) diameter Power Driven rolls.

PRESSURE BAR: Mounted concentric to cutterhead and fitted extremely near knife-cutting circle. The bar has extra wide foot for long wear.

CHIPBREAKER: 2" (50.8 mm) ductile iron, sectional-type with independent $1/4"$ (6.35 mm) yield. Sections are mounted on a steel bar just forward of the knife-cutting circle and swing concentric to the cutterhead.

POWER FEED CONTROL: Variable speed pulley affords complete range of feed from 20 to 100 feet per minute (101.60 mm/s to 508.00 mm/s). Driven with $1\frac{1}{2}$ HP (1.119 kw) totally enclosed motor mounted in machine base.

POWER: 5 to $7\frac{1}{2}$ HP (3.730 kw to 5.6 kw) motor is recommended for light and medium work loads. For extra heavy and high production requirements, the 10 to 15 HP (7.460 kw to 11.190 kw) motor is recommended.

ELECTRICALS: Machine standard equipped with magnetic controls protecting both feed and drive motors. With this safety feature both motors shut off instantly in the event of overload, low voltage or power failure. Motors will not restart until activated by the operator.

STANDARD EQUIPMENT

Model 225—24" Planer: Set of 4 high-speed, heat treated Tool Steel Knives, 4-Knife round cutterhead mounted in sealed ball bearings. Knife setting gauge, Jack Screws, Cutterhead Pulley. Sectional infeed Rolls and

Chipbreaker. Motor Mount Base, $1\frac{1}{2}$ HP Feed Drive Motor, Motor Pulley, Belts and Belt Guard. Less: Cutterhead Motor and Controls.

BASIC MACHINE

1240040 Model 225, BELTED DRIVE 24" x 8" (609.60 mm x 203.20 mm). Single Surface Planer, with all standard equipment and 3 Phase Infeed Motor. Less: Cutterhead Motor and Controls.

PRICE IS RIGHT MACHINE

1240225 Model 225, 24" planer complete with all standard equipment, plus 15 HP, 3 phase, 230/460 volt motor, and magnetic controls. 230 Volts Only Please.

3 PHASE

6472319 5 HP (3.730 kw), 60Hz, 3600 RPM (376.99 rad/s), 230/460v, 184T frame.

6472320 5 HP (3.730 kw), 60Hz, 3600 RPM (376.99 rad/s), 200v, TEFC, 184T frame.

6472507 $7\frac{1}{2}$ HP (5.595 kw), 60Hz, 3600 RPM (376.99 rad/s), 230/460v, TEFC, 213T frame.

6472512 $7\frac{1}{2}$ HP (5.595 kw) 60Hz, 3600 RPM (376.99 rad/s), 200v, 213T frame.

MOTORS

6472604 10 HP (7.460 kw), 60Hz, 3600 RPM (376.99 rad/s), 230/460v, TEFC, 215T frame.

6472606 10 HP (7.460 kw), 60Hz, 3600 RPM (376.99 rad/s), 200V, TEFC, 215T frame.

6472702 15 HP (11.190 kw), 60Hz, 3600 RPM (376.99 rad/s), 200v, TEFC, 254T frame.

6472703 15 HP (11.190 kw), 60Hz, 3600 RPM (376.99 rad/s), 230/460v, TEFC, 254T frame.

Infeed Motors included with Basic Machines. Specify voltage.

CONTROLS

3 PHASE

2398195 Magnetic Controls, 200/230/460/575v

***2398501** Magnetic Controls, 200/230/460/575v, w/24v transformer

9100017 Conduit in lieu of Standard Wiring

*May be specified with 110v control.

(FOR JIC CONTROLS, PLEASE CONSULT FACTORY)

OPTIONAL ACCESSORIES

2068001 Cutterhead Brake

2230002 Bed and Feed Roll Gauge. Wt. 1 lb. (.45 kg)

2230007 Cutterhead Gauge. Wt. 1 lb. (.45 kg)

2258007 Knife Grinding Attachment. Wt. 105 lbs. (47.6 kg)

2292022 Shaving Hood, 8" (203.20 mm) outlet. Wt. 30 lbs. (13.6 kg)

2393008 Set of 4 high-speed, heat treated Tool Steel Knives. Wt. $5\frac{1}{2}$ lbs. (2.5 kg)

SPECIFICATIONS

Bed 24" x 48" (609.60 mm x 1219.20 mm)

Cutterhead $4\frac{1}{8}"$ (104.78 mm)

Cutting circle $4\frac{3}{8}"$ (111.12 mm)

Recommended cutterhead speed, belted drive 4800 RPM (502.65 rad/s)

Knives (4), high-speed steel $24" \times 1\frac{1}{4}" \times 5/32"$ (609.60 mm x 31.75 mm x 3.97 mm)

Feed rollers $4" (101.60 mm) dia.$

Bed rollers $4" (101.60 mm) dia.$

Variable speed feed range 20 FPM (101.60 mm/s) to 100 FPM (508.00 mm/s)

Knife-cuts-per-minuted, belted drive 19,200

Maximum depth of cut $1/2" (12.70 mm)$

Stock thickness range $1/8" (3.18 mm)$ to 8" (203.20 mm)

Widest planable stock 24" (609.60 mm)

Shortest planable stock, butted 4" (101.60 mm)

Shortest planable stock, not butted 13" (330.20 mm)

Motors recommended for:

Light and medium work 5 HP (3.730 kw) to $7\frac{1}{2}$ HP (5.595 kw)

Heavy and medium work 10 HP (7.460 kw) to 15 HP (11.190 kw)

Weight export boxed, less motor (92.1 cu ft)

(2.6083m) 2990 lbs. (1356.2 kg)

Weight, export boxed, with motor (123.8 cu ft)

3.506m) 3115 lbs. (1412.9 kg)

Weight, domestic crated, with motor 2885 lbs. (1308.6 kg)

* May be specified with 110v control.

(FOR JIC CONTROLS, PLEASE CONSULT FACTORY)

Model Q225 24" Planer

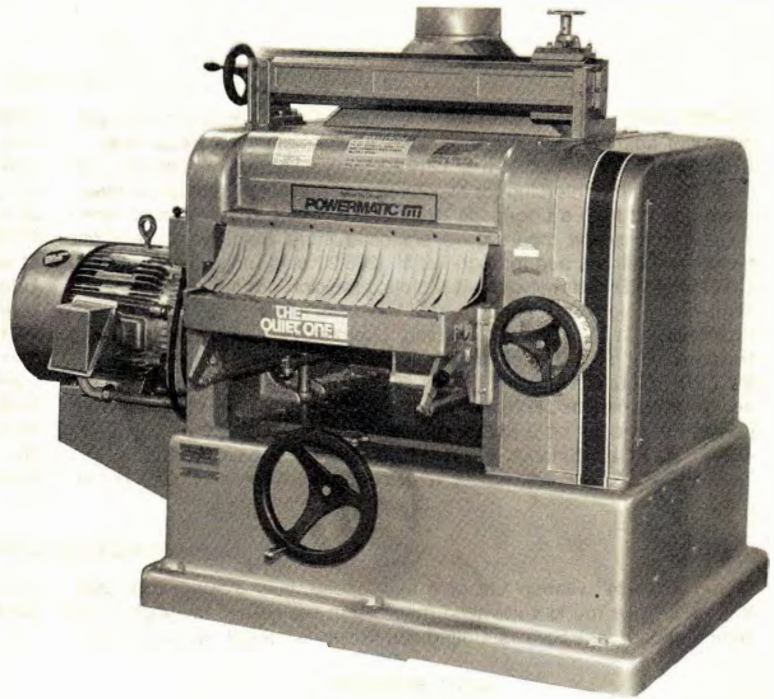
All machines performance tested before shipment.

THE QUIET ONE

Reduces noise levels 10 to 15 decibels over standard machines.

In order to comply with user and Federal Government demands for Planer noise reduction. Powermatic Engineering has done it again! Determined to avoid the complications of sharpening and replacing knives in spiral type cutterheads, this fantastic single surface planer still utilizes the straight knife slot, maintaining simple knife installation and sharpening through use of the regular grinding attachment.

Major noise reduction has resulted from this new stagger mount (patented) blade arrangement, and the addition of curtains of acoustical material at entrance and exit areas service to contain sounds generated within the machine, again reducing the noise level pressure.

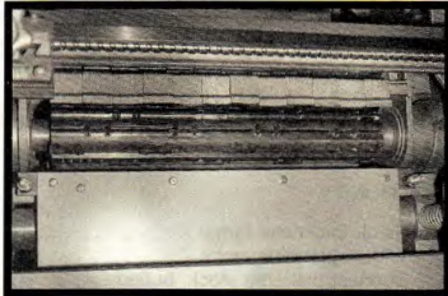


Shown with optional knife grinding attachment dust hood and sound curtains.

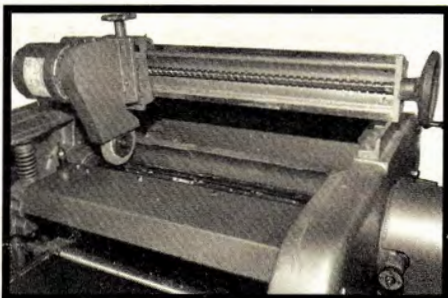
Sectional Infeed Rolls are corrugated, 4" (101.60 mm) diameter, 2" (50.8 mm) cast iron sections mounted on milled alloy steel spline shaft. Reversible without damage. Each section has independent yield of 1/4" (6.35 mm), necessary in running strip stock of varying thickness without dangerous kickback.



The Quiet Cutterhead—An exclusive feature with Powermatic effectively reduces the noise level of this machine in both idle and cutting conditions. Stagger mounted knives provide a quiet cutting action WITHOUT use of a spiral cutterhead.



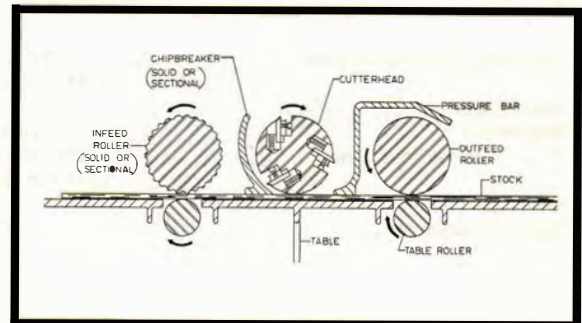
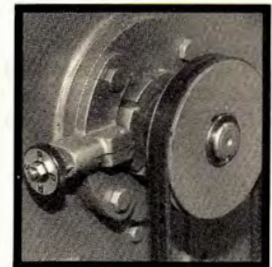
Knife Grinding Attachment (optional) mounts permanently to the main frame. Ideally suited for precision sharpening of knives without removal from head. Heavy 5/4" (133.35 mm) wide guide bar prevents chatter.



"Quick-Set" feature offers lever controlled table roll height adjustment from 0" to .040" (1.02 mm) at a touch. If you are tired of the "push-pull" planing method, Quick-Set eliminates friction and constant under-the-table roll adjustment.



Knife Indexer—Quick acting plunger type indexing locks cutterhead securely for grinding knives. Pre-determined and pre-set stops properly position knife.

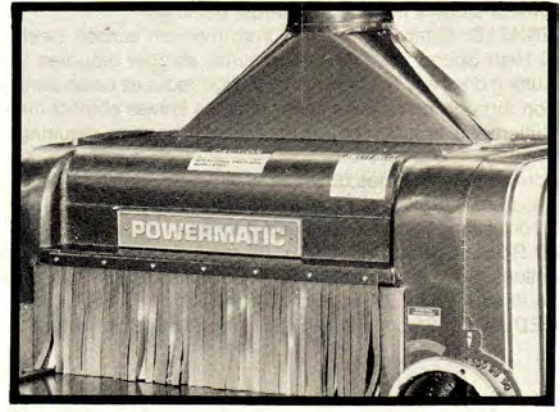
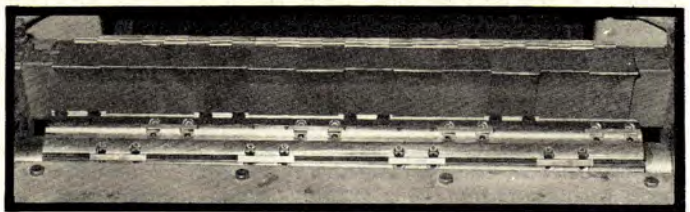


Retrofit Kits For Standard Planers

The Quiet One Retrofit Kits For Standard Planers

Noise levels too high on your Powermatic Planer? OSHA on your back? . . . Then transform your present machine into a "Quiet One." Special conversion kits are now available containing all parts necessary for field installation to drastically reduce planer noise . . . 10 to 12 decibels or more.

Only the cutterhead conversion kit is required if you have NO dust collecting system. If your shop is equipped with dust collecting facilities, then order the cutterhead AND shaving hood kits. The addition of the shaving hood and curtain kits will further reduce the noise level.



Kit includes cutterhead knives, jack screws, knife retainers, bearings, and couplings or pulleys, belts as required. Shaving hood kit includes acoustical barrier lined hood plus barrier curtains and mounting hardware.

***NOTE:** These are **not** designed to fit old direct Drive Planers where motor and cutterhead shaft are the same. Consult Factory.

"THE QUIET ONE" RETROFIT KIT LISTINGS

For Model 100 Planer

- 2397046** Conversion kit for Model 100 Planers, including cutterhead with stagger mounted, high speed steel knives and bearings.
- 2397055** Shaving Hood and Curtain kit for Model 100 Planer

For Model 160 Planer

- 2397047** Conversion kit for DIRECT DRIVE Model 160 Planers, including cutterhead with stagger mounted, high speed steel knives, bearings and special flexible coupling.
- 2397048** Conversion kit for BELT DRIVEN Model 160 Planers, including cutterhead with stagger mounted high speed steel knives, bearings, drive belts and pulleys as required.
- 2397056** Shaving Hood and Curtain kit for Model 160 Planers.

For Model 180 Planer

- 2397049** Conversion kit for DIRECT DRIVE Model 180 Planers, including cutterhead with stagger mounted, high speed steel knives, bearings and special flexible coupling.
- 2397050** Conversion kit for BELT DRIVEN Model 180 Planers, including cutterhead with stagger mounted, high speed steel knives, bearings, drive belts and pulleys as required.
- 2397057** Shaving Hood and Curtain kit for Model 180 Planers

For Model 221 Planer

- 2397051** Conversion kit for DIRECT DRIVE Model 221 Planers, including cutterhead with stagger mounted, high speed steel knives, bearings, and special flexible coupling.
- 2397052** Conversion kit for BELT DRIVEN Model 221 Planers including cutterhead with stagger moutned, high speed steel knives, bearings, drive belts and pulleys as required.
- 2397058** Shaving Hood and Curtain kit for Model 221 Planers.

For Model 225 Planer

- 2397053** Conversion kit for DIRECT DRIVE Model 225 Planers, including cutterhead with stagger mounted, high speed steel knives, bearings and special flexible coupling.
- 2397054** Conversion kit for BELT DRIVEN Model 225 Planers, including cutterhead with stagger mounted, high speed steel knives, bearings, drive belts and pulleys as required.
- 2397059** Shaving Hood and Curtain kit for Model 225 Planer.

Quick . . . Easy to Use . . . Easy To Read

Planer Dial Gauges



Bed and Feed Roll Gauge—Dual purpose . . . gauge mounted with swivel on cast iron base with leveling screws for simplified operation. Dial face rotates for easy zeroing. Part No. 2230002.



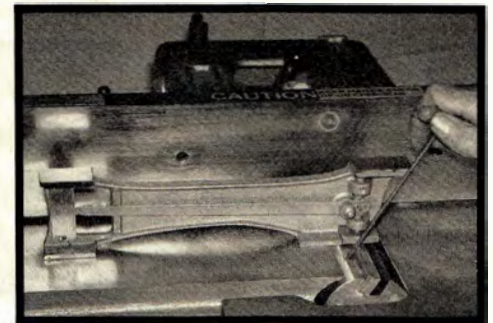
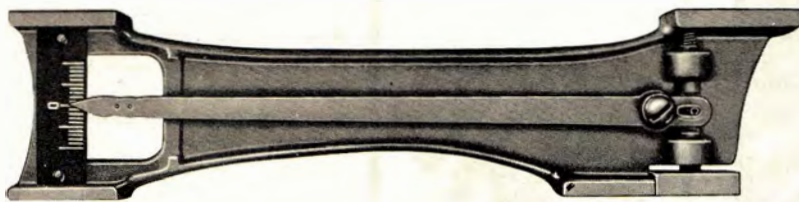
Cutter Head Gauge—Chrome plated plunger type gauge mounted on cast iron base. Designed to rest squarely on cutterhead for fast micrometer accuracy in setting knives. Part No. 2230007.



Improved bed and feed roll gauge—This new gauge is designed to make planer adjustments a snap. Can be used for upper roller, pressure bar, chip breaker and table roll adjustments. Part No. 2230034.

QUIK-SET accuracy in JOINTER cutterhead

Model 150 Quik-Set Knife Gauge



NEW, QUICK WAY TO SET KNIVES ACCURATELY

Anyone can set jointer knives or bed rollers speedily and precisely with this easy-to-use gauge. Variations are micrometer calibrated and are easy to read on this fool-proof measuring instrument.

If you've ever had to make settings by "guess," you quickly found out how important accurate positioning is . . . in outfeed and infeed efficiency as well as the cutterhead itself.

Avoid poor machine performance. Install every new or re-sharpened blade in perfect cutting position . . . adjust bed rollers fast and sure for top feed performance. Wt. 2 lbs. Part no. 2230001.

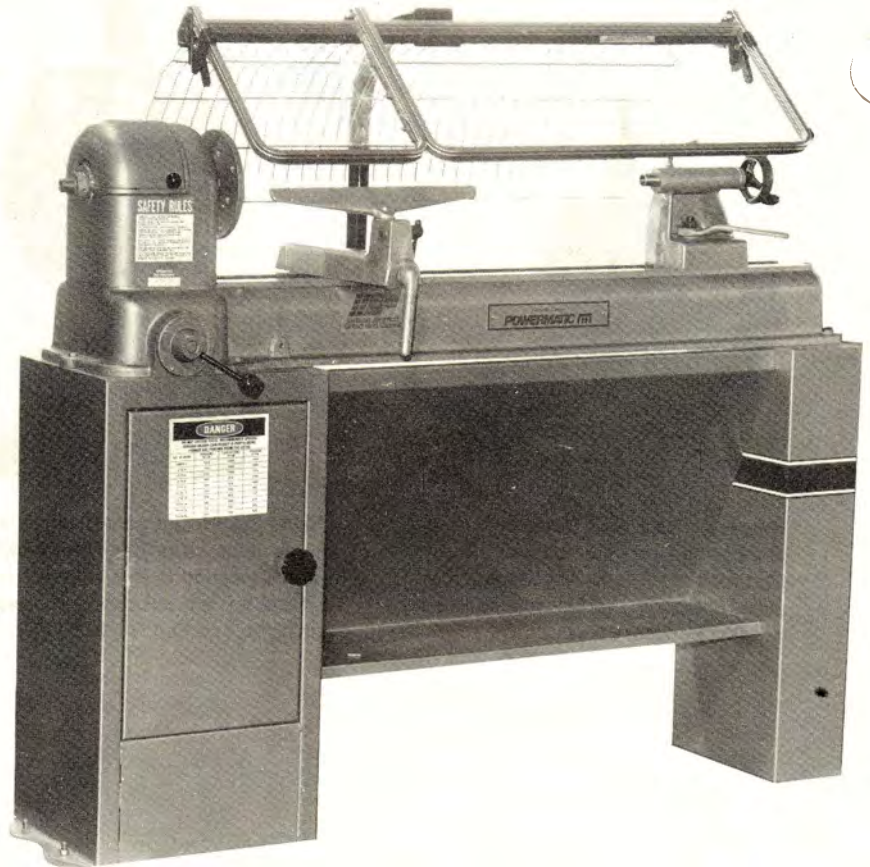
Model 45 12" Lathe

All machines performance tested before shipment.

Heavy Duty Variable or Four-Speed Model

From cabinet and school shops to industrial high production, the Powermatic 45 is acclaimed superior in its field! The big one-piece cast iron bed and rugged reinforced steel cabinet base provide vibration-free performance on every job.

For wood turning, metal spinning, or both . . . large or small job precision performance is simple in record time, with safety.



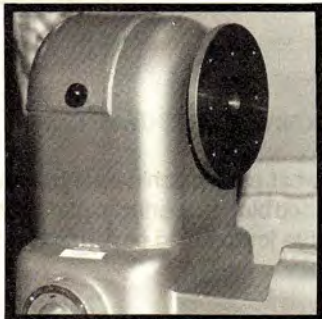
Instant Set Speed control is easy to read without stooping or bending. Large calibrations for fast, accurate setting.



Constant, Smooth Cutting Precision assured through non-slip drive mechanism. Cutting tool cuts freely and evenly with minimum effort.



Choice of Straight or Gap Bed. 12" (304.80 mm) stock capacity over straight bed. 16" (406.40 mm) stock capacity over gap.



Wood Turning Lathe Guard—is made in two sections and moveable left to right—or right to left to provide maximum operator protection.

Lathes are not shipped without guards.

Rugged Stability Guarantees Precision Cutting Control

**Model 45
12" Lathe**

FEATURES

CAPACITY: Swing 12" (304.80 mm) over straight lathe bed; 16" (406.40 mm) over gap bed; 39" (990.60 mm) between centers.

BED: One-piece construction of finest grey iron casting, rib-reinforced for alignment and maximum rigidity. Standard bed length 59" (1498.60 mm).

HEADSTOCK: Available with built-in variable speed drive from 330 to 2100 RPM (34.56 rad/s to 219.91 rad/s) or with four-speed drive of 600, 1100, 1800 & 3000 RPM (62.83 rad/s, 115.19 rad/s, 188.50 rad/s & 314.16 rad/s). Drive pulley spindle mounted between extra large sealed for life-ball bearings for smoother operation at any speed.

SPINDLE: 60-stop type with steel plunger-type index wheel. Machined from carbon steel and precision ground for positive running alignment and balance. Accurately milled 1" (25.40 mm) -8 thread nose is bored for No. 2 Morse Taper. Locking pin holds spindle rigid for easy face plate removal.

TAILSTOCK: 1" (25.40 mm) tailstock spindle is bored for a No. 2 Morse Taper. The center may be easily removed by using the large hand-wheel and tailstock screw.

MOTOR DRIVE: Motor is mounted in lathe cabinet with wide V-belt and two variable sheaves (in variable speed model or multiple mounted inverse pulleys in four-speed model). Drive pulley accessible through cover at top of lathe head and cabinet door.

LATHE BASE: Ruggedly built of heavy-gauge, reinforced steel. Designed for complete smoothness of operation. Large hinged door for quick access to motor and tool storage area in base. Full length chip deflector.

MOTOR SWITCH: Pushbutton type mounted away from exposed operational area to prevent accidental engagement. Slow start standard on variable speed models.

STANDARD EQUIPMENT

Model 45 Lathe: One 6" (152.40 mm) Tool Rest, one 16" (406.4 mm) Tool Rest, one Cup Center, one Spur Center, one 7" (177.8 mm) Face Plate,

one Center Drift Rod, Index Wheel, Tool Support, Tailstock Wrench, Motor Base, V-belt, Motor Pulley and Guard. Less: Motor and Controls.

BASIC MACHINES

1450250 Model 45 Gap Bed Lathe, with all standard equipment 4-speed, less motor and controls

1450260 Model 45 Straight Bed Lathe, with all standard equipment 4-speed, less motor and controls

1450270 Model 45 Gap Bed Lathe, with all standard equipment. Vari-

able Speed and Slo start. (Magnetic Controls only.) Less motor and controls.

1450280 Model 45 Straight Bed Lathe, with all standard equipment. Variable Speed and Slo start. (Magnetic Controls only.) Less motor and controls.

PRICE IS RIGHT MACHINES

1450300 Model 45 Variable Speed Gap Bed complete with all standard equipment plus ¾ HP, 1 PH motor, magnetic controls and safety shield. 115 volts only please.

1450310 Model 45 Variable Speed Gap Bed Lathe complete with all standard equipment plus ¾ HP, 3 Phase motor, magnetic controls and safety shield. 230 volts only please.

1450320 Model 45 Four-speed Gap Bed Lathe complete with all standard equipment plus ¾ HP, 3 Phase motor, manual control, and safety shield. 200 volts only please.

1450330 Model 45 Four-speed Gap Bed Lathe complete with all standard equipment plus ¾ HP, 1 Phase motor, manual control, and safety shield. 115 volts only please.

MOTORS

1 PHASE

6477016 ¾ HP (.56 kw), 60Hz, 1800 RPM (188.5 rad/s), 115/230v, TEFC, 56 frame.

3 PHASE

6470707 ¾ HP (.56 kw), 60Hz, 1800 RPM (188.5 rad/s), 230/460v, TEFC, 56 frame.

6470712 ¾ HP (.56 kw), 60Hz, 1800 RPM (188.5 rad/s), 200v, TEFC, 56 frame.

CONTROLS

1 PHASE

2398114 Switch, 115/230v

2398144 Magnetic Controls, 115/230v

***2398152** Magnetic Controls, 115/230v, w/24v transformer

3 PHASE

2398115 Switch, 200/230/460/575v

***2398150** Magnetic Controls, 200/230/460/575v, w/24v transformer

2398151 Magnetic Controls, 200/230/460/575v

*May be specified with 110v transformer

SPECIFICATIONS

Overall Length 63" (1600.20 mm)
 Distance between centers 39" (990.60 mm)
 Swing over bed 12" (304.80 mm)
 Swing over gap 16" (406.40 mm)
 Width of gap 4½" (114.30 mm)
 Variable speed range 330 RPM (34.56 rad/s) to
 2100 RPM (219.91 rad/s)
 Step pulley, four speed drive 600 (62.83 rad/s),
 1100 (115.19 rad/s), 1800 (188.50 rad/s), 3000 RPM (314.16 rad/s)
 Tailstock Quill travel 3¾" (95.25 mm)

Spindle, inboard and outboard 1" (25.40 mm) 8 Thread ... #2 M/T hole
 Motor recommended ¾ HP (.56 kw)
 Height of bed from floor 36" (914.40 mm)
 Weight, domestic crated with stand and motor 439 lbs. (199.1 kg)
 App.
 Export boxed, with stand and motor 49.4 cu ft
 (1.398 m3) 540 lbs. (244.9 kg) App.

OPTIONAL ACCESSORIES

(see page 35 for optional accessories)

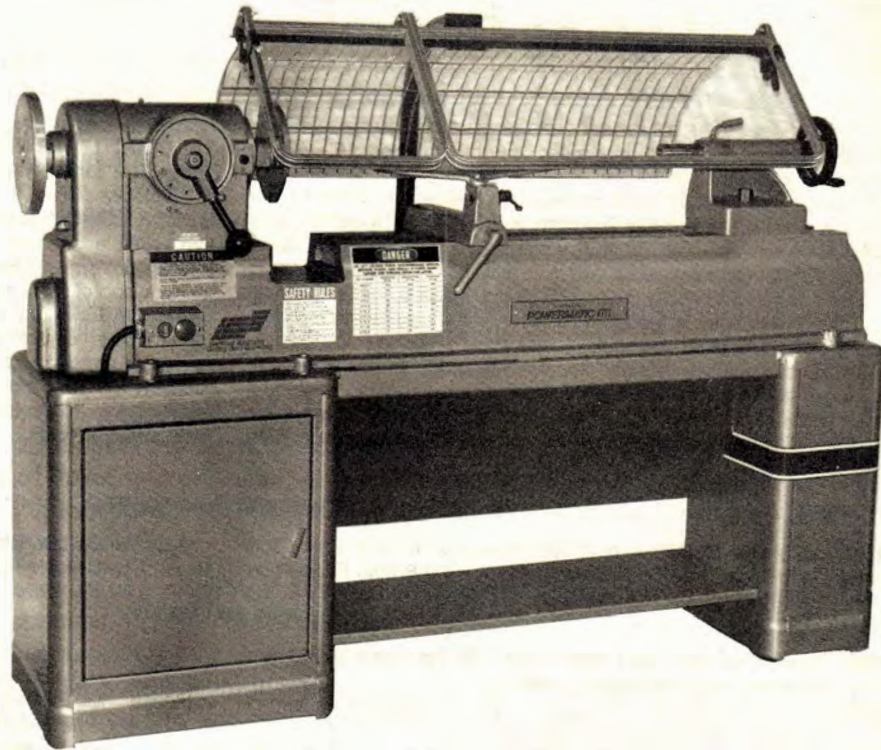
Model 90 12" Lathe

All machines performance tested before shipment.

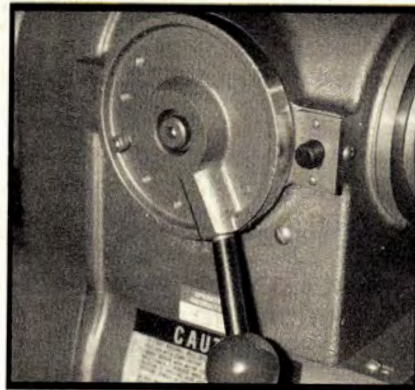
Extra Heavy Duty

The Model 90 Wood turning lathe is available in a straight or gap bed version with one of three speed ranges, 215-1375 RPM (22.5 - 144.0 rad/s) for large diameter wood turning, 330-2100 RPM (34.6 - 219.9 rad/s) for general purpose turning or, 460-3000 RPM (48.2-314.2 rad/s) for metal spinning. The position of the speed control handle determines the spindle RPM (rad/s) within each infinite variable speed range available. All machines are equipped with a variable speed range which gives quick and precise RPM (rad/s) settings and the ability to change speeds while under power. This system eliminates the inconveniences of step cone pulley drives. Select the speed best suited for the operation without compromise. This high performance drive is built with a ruggedness that will meet all requirements.

The Model 90 Lathe Drive System is a double reduction drive from the motor, through a jackshaft, to the headstock spindle. Isolation of the motor mount and the use of a jackshaft combine to minimize vibration.

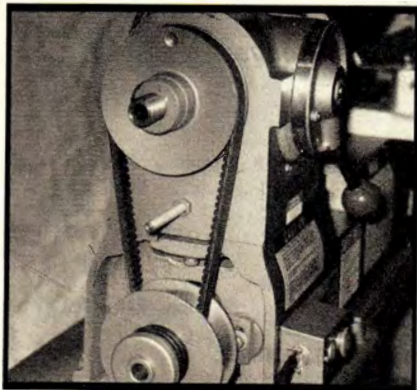


Lathe not shipped without guard.

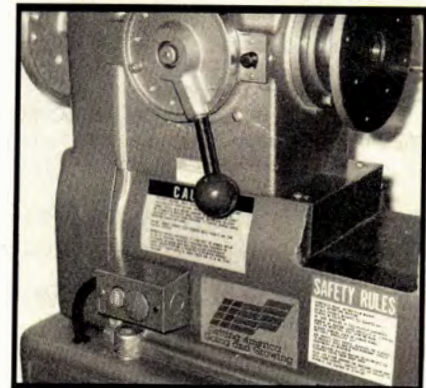
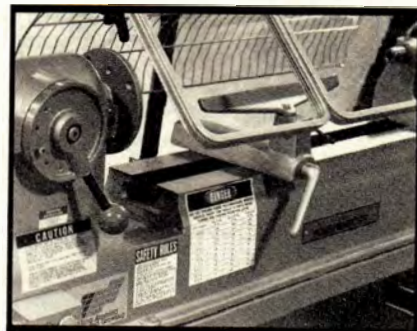


Exclusive of the Model 90! A 5-position limit stop to enforce pre-set speeds. An asset to the school instructor who insists on good safety practices, or the foreman who pre-selects the Lathe speeds for his operators.

Choice of Straight or Gap Bed. 12" (304.80mm) stock capacity over straight bed, 17" (431.80mm) stock capacity over gap.



Massive cast iron, machined and precision ground lathe bed insures accuracy even on long spindle turnings.



Rugged Stability Provides Optimum Cutting Control

Model 90 12" Lathe

FEATURES

CAPACITY: Swing 12" (304.80mm) over straight bed; 17" (431.80 mm) over gap bed. Standard bed affords full 38" (965.20 mm) between centers.

BED: One-piece construction from finest grey iron casting, rib-reinforced for alignment and maximum rigidity. Standard length: 60" (1524.00 mm).

HEADSTOCK: Has built-in variable speed drive to provide infinite variation covering the full speed range of the basic machine.

SPINDLE: Machined from carbon steel and finish ground for positive running alignment and balance. Spindle nose is threaded 1½" (38.10 mm)-8 and bored for No. 2 Morse Taper. Outboard end is threaded 1½"-8 (28.58 mm) for outboard face plate.

LOCKING PIN holds spindle rigid for easy face plate removal. Spindle cannot be accidentally locked while machine is in operation . . . speed range control and switch must be in "OFF" position.

TAILSTOCK: The 1½" (34.92 mm) tailstock spindle is bored for No. 2 Morse Taper. Center may be easily removed by using the large hand-wheel and tailstock screw.

MOTOR DRIVE: The motor bracket is isolation mounted in the top of the storage compartment in the left pedestal. The TEFC motor belt drives the jackshaft on which the driving variable speed sheave is mounted. This shaft in turn, belt drives the spindle. Drive and motor are readily accessible for service or replacement.

LATHE BASE: Wide-stance pedestal base with streamlined design. No sharp corners. Construction from extra heavy gauge reinforced steel for rigid operation in permanent or temporary installation.

MOTOR SWITCH: Activated only by variable speed control cam. Lathe can be started only at slow speed.

STANDARD EQUIPMENT

One center drift rod, one tool support base, one tailstock wrench, one safe stop speed limiter, one face plate wrench, one 6" (152.40 mm) tool rest, one 16" (406.4 mm) tool rest, one cup center, one spur center, one 3"

(76.20 mm) face plate, one motor pulley, one guard, one combination face plate and handwheel, and one 7" (177.8 mm) face plate.

BASIC MACHINES

- 1900310** Model 90 Gap Bed Lathe, with all standard equipment, 330-2100 RPM (34.6 - 219.1 rad/s). Less: Motor and Controls
- 1900320** Model 90 Straight Bed Lathe, with all standard equipment, 330-2100 RPM (34.6-219 rad/s). Less: Motor and Controls.
- 1900330** Model 90 Gap Bed Lathe, with all standard equipment, 460-3000 RPM (48.17-314.2 rad/s). Less: Motor and Controls. For metal spinning.

- 1900340** Model 90 Straight Bed Lathe, with all standard equipment, 460-3000 RPM (48.17-314.2 rad/s). Less: Motor and Controls. For metal spinning.
- 1900350** Model 90 Gap Bed Lathe, with all standard equipment, 215-1375 RPM (22.5-144.0 rad/s). Less: Motor and Controls
- 1900360** Model 90 Straight Bed Lathe, with all standard equipment, 215-1375 RPM (22.5-144.0 rad/s). Less: Motor and Controls.

PRICE IS RIGHT MACHINES

- 1900370** Model 90 Gap Bed Lathe, with all standard equipment plus 1 HP, 3 PH motor, magnetic control and safety shield, *230 Volts only please.*

- 1900380** Model 90 Gap Bed Lathe, with all standard equipment plus 1 HP, 1 PH motor, magnetic controls and safety shield, *115 volts only, please.*

MOTORS

- 1 Phase**
- 6471022** 1 HP (.746 kw), 60 Hz, 1800 RPM (188.5 rad/s), 115/230v., TEFC, 56 frame.
- 3 Phase**
- 6471036** 1HP (.746 kw), 60 Hz, 1800 RPM (188.5 rad/s), 200v., TEFC, 56 frame.

- 6471037** 1HP (.746 kw), 60 Hz, 1800 RPM (188.5 rad/s), 230/460 v. TEFC, 56 frame.

CONTROLS

- 1 Phase**
- 2398474** Magnetic Controls, 115/230v.
- *2398476** Magnetic Controls, 115/230v., w/24v. transformer.
- 3 Phase**
- 2398473** Magnetic Controls, 200/230/460/575v.

- *2398475** Magnetic Controls, 200/230/460/575v. w/24v. transformer.
 - 9100003** Conduit in lieu of Standard Wiring.
- *May be specified with 110 volt transformer.

SPECIFICATIONS

Overall Length 67" (1701.80mm)
 Distance between centers 38" (965.20mm)
 Inboard spindle (8 thread) 1½" (38.10mm)
 Outboard spindle (8 thread) 1½" (28.58mm)
 Swing over bed 12" (304.80mm)
 Swing over gap 17" (431.80mm)
 Tailstock quill travel 4¾" (111.12mm)
 Width of gap 5¼" (133.35mm)

General purpose turning 330-2100 RPM (34.56-219.91 rad/s)
 Metal spinning 460-3000 RPM (48.17-314.16 rad/s)
 Large diameter wood turning 215-1375 RPM
 (922.50-144.00 rad/s)
 Height of bed from floor 34½" (876.3mm)
 Weight, net with stand 550 lbs (249.4kg)
 Weight, domestic crated with stand 623 lbs (282.5kg)
 Export boxed with stand (55.2 cu ft) 775 lbs (342.4kg)

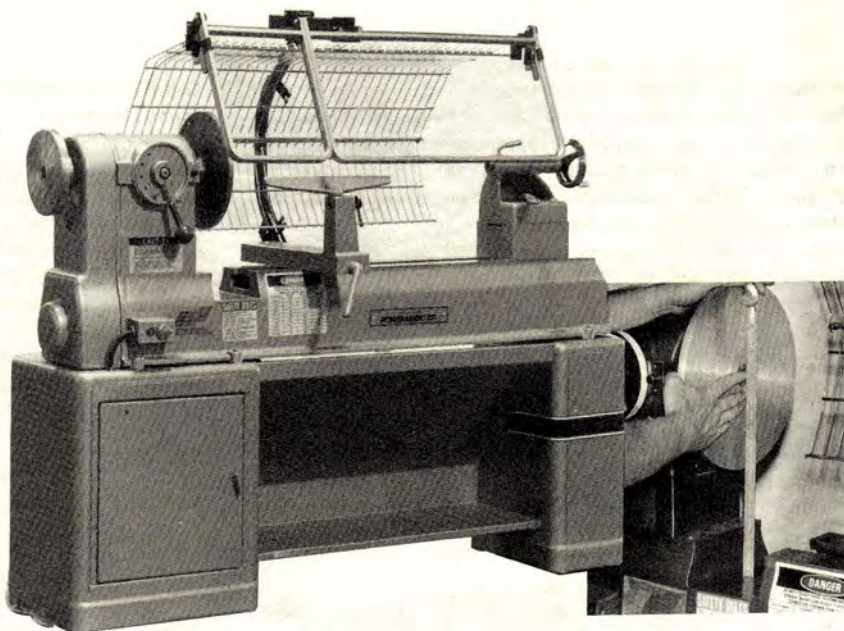
OPTIONAL ACCESSORIES (see page 35)

Model 91 20" Lathe

Large Diameter Woodturning Lathe

The first economically priced wood lathe designed to provide an extra large turning capacity of 20" over the bed and 25" over the gap. This large swing minimizes the need for out-board turning of large diameter pieces which is inherently hazardous. The horsepower of the Model 91 has been increased to 1½ to provide ample power for maximum diameter cutting.

The Model 91 offers many of the same features found in the popular Model 90, such as slow start only, Safe-Stop speed limiter, ease of service, lock out spindle lock and an even lower speed range for safer turning of large objects.



FEATURES

CAPACITY: 20" diameter over bed, 25" over gap. The bed also affords a full 38" (965.2 mm) between centers.

BED: One piece construction from quality Meehanite grey iron casting, rib-reinforced for alignment and maximum rigidity.

SPEED RANGE: 175 to 1100 RPM allows turning of large diameter parts at a slow speed to reduce a hazardous condition and yet is high enough in speed to permit small diameter turning. A 5-position limit stop is standard to enforce pre-set speeds.

HEADSTOCK: Has built-in variable speed drive to provide infinite variation covering the full speed range.

SPINDLE: Machined from carbon steel and precision ground for desired running alignment and balance. Spindle nose is threaded 1½" - 8 and bored for No. 2 Morse Taper. Outboard end is threaded 1½" - 8 for outboard face plate. Locking pin holds spindle rigid for

easy face plate removal. Spindle cannot be accidentally locked while machine is in operation.

TAILSTOCK: The 1¾" (34.92 mm) tailstock spindle is bored for No. 2 Morse Taper. The center may be easily removed by using the large hand-wheel and tailstock screw.

MOTOR DRIVE: The 1½ HP motor and drive are readily accessible in the top of the storage compartment of the headstock pedestal.

LATHE BASE: Wide-stance pedestal base with streamlined design. Constructed from extra heavy gauge reinforced steel for rigid operation.

MOTOR CONTROLS: An externally mounted push button station (with emergency stop button) and an internally mounted micro switch activated by the variable speed control cam requires two hand starting. Lathe always starts at lowest speed.

BASIC MACHINE

1910010 Model 91 Lathe complete with same standard equipment supplied with Model 90 Lathe, 175 to 1100 RPM

spindle speed, less motor and controls.

MOTORS

1 Phase

6471301 1½ HP (1.119 kw), 60 Hz, 1800 RPM (188.5 rad/s), 115/230 volts, 145 T-frame (Model 92 use only).

3 Phase

6471304 1½ HP (1.119 kw), 60 Hz, 1800 RPM (188.5 rad/s),

230/460v, 145 T-frame (Model 91 use only).

6471322 1½ HP (1.119 kw), 60 Hz, 1800 RPM (188.5 rad/s), 200V, 145 T-frame (Model 91 use only).

CONTROLS

1 Phase

2398474 Magnetic controls 115/230V

2398476 Magnetic Controls 115/230v, w/24 volt control transformer.

3 Phase

2398473 Magnetic Controls, 200/230/460/575 volts.

2398475 Magnetic Controls, 200/230/460/575 volts, with 24 volt control transformer.

SPECIFICATIONS

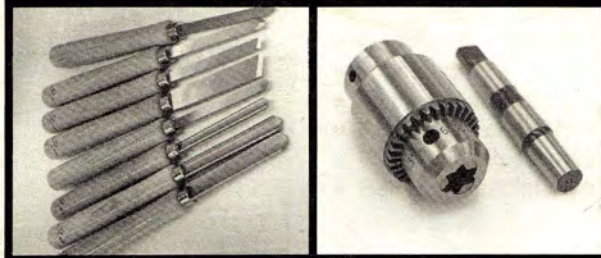
Overall Length 67" (1701.8 mm)
 Distance Between Centers 38" (965.2 mm)
 Inboard Spindle 1½" - 8
 Swing Over Bed 20" (508 mm)
 Swing Over Gap 25" (635 mm)
 Tailstock Quill Travel 4¾" (111.12 mm)

Width of Gap 5¼" (133.35 mm)
 Speed Range 175 to 1100 RPM
 Height of Bed from Floor 34½" (876.3 mm)
 Weight, Net with Stand 600 lbs. (271.8 kg)
 Weight, Domestic, Crated with Stand 673 lbs. (304.9 kg)
 Motor, Horsepower 1½ (1.119 kw)

to speed production on every turning job

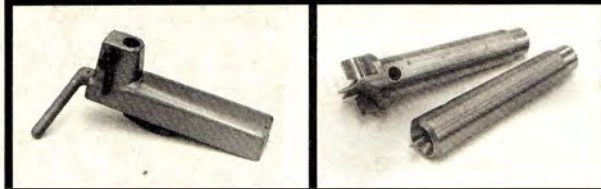
Special High Performance Turning Tools

Require less toolcare than standard tools.
6829019 For #45, 90, and 91 Lathe, wt. 4 lbs. (1.8kg).



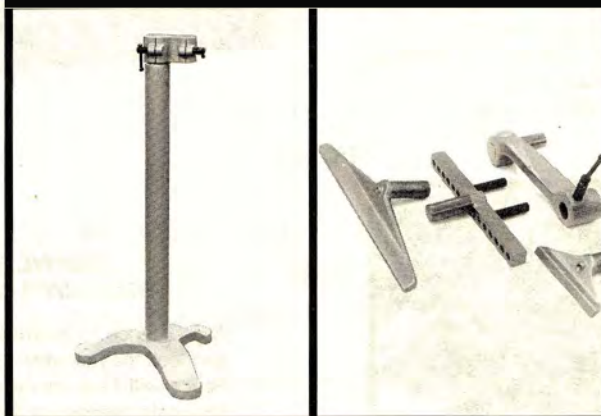
TOOL SUPPORT BASE

For use when making extra long turnings requiring 24" (609.60mm) tool support.
2063011 For #45, 90, and 91 Lathe, wt. 12 lbs. (5.4 kg). Does not include lock assy.

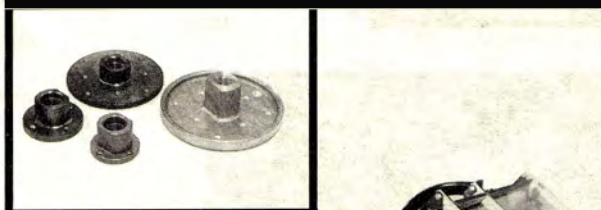


OUTBOARD TURNING STAND

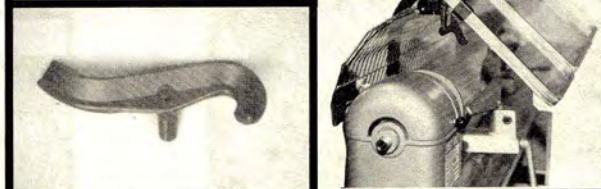
Floor stand with offset tool holder for turning pieces larger than 12" (304.80 mm) diameter.
2759009 For #45 and #90 Lathe, wt. 75 lbs. (34.0kg).



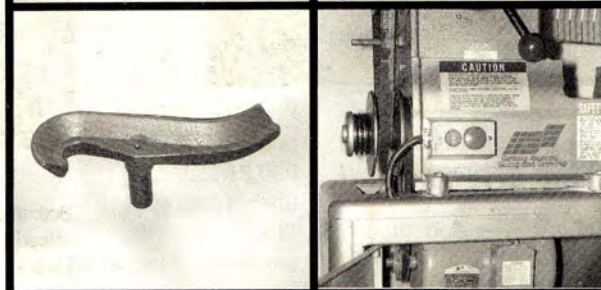
FACE PLATE	#90 & 91	#45
3" (76.20 mm) R.H. face plate 2 lbs. (.9kg).....	3193005	3193001
4" (101.60 mm) R.H. face plate 2 lbs. (.9kg).....	3193004	3193003
7" (177.8 mm) R.H. face plate 3½ lbs. (1.58 kg)	3193035	3193034
8½" (215.90 mm) Outboard face plate	3193010	
7" (177.8 mm) Outboard face plate 45 Lathe	3193036	
12" (304.8 mm) R.H. face plate for 91 Lathe only	3193037	



RIGHT HAND BOWL TURNING REST 3658019



LEFT HAND BOWL TURNING REST 3658024



CHUCKS & ARBORS

3" (76.20 mm) screw chuck, threaded. 1 lb. (45 kg), Model 90 only 2085004
 ½" (12.70 mm) three-jaw chuck 6118013.
 No. 2 Taper Arbor, 1½ lbs. (.7 kg) 6023003.

CENTERS #90 and #45 Lathe

Ball bearing tailstock center, 1 lb. (45 kg) 2084002
 1" (25.40 mm) spur center, 4 oz. (.1 kg) 2084001
 ¾" (19.05 mm) cup center, 4 oz. (.1 kg) 6112002

TOOL SUPPORTS #90 and #45 LATHE

Right angle tool support 3 lbs. (1.3 kg) 3658007
 6" (152.40 mm) tool support 1½ lbs. (.7 kg) 3658010
 16" (406.4 mm) tool support 2 lbs. (.9 kg) 3658022
 24" (609.60 mm) tool support 5 lbs. (2.3 kg) 2658007
 12" (304.80 mm) Metal spinning tool rest 3 lbs. (1.3 kg) 2397063
 Offset tool support 3 lbs. (1.3 kg) 2025016 (less base)

LATHE GUARD

2250123 For Model 45, 90.
2250177 For Model 91.

SLOW SPEED CONVERSION KIT

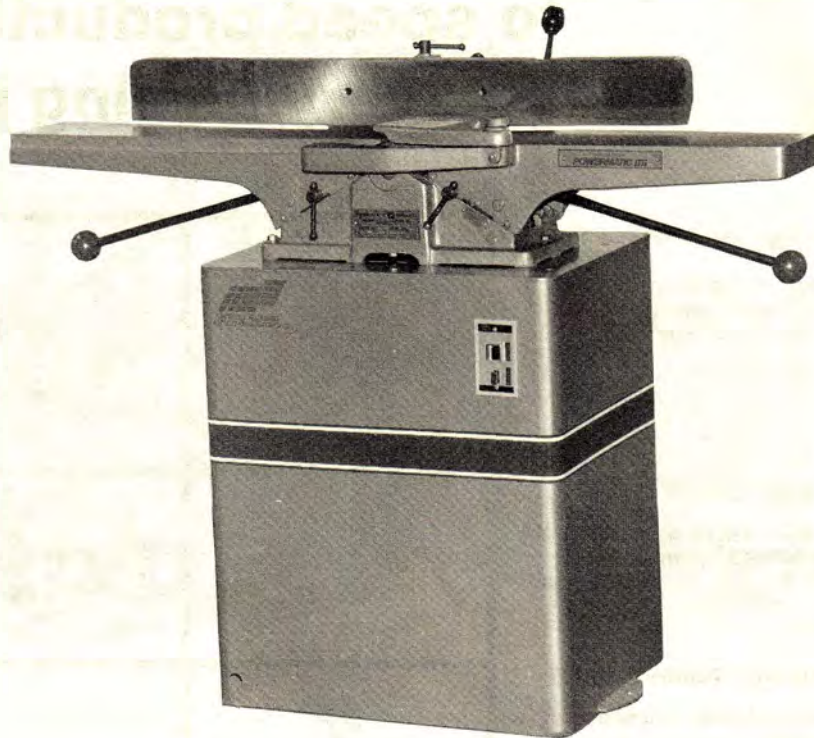
(Model 90 only) 2397033
 (330-2100 RPM)
 (Model 90 only) Pre-1960 2397037
 (330-2100 RPM)

Model 50 6" Jointer

ALL MACHINES PERFORMANCE TESTED BEFORE SHIPMENT

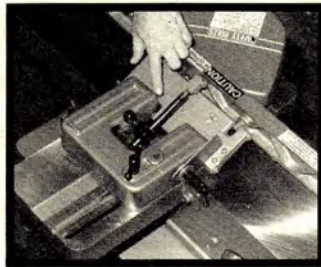
Rugged,
Dynamic
Champion

Here is one of the most versatile of all Powermatic machines . . . equally adaptable for industrial, student training or home workshop use. Built with the strength and rigidity of much larger units, this Powermatic 6" Jointer is light enough to be moved quickly anywhere . . . from the production line to the building site. Smart, streamlined design is free of dust-catching corners and crevices . . . saves shop clean-up time!



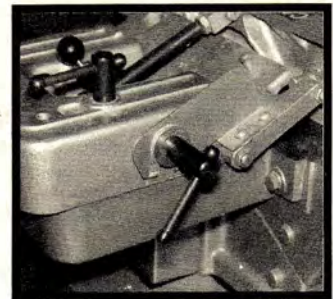
EXTRA LARGE CENTER-MOUNTED FENCE

Plunger-locks at 90 degrees with automatic stops at 45 degrees right and left. Positive quick-lock in any other position. Glides easily and locks across full table width, completely guarding cutterhead at rear of fence.



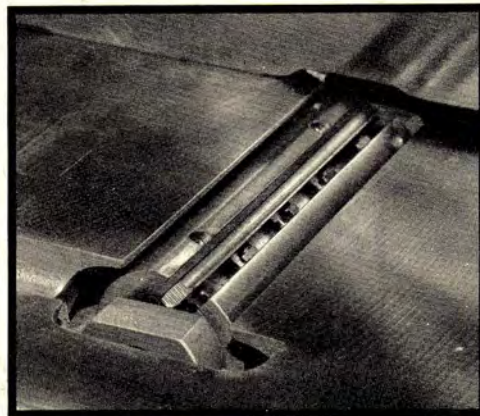
POSITIVE FENCE HOLD-DOWN CLAMP

Adjust fence to desired angle and lock the hold-down clamp. Fence will then maintain rigid horizontal alignment with the table.

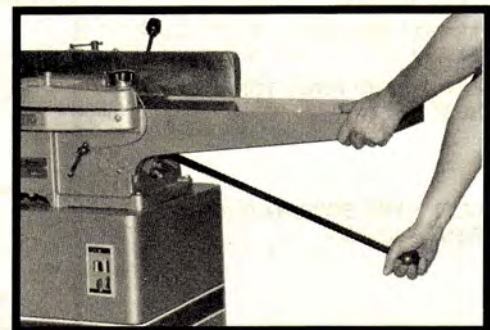
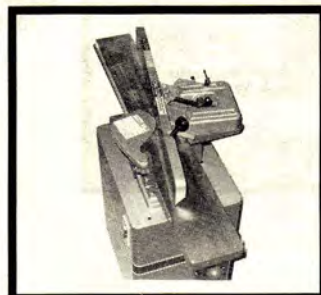


CONTROLLED CHIP CUTTERHEAD

Powermatic's exclusive, patented controlled Chip Cutterhead: reduces noise level, lessens tendency to pull out or lift grain, lowers feed force requirement to move material across tables, reduces chip size and greatly reduces kickback potential based on minimized blade exposure above surface of cutterhead.



"SKEW" or Shear Cutting is easily accomplished by swiveling fence. This practice especially desirable on materials such as curly maple, cherry and fir.



LEVER ACTIVATED TABLES

Both infeed and outfeed tables are quickly and EASILY raised and lowered to exact cutting depths and to parallel outfeed table with knives.

FEATURES

TABLES: Fully adjustable infeed and outfeed tables are mounted on dove-tailed ways to form extra long 48" (1219.20 mm) bed. Both tables raise and lower accurately with convenient hand-levers. Infeed table has extra long extension rest for rabbeting.

FENCE: Over-size center-mounted fence maintains alignment and rigidity when locked in any position. Tilts and positively locks at any angle from 45 degrees left to 45 degrees right, with plunger-type lock at 90 degrees. Positive stops at 45 degrees right and left. Adjustable to full width of tables.

CUTTERHEAD: Controlled Chip jack-screw type with speedy, accurate knife adjustment. Equipped with 3 high speed, heat treated M-2 tool steel knives and rugged cutterhead of the finest carbon steel, precision ground and balanced. Features a full 3" (76.20

mm) cutting arc and quiet running with a minimum of grain pull out. Mounted in over-size dust-sealed ball bearings for long-life performance in continuous operation at 5000 RPM (523.6 rad/s).

DRIVE: Non-slip V-belt for utmost efficiency in any work load range. Drive, motor and switch completely enclosed in base.

POWER REQUIREMENTS: For average and heavier stock and work volume, a ¾ HP (.560 kw) 1-phase or 3-phase motor is recommended.

- All basic parts cast iron or steel, none die cast.
- Rigid reinforced cabinet-type steel base with built-in dust chute.
- Extra long table extension rest for rabbeting.
- Bed is close-tolerance ground for perfect alignment.

STANDARD EQUIPMENT

JOINTER: Set of 3 heat treated M-2 high speed tool steel knives, arbor pulley, center mounted fence, cutterhead guard, motor pul-

ley, belt and knife wrench, less: Stand, motor and controls (NOTE: Belt and motor pulley supplied for 3600 RPM motor).

BASIC MACHINES

1500030 Model 50, 6" (152.40 mm) Jointer with all standard equipment. Less: Motor, controls and enclosed steel stand.

POWERSTARS

- 1500040** Model 50, 6" (152.40 mm) jointer complete with all standard equipment, ¾ HP, 1 phase motor, stand and manual switch, 115 volts only please.
- 1500043** Model 50, 6" (152.40 mm) jointer complete with all standard equipment, ¾ HP, 3 phase motor, stand and manual switch, 230 volts only please.

MOTORS

1 Phase

6470801 ¾ HP (.560kw) 60 Hz, 3600 RPM (376.99 rad/s), 115/230v. TEFC, 56 frame.

TEFC, 56 frame.

6470810 ¾ HP (.560kw), 60 Hz, 3600 RPM (376.99 rad/s), 230/460v. TEFC, 56 frame.

3 Phase

6470809 ¾ HP (.560kw), 60 Hz, 3600 RPM (376.99 rad/s), 200v.

CONTROLS

1 Phase

2398336 Magnetic Controls, 115/230v.

2398369 Switch, 115/230v.

* **2398487** Magnetic Controls, 115/230v. w/24v transformer.

3 Phase

2398118 Magnetic Controls, 200/230/460/575v.

2398230 JIC Controls, 200/230/460/575v.

2398371 Switch, 200/230/460/575v.

***2398435** Magnetic Controls, 200/230/460/575v. w/24v transformer.

*May be specified with 110v transformer

OPTIONAL ACCESSORIES

2230001 Quick Set knife Gauge Wt. 2 lbs. (.9 kg)

2397076 Cutterhead retro kit, controlled chip, 6" Wt. 6 lbs (2.7 kg)

2759063 Jointer Stand only Wt. 63 lbs (28.6 kg)

6077027 Belt for 3600 RPM (376.99 rad/s) motor

6427001 3 Heat treated M-2 high speed tool steel knives Wt. 1 lb (.45 kg)

6807033 Motor pulley, 3½" diameter.

SPECIFICATIONS

Table 7" x 48" (177.80 mm x 1219.20 mm)

Head cutting arc 3" (76.20mm)

Knives (3) H.S. steel ⅛" x 11/16" x 6" (3.18mm x 17.50mm x 152.4mm)

Speed of head (recommended) 5000 RPM (523.6 rad/s)

Knife-cuts-per-minute 15,000

Maximum depth of cut ½" (12.70mm)

Maximum rabbeting cut 0" up to ½" x 6" (12.70mm x 152.4mm)

Fence size overall 4" (101.60mm) x 34 ½" (876.30mm)

Fence tilt, right or left 45 Degrees

Height, less stand 14" (355.60mm)

Height, with stand 40" (1016.00mm)

Motor recommended ¾ HP (.560 kw)

Weight, domestic crated with stand and motor 290 lbs (131.5kg) App.

Weight, domestic crated, less stand 190 lbs (86.2 kg) App.

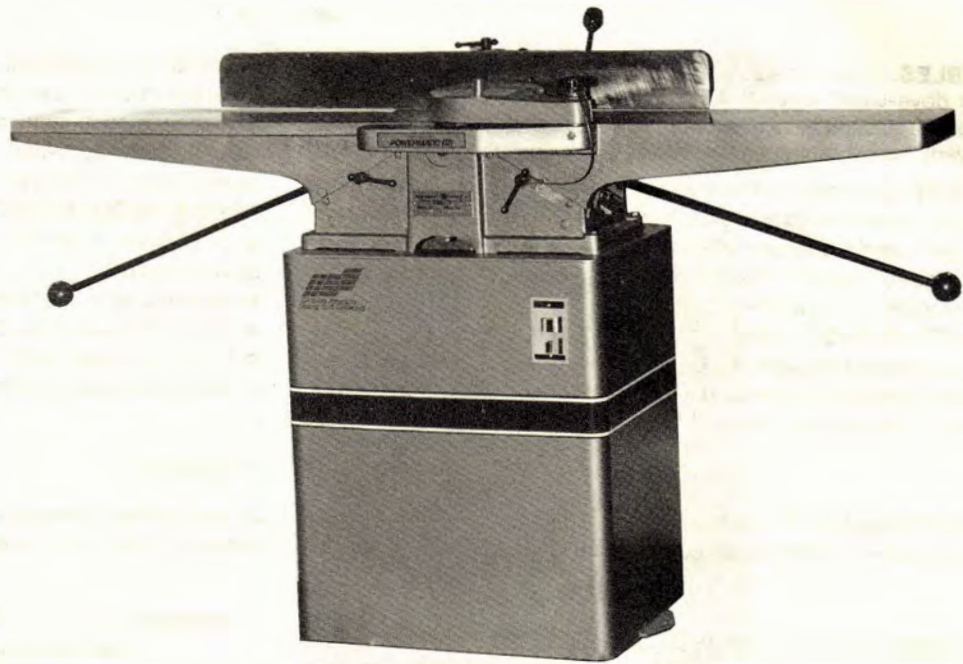
Weight, domestic crated, with stand 265 lbs (120.2kg) App.

Model 60 8" Jointer

ALL MACHINES PERFORMANCE TESTED BEFORE SHIPMENT

HEAVY-DUTY PRODUCTION LEADER

This big-capacity Powermatic 8" Jointer slashes costs and saves time on thousands of jobs daily in hundreds of production lines, sash and door plants, pattern and cabinet shops throughout the nation. An extremely powerful model, the mammoth 64" bed accommodates extra long stock requirements. Cutterhead guard has swing-away action for quick conversion to rabbeting operations.



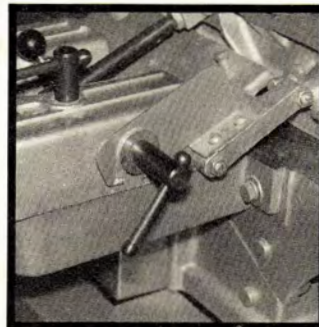
Extra Large Center-Mounted Fence plunger-locks at 90 degrees with automatic stops at 45 degrees right and left. Positive quick-lock in any other position. Glides easily and locks across full table width, or is removable for planing wide stock.



Adjustable Outfeed Table Simplifies alignment of cutterhead with outfeed table. Height adjusting lever may be easily removed to prevent accidental movement of the outfeed table.



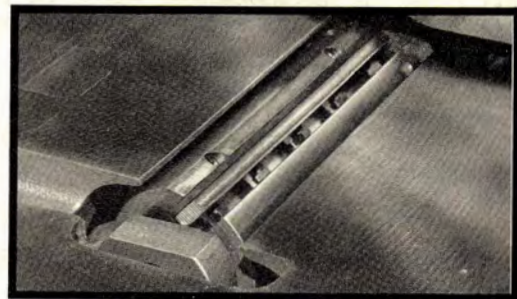
"Skew or Shear Cutting" is easily accomplished by swiveling fence. This practice is especially desirable on materials such as curly maple, cherry and fir.



Positive Fence Hold-Down Clamp Adjust fence to desired angle and lock the hold-down clamp. Fence will then maintain rigid horizontal alignment with the table.



Quick, Sure Table Adjustments on dovetailed ways are easy to make, easy to read with the exclusive lever activated tables. Adjustable gibs compensate for wear. Production lock prevents table movement during operation.



Controlled Chip Cutterhead

Powermatic's exclusive, patented controlled Chip Cutterhead reduces noise level, lessens tendency to pull out or lift grain, lowers feed force requirement to move material across tables, reduces chip size and greatly reduces kickback potential based on minimized blade exposure above surface of cutterhead.

FEATURES

TABLES: Fully adjustable infeed and outfeed tables are mounted on dovetailed ways to form king-size capacity 64" (1625.60mm) table surface. Both tables are quickly and accurately raised and lowered with convenient hand-lever. For rabbeting, infeed table has extra long extension rest.

FENCE: Full length, self-aligning fence locks rigidly in any position. Tilts and positively locks at any angle. Plunger-type lock at 90 degrees. Positive stops at 45 degrees right and left. Single lever adjustment to full width of tables. Cutterhead at rear of fence fully guarded in all fence positions.

CUTTERHEAD: Controlled chip, quiet running jackscrew type with speedy, accurate knife adjustment. Equipped with 3 high speed, heat treated M-2

tool steel knives and rugged cutterhead of the finest carbon steel, precision ground and balanced. Cutting arc is full 3" (76.20 mm) diameter mounted in over-size dust-sealed ball bearings for high efficiency in continuous operation at 5,000 RPM (523.6 rad/s).

DRIVE: Non-slip V-belt for maximum performance even under extremely heavy work load. Drive, motor, and switch completely enclosed in base.

POWER REQUIREMENTS: Designed for average, heavy and extra heavy work loads requiring ¾HP (.560 kw), 1HP (.746 kw) 1½HP (1.119kw), 2 HP (1.492 kw) 1 or 3-phase motor.

STANDARD EQUIPMENT

JOINTER: Set of 3 high speed, heat treated M-2 tool steel knives, arbor pulley, center mounted fence, cutterhead, guard, motor pulley, belt and knife wrench. Less: Stand motor and controls.

(NOTE: Belt and motor pulley supplied for 3600 RPM (376.99 rad/s).

BASIC MACHINE

1610030 Model 60, 8" (203.20mm) Jointer with all standard equipment. Less: Motor, controls, and enclosed steel stand.

POWERSTARS

1610050 Model 60 jointer complete with all standard equipment, plus 1½ HP, phase motor, manual switch and stand, 115 volt only please.

1610055 Model 60 jointer complete with all standard equipment, plus 1½ HP, 3 phase motor, manual switch and stand, 230 volt only please.

PRICE IS RIGHT MACHINES

1610040 Model 60 Jointer complete with all standard equipment, plus 2 HP, 3 PH motor, magnetic controls, stand and Model 150 gauge. 230 volt only, please.

MOTORS

1 Phase

6470801 ¾ HP (.560 kw), 60 Hz, 3600 RPM (376.99 rad/s), 115/230v. TEFC, 56 frame.

6471100 1 HP (.746 kw), 60 Hz, 3600 RPM (376.99 rad/s), 115/230v. TEFC, 56 frame.

6471400 1½ HP (1.119kw), 60 Hz. 3600 RPM (376.99 rad/s), 115/230v. TEFC, 56 frame.

3 Phase

6470809 ¾ HP (.560kw), 60 Hz, 3600 RPM (376.99 rad/s), 200v. TEFC, 56 frame.

6470810 ¾ HP (.560kw), 60 Hz, 3600 RPM (376.99 rad/s), 230/460v. TEFC, 56 frame.

6471706 2 HP (1.492 kw), 60 Hz, 3600 RPM (376.99 rad/s), 230/460v, TEFC, 145T frame.

6471118 1 HP (.746 kw), 60 Hz, 3600 RPM (376.99 rad/s), 200v. TEFC, 56 frame.

6471119 1 HP (.746 kw), 60 Hz, 3600 RPM (376.99 rad/s), 230/460v. TEFC 56 frame.

6471412 1½ HP (1.119 kw), 60 Hz, 3600 RPM (376.99 rad/s), 200 v., TEFC, 56 frame.

6471413 1½ HP (1.119 kw), 60 Hz, 3600 RPM (376.99 rad/s), 230/460v. TEFC, 56 frame.

CONTROLS

1 Phase

2398336 Magnetic Controls, 115/230v.

2398369 Switch, 115/230v.

***2398487** Magnetic Controls, 115/230v w/24v transformer.

*May be specified with 110v transformer

3 Phase

2398118 Magnetic Controls, 200/230/460/575v.

2398230 JIC Controls, 200/230/460/575v.

2398371 Switch, 200/230/460/575v.

***2398435** Magnetic Controls, 200/230/460/575v, w/24v transformer.

OPTIONAL ACCESSORIES

2230001 Quick Set Knife Gauge . . . wt. 2 lbs. (.9 kg)

2397077 Cutterhead retro kit, controlled chip, 8" . . . Wt. 8 lbs. (3.6 kg)

2759063 Jointer Stand only wt. 65 lbs. (29.5 kg)

6427002 3 heat treated M-2 high speed tool steel knives wt. 1 lb. (45 kg)

SPECIFICATIONS

Table 8½" x 64" (215.90 mm x 1625.60mm)
 Head cutting arc 3" (76.20mm)
 Knives (3) ⅜" x 11⅛" x 8"
 (3.18mm x 17.50mm x 203.20mm)
 Speed of head (recommended) 5000 RPM (523.6 rad/s)
 Knife-cuts-per-minute 15,000
 Maximum depth of cut ½" (12.70mm)
 Maximum rabbeting cut 0" to ½ x 8" (12.70 mm x 203.20 mm)

Fence size overall 4" x 34½" (101.60mm x 876.30mm)
 Height, less stand 17" (431.80mm)
 Height, with stand 43" (mm)
 Motor recommended ¾ HP (.560 kw) to 2 HP (1.492 kw)
 Weight, domestic crated, less stand 322 lbs (146.0 kg)
 Weight, domestic crated, with stand 400 lbs (181.4 kg)
 Weight, domestic crated, with stand and motor 440 lbs (199.5 kg)

Model 30B Combination Belt & Disc Sander

All Machines Performance Tested Before Shipment.

The Powermatic Model 30-B Combination Belt and Disc Sander is a step in the direction of pollution control with the optional Dust Collector. The 30-B Sander can be used for both wood and metal sanding, and, with its own dust collection system, eliminates the necessity of a separate dust control unit. Dust disposal is easily accomplished with the removable drawer.

Rugged cast iron construction virtually eliminates vibration of all contour, angle, and flat sanding jobs.

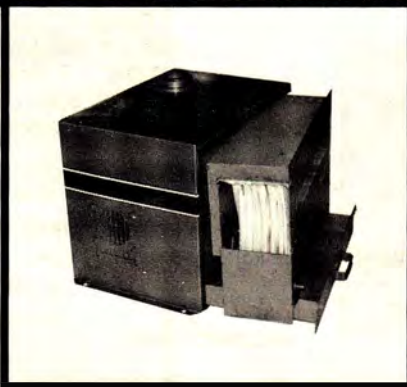
The standard tilting table (45 degrees down or 15 degrees up) and the swing away end guard (for easy access to the contour sanding surface), along with the optional tilting fence and miter gauge, permit rapid set-ups without the need for special tools.

Improve the quality of your work with a dust free environment!

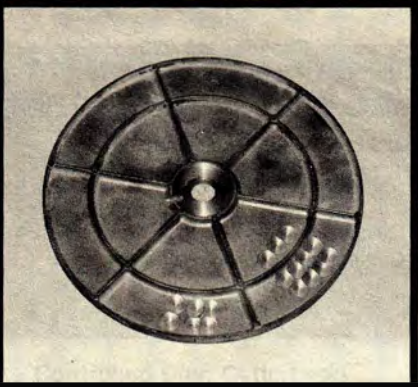


CONTOUR SANDING is accomplished without removal of guard end cap. Merely swing cap back for access to full idler drum contact. The platen may also be removed for loose belt contouring.

TILTING TABLE
Heavy duty cast iron table tilts 45 degrees down to 15 degrees up. Table may be used on either belt or disc or is easily removable for linear sanding. Long objects may be cross grain sanded without hitting disc guard.



Optional Dust Collector stand features a no-clog accordion type bag which collects the finest particles, even chalk dust.



Heavily Veined carefully balanced sanding disc is ideal for heavy duty deburring or fine pattern core finishing operations.

Model 30B Combination Belt & Disc Sander

FEATURES

TILTING TABLE: Big 7" x 17¼" (117.8mm x 438.2mm) tilting table is slotted for accurate miter gauge attachment. Easy to tilt and lock at any angle from 0 degrees to 45 degrees down, or 15 degrees up. Change easily from belt to disc operation.

DRUMS: 4½" (114 mm) in diameter, both drums are mounted in big sealed ball bearings for extra smooth operation and years of trouble-free service. Idler drum accurately maintains belt tension. Easy-to-reach belt controls assure positive and accurate alignment.

BELT: Accommodates 6" x 48" (152 mm x 1219 mm) belt. Entire belt assembly may be quickly adjusted for operation at 4 positions from horizontal to vertical. Outer belt guard may be swung away for contour or edge sanding. 2850 SFM (14.48 m/sec).

SANDING DISC: Full size 12" (304.8 mm) disc is more than ample for most sanding and polishing operations. Dynamically balanced to reduce vibration. 2400 RPM.

GUARDS: Only the moving sanding surfaces are exposed. All other moving parts, including belt assembly are completely guarded.

TRUNNION: Extremely heavy duty construction assures complete table rigidity at all times.

DUST COLLECTOR: The optional Dust collector stand is self-contained. 300 CFM to help meet OSHA requirements. No hoses to clog or burn. 20 sq. ft. of filter area, external shaker and clean out drawer are added features.

STANDARD EQUIPMENT

Model 30B Belt and Disc Sander: Interchangeable, tilting table, belt and disc guards, exhaust outlets, work stop, sanding belt and disc, arbor pul-

ley, belt and motor pulley. Less: Motor Controls and Stand.

BASIC MACHINE

1300131 Model 30B Belt and Disc Sander with all standard equipment. Less: Motor, Controls, and Stand.

POWERSTAR MACHINE

1300134 Model 30B sander complete with all standard equipment plus floor stand without dust collector, two tilting tables, 1½ HP, 1 phase motor and manual switch. 115 volt only please.

1300136 Model 30B sander complete with all standard equipment plus floor stand without dust collector, two tilting tables, 1½ HP, 3 phase motor and manual switch. 230 volt only please.

MOTORS

1 Phase

6471301 1½ HP (1.12 kw), 60 Hz, 1800 RPM (188.46 rad/s), 115/230v, TEFC, 145T frame.

3 Phase

6471304 1½ HP (1.12 kw), 60 Hz, 1800 RPM (188.46 rad/s), 230/460 TEFC, 145T frame.

6471322 1½ HP (1.12 kw), 60 Hz, 1800 RPM (188.46 rad/s), 200v. TEFC, 145 T frame.

CONTROLS

1 Phase

2398528 Manual Switch, 115/230v.
2398530 Magnetic Controls, 115/230v.
***2398532** Magnetic Controls, 115/230v w/24v transformer.

3 Phase

2398230 JIC controls, 200/230/460/575v.
2398529 Manual Switch, 200/230/460/575v.
2398531 Magnetic Controls, 200/230/460/575v.
***2398533** Magnetic Controls, 200/230/460/575v, w/24 transformer.

*May be specified with 110v transformer.

OPTIONAL ACCESSORIES

2093002 Stand w/dust collector
2195004 Fence assembly, wt. 14 lbs. (6.36 kg).
2195020 Non tilting fence assembly, wt. 2 lbs. (.92 kg)
2471010 Miter gauge, wt. 3½ lbs. (1.59 kg)
2759039 Stand Assembly w/o dust collector
2797134 Tilting Table Assembly, wt. 22½ lbs. (10.22 kg).
6078001 Metal sanding aluminum oxide belt, 100 grit, fine, wt. 8 oz. (.23 kg).
6078002 Metal sanding aluminum oxide belt, 50 grit, coarse, wt. 8 oz. (.23 kg)

6078003 Wood sanding garnet belt, 80 grit, medium, wt. 8 oz. (.23 kg).
6078004 Wood sanding garnet belt, 40 grit, coarse, wt. 8 oz. (.23 kg).
6206001 Wood sanding disc, 80 grit, medium, wt. 8 oz. (.23 kg).
6206002 Wood sanding disc, 40 grit, coarse, wt. 8 oz. (.23 kg).
6206003 Metal sanding aluminum oxide disc, 100 grit, fine, wt. 8 oz. (.23 kg).
6206004 Metal sanding aluminum oxide disc, 50 grit, coarse, wt. 8 oz. (.23 kg).
3038003 Replacement filter

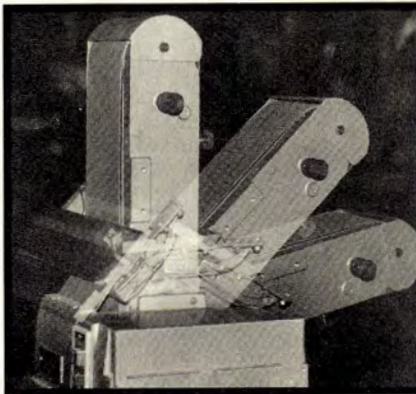
SPECIFICATIONS

Belt Speed	2850 SFM (14.48 m/sec)	Drum Size	4½" x 6¾" (114 mm x 162 mm)
Disc Speed	2400 RPM (251.28 rad/sec)	Distance between drum centers	17" (431.8 mm)
Belt Size	6" x 48" (152 mm x 1219 mm)	Height with stand and dust collector	41½" (105.7 mm)
Support table under belt	6½" x 14½" (165 mm x 368 mm)	Height with stand	33¼" (844.5 mm)
Working height in horizontal position	37½" (952.5 mm)	Width	22½" (571.5 mm)
Disc Size	12" (304.8 mm) dia.	Weight, Basic machine with motor and stand	315 lbs (141.7 kg)
Table	7" x 17¼" (117.8 mm x 438.2 mm)	Weight, Basic machine less stand	200 lbs. (90 kg)
Tilt	45 degrees down, 15 degrees up		

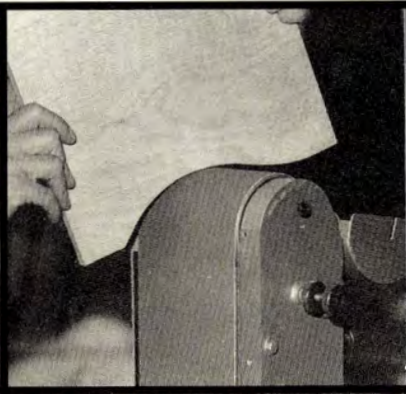
Model 33B Belt Sander

ALL MACHINES PERFORMANCE TESTED BEFORE SHIPMENT

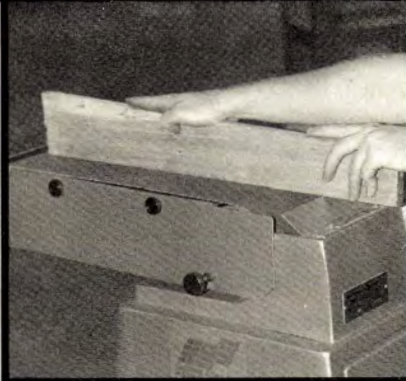
The Powermatic Model 33B belt sander is ideally suited to the cabinet shop, school shop, furniture plant and works beautifully on either wood or metal. The heavy cast iron platen permits operator to perform either heavy-duty or finish sanding. This unit is available with a regular floor stand for connection to existing dust collection system or with a self-contained accordion type dust collector to collect even the finest dust particles.



Three Position automatic locking sanding belt assembly permits sanding ease. Use of the tilting table and miter gauge makes miter sanding easy and simple.



Contour Sanding is accomplished without removal of guard end cap. Merely swing the end cap back for access to full idler drum contact. The platen may also be removed for loose belt contouring.



Edge Sanding with the wood grain is easily accomplished by removal of work stop and placing belt in horizontal position.



Belt Tracking is simplified through use of a fine thread screw. A large knurled knob then locks belt in tracking position.

Model 33B Belt Sander

FEATURES

TILTING TABLE: Big 7" x 17¼" (177.8 mm x 438.2 mm) tilting table is slotted for accurate miter gauge attachment. Easy to tilt and lock at any angle from 0 degrees to 45 degrees out or 15 degrees in.

DRUMS: 4½" (114.3 mm) in diameter, both drums are mounted with sealed ball bearings for extra smooth operation and years of trouble-free service. Idler drum accurately maintains belt tension. Easy-to-reach belt controls assure positive and accurate alignment.

BELT: Accommodates 6" x 48" (152 mm x 2438 mm) belt. Entire belt assembly may be quickly adjusted for operation at 4 positions from horizontal to vertical. Outer belt guard may be swung away for contour or edge sanding.

GUARDS: Only the moving sanding surfaces are exposed. All other moving parts, including belt assembly, are completely guarded. Belt assembly guard has dust duct opening.

TRUNNION: Extremely heavy duty construction assures table rigidity at all times.

DUST COLLECTOR: The optional Dust Collector stand is self-contained. 300 CFM to help meet OSHA requirements. No hoses to clog or burn. 20 sq. ft. of filter area, external shaker and clean-out drawer are added features.

STANDARD EQUIPMENT

BELT SANDER: 2-way tilting guard, arbor pulley, exhaust outlet, work stop, sanding belt, motor pulley and belt. Less: Motor,

Controls and Stand.

BASIC MACHINE

POWERSTAR MACHINE

1330111 Model 33-B Belt Sander with all standard equipment. Less: Motor, Controls and Stand.

1330114 Model 33-B Sander with all standard equipment, plus 1½ HP, 1 Phase motor, stand and manual switch. 115 volts only please.

1330117 Model 33-B sander with all standard equipment, plus 1½ HP, 3 phase motor, stand and manual switch. 230 volts only please.

MOTORS

1 Phase

6471301 1½ HP (1.12 kw), 60 Hz. 1800 RPM (188.46 rad/sec), 115/230v., TEFC 145T frame.

3 Phase

6471304 1½ HP (1.12 kw), 60 Hz. 1800 RPM (188.46 rad/sec), 230/460v, TEFC, 145T frame.

6471322 1½ HP (1.12 kw), 60 Hz, 1800 RPM (188.46 rad/sec), 200v, TEFC, 145T frame.

CONTROLS

1 Phase

2398528 Manual Switch, 115/230v.

2398530 Magnetic Controls, 115/230v.

***2398532** Magnetic Controls, 115/230v, w/24v transformer.

*May be ordered with 110v transformer

3 Phase

2398230 JIC Controls, 200/230/460/575v.

2398529 Manual Switch, 200/230/460/575v.

2398531 Magnetic Controls, 200/230/460/575v.

***2398533** Magnetic Controls, 200/230/460/575v. w/24v. transformer.

OPTIONAL ACCESSORIES

2093002 Stand w/dust collector

2195004 Tilting Fence assembly. Wt. 14 lbs. (6.36 kg).

2195020 Non-tilting fence assembly, wt. 2 lbs. (.92 kg).

2471010 Miter Gauge, wt. 3½ lbs. (1.59 kg).

2759039 Stand Assembly w/o dust collector

6078001 Metal sanding aluminum oxide belt, 100 grit, fine, wt. 8 oz. (.23 kg.)

6078002 Metal sanding aluminum oxide belt, 60 grit, coarse. Wt. 8 oz. (.23 kg).

6078003 Wood sanding garnet belt, 80 grit, fine, wt. 8 oz. (.23 kg.)

6078004 Wood sanding garnet belt, 40 grit, coarse, wt. 8 oz. (.23 kg).

3038003 Replacement filter

SPECIFICATIONS

Belt speed 2850 SFM (14.48 m/sec)

Sanding belt 6" x 48" (152 mm x 1219 mm)

Belt drum 4½" x 6⅝" (114.3 mm x 161.9 mm)

Table 7" x 17¼" (117.8 mm x 438.2 mm)

Table tilt 45 Degrees Down 15 Degrees Up

Distance between drum centers 17" (431.8 mm)

Height with stand or dust collector 37½" (952.5mm)

Length with stand or dust collector 33¼" (844.6 mm)

Width 22½" (571.5 mm)

Weight, Basic machine with motor and stand 295 lbs (312.7 kg)

Weight, Basic machine less stand 180 lbs (81 kg)

Model 35B 12" Disc Sander

ALL MACHINES PERFORMANCE TESTED BEFORE SHIPMENT

Considered by many to be the finest 12" disc sander marketed, the Powermatic Model 35B is a work-horse that converts from rough, heavy-duty sanding to finished with the change of the abrasive disc. A special alloy veined and dynamically balanced sanding disc insures vibration-free sanding.

The unit is fully guarded to provide maximum operator productivity and features a 4" dust outlet for quick hookups to your dust system.

Whether in hobby shop or high-production operation, you'll be amazed with the superb quality and speed you get on any sanding, polishing, deburring or burnishing job. Just lock-set the tilting table in proper position and you're ready to go.

Move it anywhere quickly, too . . . with or without the rigid, heavy-gauge steel floor stand. Just plug in and you're ready to go again in a new location.



Optional Miter Gauge is constructed of precision machined cast aluminum with positive stops at the 45 and 90 degree positions. The overall accuracy of miter gauge, table and sanding disc insures precision surfaces on all types of angle and miter cuts.



Precision Ground table surface permits free-hand operation for sanding or grinding contoured or irregularly shaped parts.



Cast Iron table is heavily ribbed and mounted in hefty cast iron double trunnions to prevent distortion from heavy work load or sanding pressures.



Table Tilts 45 degrees down and 15 degrees up to handle most sanding and deburring operations.



A Single Handwheel locks both trunnions accurately and securely. The large, easy to read tilt scale shows exact degree of table tilt.

Model 35-B 12" Disc Sander

FEATURES

TILTING TABLE: Extra-wide 7" (178 mm) x 17¼" (438 mm) tilting table is slotted for accurate miter gauge attachment. Easy to tilt and securely lock at any angle 0 degrees to 45 degrees down, 15 degrees up.

GUARD: Only the moving disc surface is exposed. All other moving parts are completely guarded.

TRUNNION: Finest heavy-duty construction for smooth and easy tilting operation and positive table locking in any position.

DRIVE: Sanding Disc is mounted directly on motor drive shaft, ¾ HP (.559 kw) to 1½ HP (1.12 kw), 1 or 3 PH motor available.

SANDING DISC: Full size 12" (304.8 mm) disc satisfies most sanding and polishing operations. 1800 RPM (188.5 rad/sec).

STANDARD EQUIPMENT

Disc Sander: 2-way tilting table, disc, guard, exhaust outlet and one 50 grit aluminum oxide sanding disc. Less: Motor and

controls.

BASIC MACHINE

1350032 12" (304.8 mm) Disc Sander with all standard equipment and stand. Less: Motor and controls.

POWERSTAR MACHINE

1350033 Model 35B disc sander complete with all standard equipment plus floor stand, 1 HP, 1 phase motor and manual switch. 115 volts only please.

1350036 Model 35B disc sander complete with all standard equipment plus floor stand, 1 HP, 3 phase motor and manual switch. 230 volts only please.

MOTOR

1 Phase

6470700 ¾ HP (.56 kw), 60 Hz, 1800 RPM (188.5 rad/sec), 115/230 v., TEFC, 56 frame.

6471022 1 HP (.75 kw), 60 Hz, 1800 RPM (188.5 rad/sec), 115/230v, TEFC, 56 frame.

3 Phase

6470707 ¾ HP (.56 kw), 60 Hz, 1800 RPM (188.5 rad/sec), 230/460., TEFC, 56 frame.

6470712 ¾ Hp (.56 kw), 60 Hz, 1800 RPM (188.5 rad/sec), 200v. TEFC, 56 frame.

6471036 1 HP (.75 kw), 60 Hz, 1800 RPM (188.5 rad/sec), 200 v. TEFC, 56 frame.

6471037 1 HP (.75 kw), 60 Hz, 1800 RPM (188.5 rad/sec), 230/460v. TEFC, 56 frame.

6471324 1½ HP (1.12 kw), 60 Hz, 1800 RPM (188.5 rad/sec), 230/460V, TEFC, 56 frame.

CONTROLS

1 Phase

2398122 Manual Switch, 230v.

2398200 Manual Switch, 115v.

2398340 Magnetic Controls, 115/230v.

***2398489** Magnetic Controls, 115/230v, w/24v. transformer.

3 Phase

2398131 Magnetic Controls, 200/230/460/575v.

2398201 Switch, 200/230/460/575v.

2398230 JIC Controls, 200/230/460/575v.

***2398482** Magnetic Controls, 200/230/460/575v, w/24v transformer.

*May be Ordered with 110v transformer

OPTIONAL ACCESSORIES

2471010 Miter gauge, wt. 3½ lbs. (1.59 kg).

2759003 Steel floor stand, totally enclosed, wt. 50 lbs. (22.7 kg).

6206002 Garnet Disc for wood, 12" (304.8 mm) diameter, 40 grit, coarse, wt. 8 ozs. (.23 kg).

6206004 Aluminum oxide disc for metal, 12" (304.8 mm) diameter, 50 grit, coarse, wt. 8 oz. (.23 kg).

SPECIFICATIONS

Floor Model:

Width 17¾" (451 mm)

Height 46½" (1181 mm)

Front to Rear 18½" (470 mm)

Motor arbor 5/8" (15.9 mm)

Table 7" (78 mm) x 17¼" (438 mm)

Table tilt 45 degrees down, 15 degrees up

Sanding disc 12" (304.8 mm)

Weight, domestic crated, less stand 105 lbs. (47.7 kg)

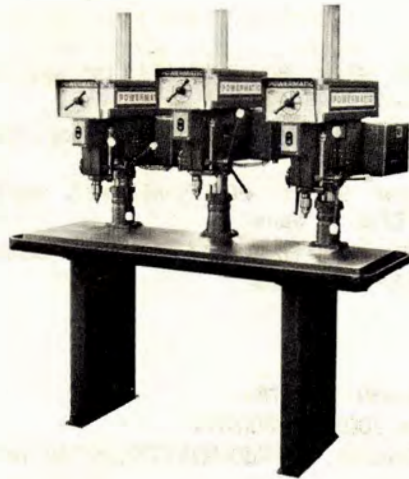
Weight, domestic crated, with stand 206 lbs. (93.5 kg)

Model 1150-A 15" Drill Press

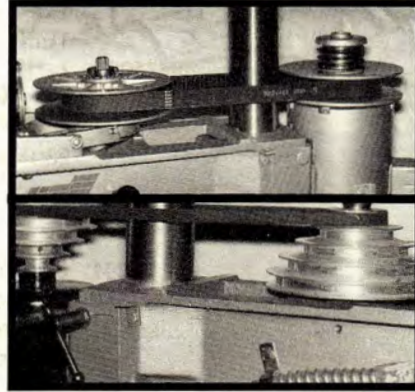
Change Speed Instantly . . .
Check Speed Instantly . . . with Powermatic's variable speed drive drill press.

There are no belts to handle when you change spindle speed! Just a twist of the accurately calibrated variable speed control lets you choose speeds instantly while machine is running. An extra wide speed range in one model—475 to 4800 RPM (49.74 rad/s to 502.66 rad/s). Increased accuracy and bit life in all drilling operations.

Single units or multiples . . . for every application



FULL 6" (152.40 mm)
STROKE STANDARD



The Model 1150-A Drill Press is available in either the Powermatic pioneered variable speed drive or a five-speed step pulley model. The fully guarded five-speed model with snap open-shut belt access door is built with the same precision as the variable speed drive.



VARI-SLOW ATTACHMENT

One belt change provides infinite variable speed control from less than 100 RPM to 4600 RPM (10.47 rad/s to 481.71 rad/s). For field installation only. Cannot be factory mounted.

STANDARD FLOOR AND MULTIPLE SPINDLE MODELS

Spindle & Motor Spec.	Tilting Table Floor Model		Production Table Floor Model *		2-Spindle		3-Spindle		4-Spindle		6-Spindle	
	Variable	Step Pulley	Variable	Step Pulley	Variable	Step Pulley	Variable	Step Pulley	Variable	Step Pulley	Variable	Step Pulley
#2 Morse Taper Less Mtr. & Switch	1152810 290 lbs (131.5 kg)	1152820 250 lbs (113.4 kg)	1153810 360 lbs (163.3 kg)	1153820 320 lbs (145.1 kg)	1154290 778 lbs (352.8 kg)	1154294 730 lbs (331.0 kg)	1155290 1140 lbs (517.0 kg)	1155294 981 lbs (444.9 kg)	1156290 1325 lbs (600.9 kg)	1156294 1230 lbs (557.8 kg)	1158290 1916 lbs (868.9 kg)	1158294 1771 lbs (803.1 kg)
Key Chuck Less Mtr. & Switch	1152790 290 lbs (131.5 kg)	1152800 250 lbs (113.4 kg)	1153790 360 lbs (163.3 kg)	1153800 320 lbs (145.1 kg)					1156291 1325 lbs (600.9 kg)	1156295 1230 lbs (557.8 kg)		

Note: All multiple spindle models include table, legs, flanges, columns, head raising mechanisms and heads—less motors and controls.

SPECIAL T-SLOTTED MULTIPLE SPINDLE MODELS

Spindle & Motor Spec.	2-Spindle		3-Spindle		4-Spindle	
	Variable	Step Pulley	Variable	Step Pulley	Variable	Step Pulley
#2 Morse Taper Less Mtr. & Switch	1154292 Wt. 778 lbs (352.8 kg)	1154296 Wt. 730 lbs (331.0 kg)	1155292 Wt. 1140 lbs (517.0 kg)	1155296 Wt. 981 lbs (444.9 kg)	1156292 Wt. 1325 lbs (600.9 kg)	1156296 Wt. 1230 lbs (557.8 kg)

PRICE IS RIGHT

- 1152825** Model 1150-A Drill Press, floor model, variable speed drive, complete with tilting table, key chuck spindle, ¾ HP, 1 PH motor and manual switch. 115v only, please.
- 1152826** Model 1150-A Drill Press, floor model, step pulley drive complete with tilting table, key chuck spindle, ¾ HP, 1 PH motor and manual switch. 115v only, please.
- 1152827** Model 1150-A Drill Press, floor model, variable speed drive, complete with tilting table, key chuck spindle, ¾ HP, 3 phase motor and manual switch. 230 volt only please.
- 1152828** Model 1150-A Drill Press, floor model step pulley drive complete with tilting table, key chuck spindle, ¾ HP, 3 phase motor and manual switch. 230 volt only please.

MULTIPLE SPINDLE TABLES & STEEL SUPPORT LEGS

- 2423007** Leg, steel, 27 ½" (698.50 mm) high for mounting production tables. Wt. 43 lbs. (19.5 kg) ea.
- 2797014** Production Table 19 ¾" x 98 ½" (501.65 mm x 2501.90 mm). Accommodates up to six spindles, 3 legs required. Wt. 560 lbs. (254.0 kg).
- 2797015** Production Table 19 ¾" x 128 ½" (501.65 mm x 3263.90 mm). Accommodates up to eight spindles, 4 legs required. Wt. 731 lbs (331.5 kg).
- 3797016** Production Table 20 ¼" x 30 ¼" (514.35 mm x 768.35 mm). Accommodates up to two spindles, 2 legs required. Wt. 235 lbs (106.6 kg).
- 3797017** T-slotted Multiple Spindle Production Table for 1 & 2 spindles. Wt. 235 lbs (106.6 Kg).
- 3797018** 20" x 30" (508.00 mm x 762.00 mm) center section. Accommodates up to two spindles. Wt. 171 lbs (77.5 kg).
- 3797037** Production Table 19 ¾" x 65 ¼" (501.65 mm x 1657.35 mm). Accommodates up to four spindles. 2 legs required. Wt. 394 lbs (178.7 kg).
- 3797066** Production Table 19 ¾" x 65 ¼" (501.65 mm x 1657.35 mm) with T-slots. Accommodates up to four spindles, 2 legs required. Wt. 394 lbs (178.7 kg).

STANDARD HEADS

- 1150258** Variable Speed, No. 2 Morse Taper, Head only. Less: motor.
- 1150259** Variable Speed, key chuck, head only. Less: motor.
- 1150260** Five-speed, No. 2 Morse Taper, Head only. Less: Motor.
- 1150261** Five-speed, Key Chuck, Head only. Less: motor.

MOTORS

- 1 Phase**
- 6470600** ¾ HP (.560 kw), 60 Hz, 1200 RPM (125.66 rad/s), 115/230v, TEFC, 56 frame.
- 6470700** ¾ HP (.560 kw), 60 Hz, 1800 RPM (188.50 rad/s), 115/230v, TEFC, 56 frame.
- 3 Phase**
- 6470607** ¾ HP (.560 kw), 60 Hz, 1200 RPM (125.66 rad/s), 200v, TEFC, 56 frame.
- 6470608** ¾ HP (.560 kw), 60 Hz, 1200 RPM (125.66 rad/s), 230/460v, TEFC, 56 frame.
- 6470707** ¾ HP (.560 kw), 60 Hz, 1800 RPM (188.50 rad/s), 230/460v, TEFC, 56 frame.
- 6470712** ¾ HP (.560 kw), 60 Hz, 1800 RPM (188.50 rad/s), 200v, TEFC, 56 frame.

Model 1150-A 15" Drill Press

CONTROLS

1 Phase

- 2398523** Magnetic Controls
- 2398525** Magnetic Controls w/24v Transformer.
- 2398527** Manual Controls

3 Phase

- 2398230** JIC Controls

- 2398522** Manual Controls
- 2398524** Magnetic Controls
- *2398526** Magnetic Controls w/24v Transformer.

*May be specified with 110v transformer.

OPTIONAL ACCESSORIES

- 2028013** Mortise Attachment, complete with hold-down, wt. 11 lbs (5.0 kg).
- 2028067** Vari-Slo Attachment. Field installation only.
- 2192003** Foot Feed, wt. 32 lbs. (14.5 kg).
- 2212005** Flange for mounting Column on Table, Wt. 9 lbs. 8 oz. (4.3 kg).
- 2250122** Guard.
- 2277004** Table Raising Mechanism (old style).
- 2277104** Head Raising Mechanism. Wt. 14 lbs. 4 oz. (6.5 kg).
- 2391010** Coolant Parts Assembly. Consists of nozzle valve, column mounting clamp and hose assembly. Wt. 10 lbs. (4.5 kg). One required for each spindle.
- 2640018** Spindle, Assembly #2 Morse Taper complete with bearings. Wt. 7 lbs. (3.2 kg).
- 2640017** Spindle Assembly, #33 Taper complete with bearings. Less: Jacobs Chuck. Wt. 7 lbs. (3.2 kg).
- 2797008** Tilting Table 10" x 14" (254.00 mm x 355.60 mm). Wt. 33 lbs. (15.0 kg).
- 2797033** Production Table for Floor Model, 12" x 18" (304.80 mm x 457.20 mm). Wt. 79 lbs. (35.8 kg).
- 2432004** Center table leg (4 spindle table).
- 3042121** Base for Single Spindle Floor Model, wt. 60 lbs. (27.2 kg).
- 3096008** Safety Collar for Head or Table. Wt. 2 lbs. 4 oz. (1.1 kg).
- 3098208** Column, Multiple Spindle, 42" (1066.80 mm), wt. 19 lbs. (8.6 kg).
- 3098209** Column, Floor Model, 66" (1676.40 mm), Wt. 31 lbs. (14.1 kg).
- 3797029** Production Table for Bench Model, 14 1/2" x 16" (368.30 mm x 406.40 mm) working surface. Wt. 87 lbs. (39.5 kg).
- 6023003** Adaptor Arbor for #6118013 Chuck.
- 6116001** Hollow Chisel, 1/4" (6.35 mm).
- 6116003** Hollow Chisel, 3/8" (9.52 mm).
- 6116005** Hollow Chisel, 1/2" (12.70 mm).
- 6118013** 0" to 1/2" (12.70 mm) Chuck.
- 6118005** 0" to 1/2" (12.70 mm) Chuck, #33 Taper, with locking collar. Wt.
- 6160002** Coolant Pump and Tank. Wt. 37 lbs. (16.8 kg).
- 6220003** Hollow Chisel Bit only, 1/4" (6.35 mm).
- 6220005** Hollow Chisel Bit only, 3/8" (9.52 mm).
- 6220007** Hollow Chisel Bit only, 1/2" (12.70 mm).
- 6448005** Adjustable Work Light. Wt. 10 oz. (.3 kg).
- 6856003** Angle Vise, 2 1/2" (63.50 mm) capacity. Wt. 9 lbs. (4.1 kg).
- 6856004** Straight Vise, 2 1/2" (63.50 mm) capacity. Wt. 6 lbs. (2.7 kg).
- 6856005** Straight Vise, 3" (76.20 mm) capacity. Wt. 7 lbs. (3.2 kg).
- 3694005** Leveling screws.

SPECIFICATIONS

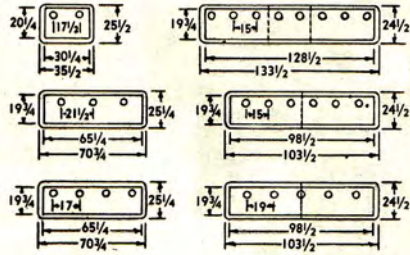
- Spindle; steel . . . 10-spine, #2 Morse Taper or #33 Jacobs Taper with 0" - 1/2" (12.70 mm) capacity chuck
- Spindle travel 6" (152.40 mm)
- Quill diameter 2 3/16" (55.56 mm)
- Column diameter. 3" (76.20 mm) O.D.
- Column length, floor model 66" (1676.40 mm)
- Column length, bench model 42" (1066.80 mm)
- Column, wall thickness. 3/16" (4.76 mm)
- Table working surface:
 - Tilting table 10" x 14" (254.00 mm x 355.60 mm)
 - Production table. 12" x 18" (304.80 mm x 457.20 mm)
- Base working surface 8 1/2" x 12" (215.90 mm x 304.80 mm)
- Capacity in cast iron. 5/8" (15.88 mm)
- Capacity in steel 1/2" (12.70 mm)
- Throat depth Drills to center of 15" (381.00 mm) dia.
- Spindle nose to:

	TABLE	BASE
Floor Model—Production Table	37 1/4"	47 1/4"
Floor Model—Tilt Table.	41"	46 1/4"
Bench Model.	21 3/4"	
- Key Chuck to:

Floor Model—Production Table	36 3/4"	47 1/4"
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- Floor Model—Tilt Table 40 1/2" x 46"
- Bench Model 21 1/4"
- T-Slots use standard T Bolts. 1/2"
- Spindle Speeds:
 - Variable Speed Models
 - 1800 RPM (188.50 rad/s) motor:
 - 475 RPM (49.74 rad/s) to 4800 RPM (502.66 rad/s)
 - 1200 RPM (125.66 rad/s) motor:
 - 317 RPM (33.20 rad/s) to 3200 RPM (335.10 rad/s)
- Step Pulley Models
 - 1800 RPM (188.50 rad/s) 400 RPM (41.89 rad/s), 840 RPM (87.96 rad/s), 1580 RPM (165.46 rad/s), 2800 RPM (293.22 rad/s), 5300 RPM (555.02 rad/s)
 - 1200 RPM (125.66 rad/s) 260 RPM (27.2 rad/s) 560 RPM (58.6 rad/s), 1050 RPM (109.9 rad/s), 1875 RPM (196.3 rad/s), 3550 RPM (371.6 rad/s)
- Height, floor model 66" (1676.40 mm)
- Height, bench model. 42" (1066.80 mm)

Model 1150-A 15" Drill Press



0"-1/2" chuck W/33 taper with locking collar 6118005
0"-1/2" standard chuck 6118013
#2 to 33 mt adaptor arbor 6023003



Mounting Flange. Available for special installations. Part No. 2212005.



Lamp—a valuable aid in precise work 6448005.

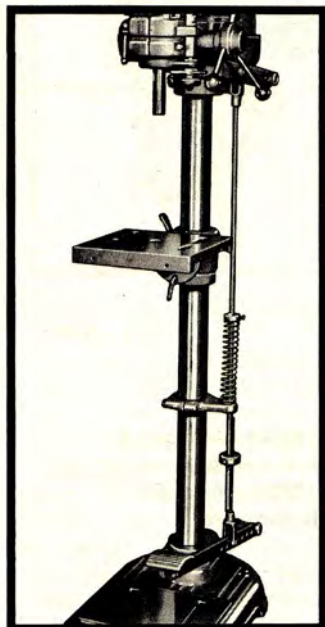
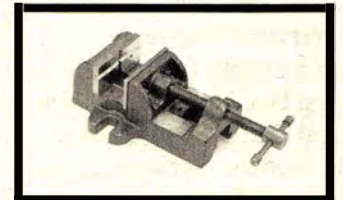
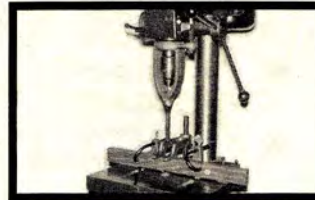


Pump and Tank — Part No. 6160002
Coolant Parts Assembly — Part No. 2391010

Centrifugal action . . . delivers large volume of liquid at low pressure . . . seals and bearings above liquid . . . Flow may be controlled or shut off without damage to motor . . . No priming needed . . . Coolant Pump complete with 115 V., 60 Cycle, AC, 1800 RPM (188.50 rad/s) motor. Coolant parts assembly: Nozzle, valve, column mounting clamp and flexible hose, coolant piping and table clamps.

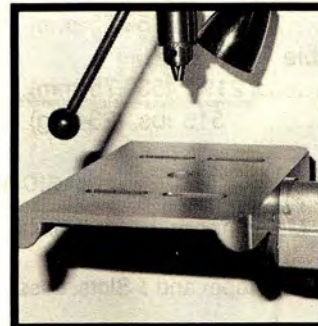
Mortising Attachment securely positions stock for all mortising operations. Part No. 2028013.

Straight Vise with accurately machined faces locks stock securely. Available in 2 1/2" (63.50 mm) and 3" (76.20 mm) capacities. Part No. 6856004—2 1/2" (63.50 mm). Part No. 6856005—3" (76.20 mm).

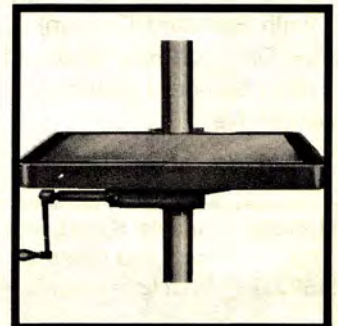


Spring-Balanced Foot Feed with depth-stop frees operator's hands for unusual drilling jobs. Part No. 2192003.

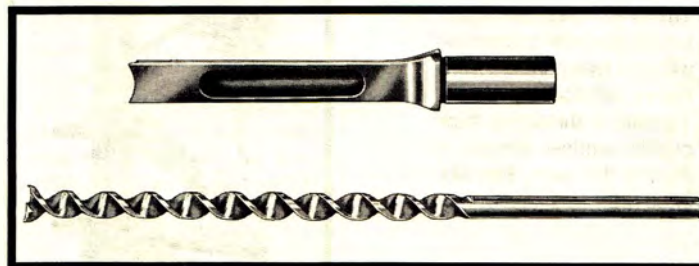
Tilting Vise, with precision machined faces, is quickly adjustable for drilling stock at virtually any angle. Part No. 6856003.



Tilting Table Tilts 90 degrees right or left for any angle boring job. Provides 10" x 14" (254.00 mm x 355.60 mm) working surface slotted for tooling. Part No. 2797008

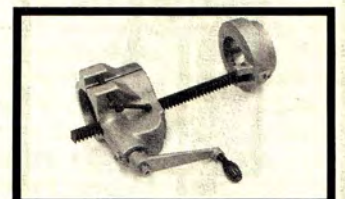


Production Table provides extra large 12" x 18" (304.80 mm x 457.20 mm) working surface, precision machined for extra drilling accuracy. Includes raising mechanism. Part No. 2797033.



Hollow Chisel and Bits available for every specialized mortising application. Choose from 1/4" (6.35 mm), 3/8" (9.52 mm), and 1/2" (12.70 mm) sizes.

Table and Head-Raising Mechanisms are quick, positive . . . easily operated crank operates worm gear on column rack.



Model 1150-A 15" Drill Press

All machines performance tested before shipment

Specifically designed for the pattern, machine shop, and maintenance department operator . . . Large 26" x 36" table working surface to handle large or awkward shaped parts easily and precisely. These models are available with plain tables for free movement of fixturing, or T-slotted for standard 1/2" T Bolt anchor.

SPECIFICATIONS

Spindle Speeds:

Variable speed models: High Speed
(with 1800 RPM (188.50 rad/s) Motor)
. . . . 475 RPM (49.74 rad/s)-4800 RPM (502.66 rad/s)

Step-pulley models:

High Speed 400 RPM (4189 rad/s), 840 RPM (87.96 rad/s),
1580 RPM (165.46 rad/s), 2800 RPM (293.22 rad/s)
5300 RPM (555.02 rad/s)
with 1800 RPM (188.50 rad/s) Motor

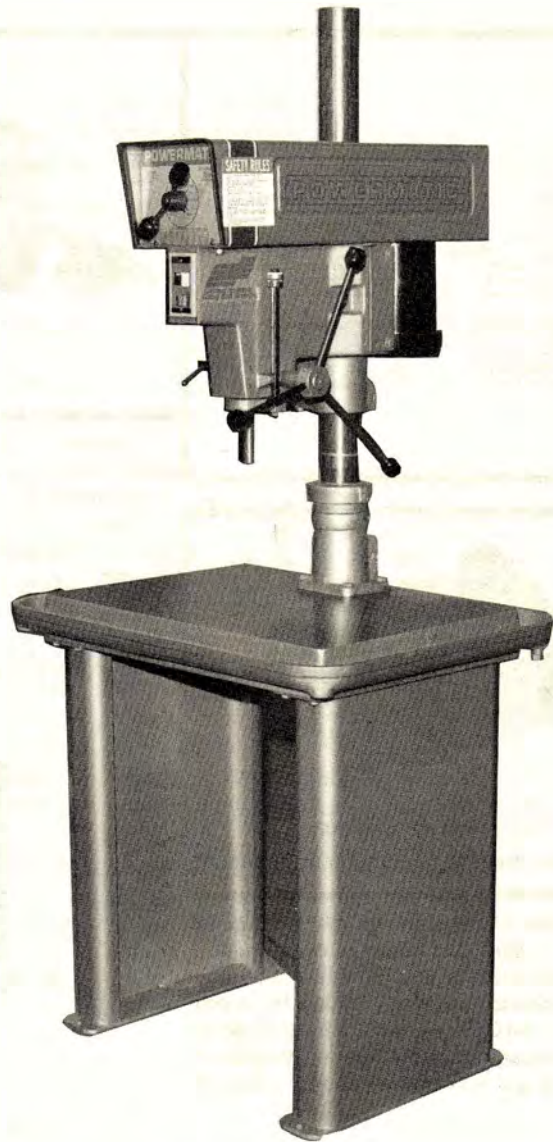
Vari-Slo Attachment Speeds . . . 100 RPM (10.47 rad/s) to
4600 RPM
(481.71 rad/s)

Quill Diameter 2³/₁₆" (55.56 mm)
Stroke 6" (152.40 mm)
Column Diameter 3" (76.20 mm)
Column Wall Thickness 3¹/₁₆" (4.76 mm)
Column Length (standard) 42" (1066.80 mm)
Largest Dia. Hole in Cast Iron 5¹/₈" (15.88 mm)
Largest Dia. Hole in Steel 1¹/₂" (12.70 mm)
Table Working Surface 20" x 30"
(508.00 mm x 762.00 mm)

Max. Distance, #2 MT Spindle Nose to Table
(with Standard Column) 21³/₄" (552.45 mm)

Max. Distance Key Chuck to Table
(with Standard Column) 21¹/₄" (539.75 mm)

Weight, Net 516 lbs. (234 kg)



BASIC MACHINES

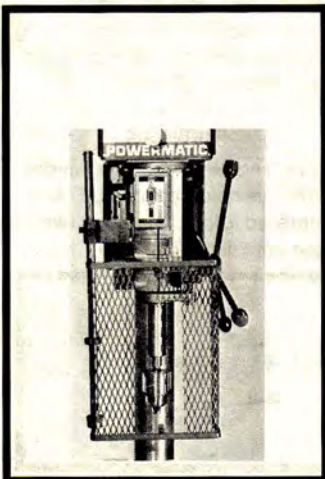
1150250 Variable Speed with #2 Morse Taper. Less: T-Slots, Motor and Controls.

1150252 Variable Speed with #2 Morse Taper and T-Slots. Less:

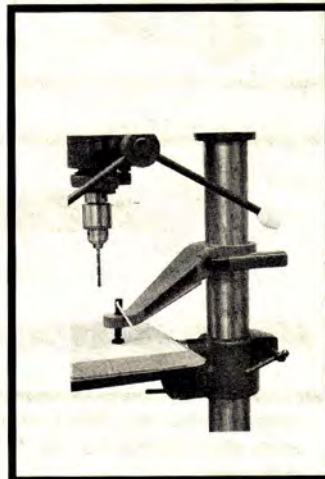
Motor and Controls.

NOTE: See pages 47 and 48 for Motors, Controls and Accessories.

ADDITIONAL ACCESSORIES



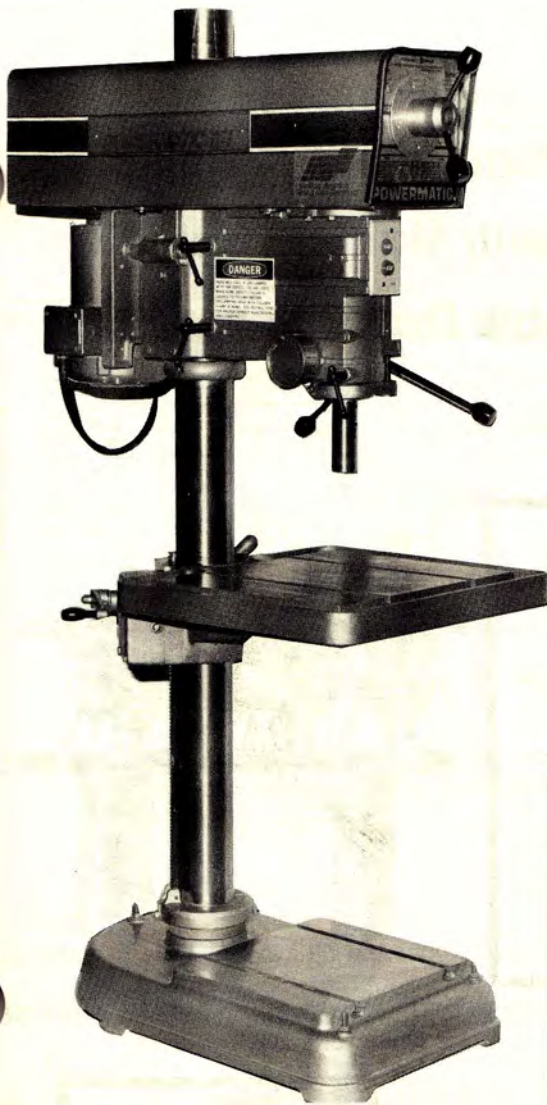
The Drill Press guard provides operator protection with grid type panels set in a heavy self-locking frame. Visibility is through a thick plastic window directly in front of the work. Part No. 2250122.



6122040—Auto-vise for 15" drill press.

6122041—Auto-Vise for 20" drill press.

Model 1200 20" Drill Press



Change Speed Instantly . . .
Check Speed Instantly

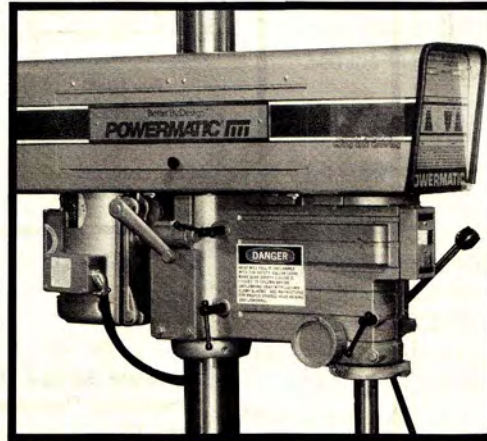
Powermatic Variable Speed Model with QUICK-SET SPEED SELECTOR AT EYE-LEVEL

No belts to handle when you change spindle speed! Just a twist of the accurately-calibrated variable speed control lets you choose speed instantly while machine runs.

Speed ranges from 135 RPM (14.14 rad/s) to 1350 RPM (141.37 rad/s) with 1200 RPM (125.66 rad/s) motor . . . and 200 RPM (20.94 rad/s) to 2000 RPM (209.44 rad/s) increase drilling accuracy and bit life.

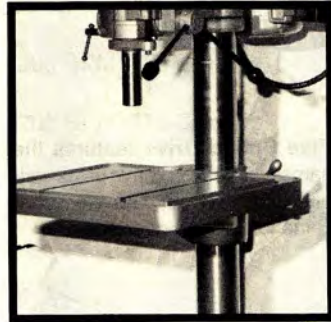
FIVE SPEED MODEL with Exclusive Counter-Shaft Drive

Utilizing an inter-pulley drive concept, this five-speed model offers the widest range of speeds available today. The combination of ultra-slow speed (100 RPM with 900 RPM motor (10.47 rad/s with 94.25 rad/s)) to high speed (1500 RPM with 1800 RPM motor (178.08 rad/s with 188.50 rad/s)) affords a flexibility of speed ranges previously unavailable for complicated multiple spindle production lineups.

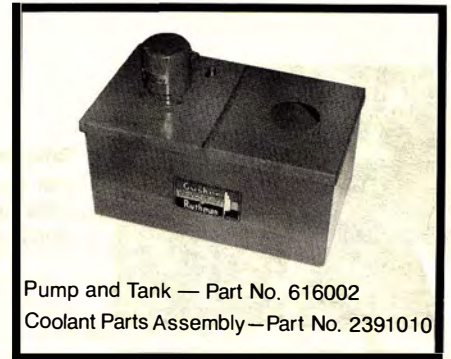


Time Saving, Variable Speed POWER FEED

The variable speed mechanical feed unit now available featuring infinitely variable feed speeds from .004" (.102 mm) to .012" (.30 mm) per-spindle-revolution! Speed is adjusted with convenient handle on feed housing . . . easy-to-check, eye-level speed indicator. Feed rate is maintained for all spindle speeds. Drills to any desired depth, controlled by limit-switch on depth-stop indicator. Part No. 2192013.



Extra Heavy 4" (101.60 mm) Column is 1/2" (12.70 mm) thick precision-ground steel, assuring rigid top and bottom support for heavy duty, cast iron head assembly. Available lengths 42" (1066.80 mm) (standard bench model), 66" (1676.40 mm) (standard floor model) or 78" (1981.20 mm).



Pump and Tank — Part No. 616002
Coolant Parts Assembly—Part No. 2391010

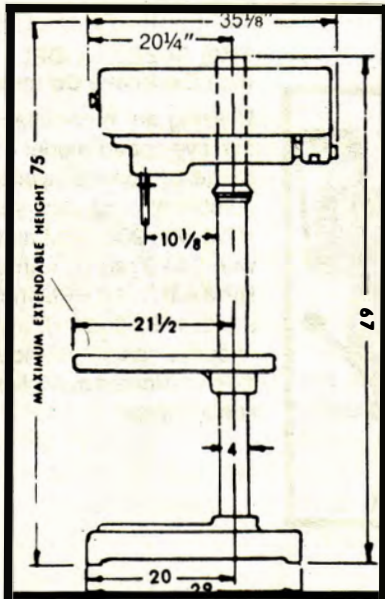
COOLANT PUMP Cuts Production Costs . . .

Centrifugal action . . . delivers large volume of liquid at low pressure . . . seals and bearings above liquid . . . Flow may be controlled or shut off without damage to motor . . . No priming needed . . . Coolant Pump complete with 115 V, 60 Cycle, AC, 1800 RPM (188.50 rad/s) motor. Coolant parts assembly: nozzle, valve, column mounting clamp and flexible hose, coolant piping and table clamps.

Model 1200 20" Drill Press

Advanced design, rugged construction and big capacity combine to make the Powermatic 20" Drill Press a versatile performance-leader for the heaviest work loads. Utilizing optional accessories, specialized units for every production requirement can be easily developed in multiple spindles or single units.

Easily movable, units can be quickly shifted to meet changing production line requirements. Low investment and maintenance costs bring giant savings to industrial plants, schools, metal working, pattern and maintenance shops for all types.



Increase Production . . . Raise Efficiency with Multiple Spindle or Large Table Drill Presses

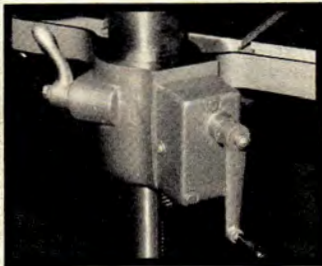
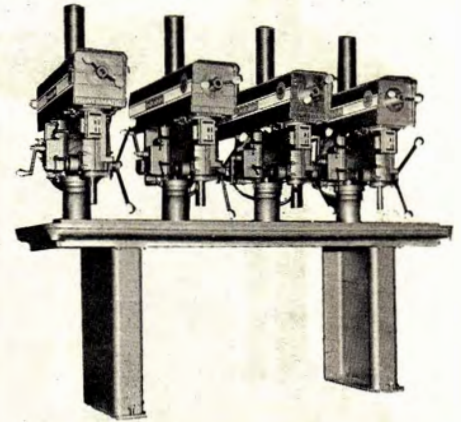
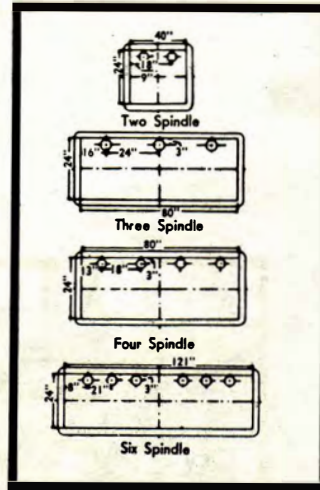
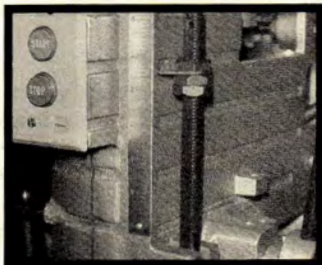
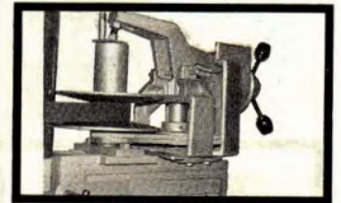


Table-Raising Mechanism is fast and accurate . . . crank-operated utilizing worm gear. Part No. 2797012.

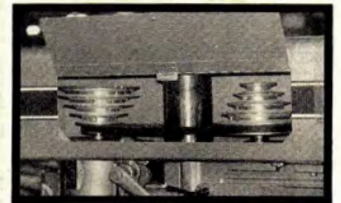


Micrometer—Type depth gauge assures depth accuracy with precision, eye-level calibrations. Easy to set, easy to see!

Variable Speed Drive—This "Powermatic Pioneered" drive features 10 to 1 V/S pulleys and a unique countershaft drive for slow speed non-slip drive.



Five Speed Drive features the same countershaft drive of the variable speed head. The ideal machine for drill-tap operations.



6 Spine Spindle of carbon steel is mounted in four heavy-duty sealed ball bearings to absorb both radial and vertical thrust. Standard spindle taper is #3 Morse.



Safety Control Switch is front-mounted for operator convenience. Guarded push-button design helps prevent accidental starts.



HOW TO ORDER MULTIPLE SPINDLE FLOOR AND BENCH MODELS

SPEED AND MOTOR SPECIFICATIONS	Floor Model Titrating Table		Floor Model Production Table		Bench Model Production Table		Two Spindle		Three Spindle		Four Spindle		Six Spindle		Eight Spindle	
	Variable	Step Pulley	Variable	Step Pulley	Variable	Step Pulley	Variable	Step Pulley	Variable	Step Pulley	Variable	Step Pulley	Variable	Step Pulley	Variable	Step Pulley
*Hand Feed Less Mtr. and Switch	1202010 582 lbs (263.9 kg)	1202260 552 lbs (250.3 kg)	1203010 600 lbs (272.5 kg)	1203260 570 lbs (258.5 kg)	1203510 485 lbs (219.9 kg)	1203760 400 lbs (181.4 kg)	1204010 1270 lbs (575.9 kg)	1204260 1240 lbs (562.3 kg)	1205010 2040 lbs (925.0 kg)	1205260 1950 lbs (884.3 kg)	1206010 2330 lbs (1056.7 kg)	1206260 2210 lbs (1002.2 kg)	1208010 3515 lbs (1594.0 kg)	1208260 3335 lbs (1512.4 kg)	1209010 4640 lbs (2104.2 kg)	1209260 4400 lbs (1995.4 kg)

NOTE: ALL MULTIPLE SPINDLE MODELS INCLUDE HEAD RAISING MECHANISMS AND LEGS.
V/S MACHINES PRICED LESS MOTOR FOR MOTOR EXCHANGE PURPOSES—NOT AVAILABLE LESS MOTOR.

MULTIPLE SPINDLE T-SLOTTED TABLE DRILL PRESSES

STANDARD EQUIPMENT	Two Spindle		Three Spindle		Four Spindle		Six Spindle		Eight Spindle	
T-Slotted Tables, Less: Motor and Controls.	Variable 1204050 1270 lbs (575.9 kg)	Step Pulley 1204040 1240 lbs (562.3 kg)	Variable 1205050 2040 lbs (925.0 kg)	Step Pulley 1205040 1950 lbs (884.3 kg)	Variable 1206050 2330 lbs (1056.7 kg)	Step Pulley 1206040 2210 lbs (1002.2 kg)	Variable 1208050 3515 lbs (1594.0 kg)	Step Pulley 1208040 3335 lbs (1512.4 kg)	Variable 1209050 4640 lbs (2104.2 kg)	Step Pulley 1209040 4400 lbs (1995.4 kg)

PRICE IS RIGHT

1203780 Model 1200 Drill Press, variable speed, floor model complete with production table, 1½ HP, 3 PH, 1800 RPM motor and manual switch. 230 volt only, please.

1203790 Model 1200 Drill Press, variable speed, floor model complete with production table, 1½ HP, 1 phase, 1800 RPM motor and manual switch. 230 volt only please.

HEAD ASSEMBLIES

1200010 Head Assembly, hand feed, variable speed, belt, pulley. Less: Motor, switch and head raising mechanism. Wt. 370 lbs (167.8 kg).

1200260 Head Assembly, hand feed. 5-speed, belt and pulleys. Less: Motor, switch and head raising mechanism. Wt. 340 lbs (154.2 kg).

MOTORS

1 Phase

- 6470912** 1 HP (.746 kw), 60 Hz, 1200 RPM (125.66 rad/s), 115/230v, TEFC, 145T frame.
6471301 1½ HP, (1.119 kw), 60 Hz, 1800 RPM (188.50 rad/s), 115/230v, TEFC, 145T frame.

3 Phase

- 6470901** 1 HP (7.46 kw), 60 Hz, 1200 RPM (125.66 rad/s), 230/460v. TEFC, 145T frame.
6471026 1 HP (7.46 kw), 60 Hz, 1800 RPM (188.50 rad/s), 200v. TEFC, 143T frame.
6471027 1 HP (7.46 kw), 60 Hz, 1800 RPM (188.50 rad/s), 230/460v. TEFC, 143T frame.
6471206 1-1/2 HP (1.119 kw), 60 Hz, 1200 RPM (125.66 rad/s), 200v. TEFC, 182T frame.
6471207 1-1/2 HP (1.119 kw), 60 Hz, 1200 RPM (125.66 rad/s), 230/460v. TEFC, 182T frame.

- 6471304** 1-1/2 HP (1.119 kw), 60 Hz, 1800 RPM (188.50 rad/s), 230/460v. TEFC, 145T frame.
6471322 1-1/2 HP (1.119 kw), 60 Hz, 1800 RPM (188.50 rad/s), 200v. TEFC, 145T frame.
6471603 2 HP (1.492 kw), 60 Hz, 1800 RPM (188.50 rad/s), 230/460v. TEFC, 145T frame.
6471617 2 HP (1.492 kw), 60 Hz, 1800 RPM (188.50 rad/s), 200v. TEFC, 145T frame.

3 Phase, 2-Speed

- 6473012** 2 & 1 HP (1.492 & .746 kw) 60 Hz, 1800 & 900 RPM (188.50 & 94.25 rad/s), 230/460v, O.D.P. 184T frame.

CONTROLS

1 Phase

- 2398178** Magnetic Controls, 115/230v.
2398183 Switch, 115/230v.
***2398492** Magnetic Controls, 115/230v, w/24v transformer.

3 Phase

- **2398171** Magnetic Reverse Starter, Pushbutton w/limit switches 200/230/460/575 v.
****2398172** Manual Reverse Switch, 200/230/460/575 v.
***2398174** Magnetic Controls, 200/230/460/575 v., w/24v. transformer.
2398180 Magnetic Controls, 200/230/460/575 v.
2398182 Switch, 200/230/460/575 v.
2398230 JIC Controls, 200/230/460/575 v.
2398428 Multiple Speed, 2-speed switch, 200/230/460/575v.

- **2398506** Magnetic Reverse Starter, w/3 station pushbutton, w/o limit switch, 200/230/460/575v.

Special Controls for High Reversing Motors

- **2398171** Magnetic Reverse Starter, push button, w/limit switches, 200/230/460/575 v.
**** + 2398478** Magnetic Rev. w/trans. 200/230/460/575 v. w/o limit switches.
6821137 Reverse limit switch, (2 required).
9100002 Conduit in lieu of standard wiring.

*May be specified with 110v transformer.

+ + Does not include limit switches.

**Reversing controls not recommended for variable speed models.

Model 1200 20" Drill Press

OPTIONAL ACCESSORIES

- 2192013** Mechanical Feed, Wt. 80 lbs. (36.3 kg).
2212006 Flange, with screws for mounting column on table. Wt. 15 lbs (6.8 kg).
2250119 Guard, hand feed drill presses.
2250125 Guard, power feed drill press.
2277005 Head raising mechanism. Wt. 20 lbs. (9.1 kg).
2383001 0" to 1/2" (12.70 mm) chuck with adapter for No. 3 Morse Taper. Wt.
2391010 Coolant Assembly for 1-spindle, consisting of Nozzle, Valve, Manifold and Hose Assembly.
2391011 Coolant Assembly for 2-spindle, consisting of Nozzle, Valve, Manifold and Hose Assembly.
2391012 Coolant Assembly for 3-spindle, consisting of Nozzle, Valve, Manifold and Hose Assembly.
2391013 Coolant Assembly for 4-spindle, consisting of Nozzle, Valve, Manifold and Hose Assembly.
2423003 Steel Legs for mounting production tables. Height 27" (685.80mm) (each) Wt. 55 lbs. (24.9 kb).
2423008 Middle leg (6 & 8 spindle table).
2423009 Center post (4 spdl. table).
2797012 Table raising mechanism (standard with floor model) Wt. 21 lbs (9.5 kg).
2797018 Production table 24" x 121" (609.60 mm x 3073.40 mm), ground surface for six spindles, 3 legs required. Wt. 1240 lbs. (562.3 kg).
2797026 Production table with parallel T-slots, 15 1/2"x18" (393.70 mm x 457.20 mm) ground surface. Wt. 119 lbs. (54.0 kg).
2797028 Tilting table 16" x 18" (406.40 mm x 457.20 mm), ground surface, column bracket and tilting scale. Less: Raising mechanism. Wt. 101 lbs. (45.8 kg).
2797127 6 spindle T-slot table. 3 legs required.
3096039 Safety collar.
3098004 Column, 4" x 66" (101.60 mm x 1676.40 mm). (Standard on floor models). Wt. 103 lbs. (46.7 kg).
3098005 Column, 4" x 42" (101.60 mm x 1066.80 mm). (Standard on bench models). Wt. 66 lbs. (29.9 kg).
3098007 Column, 4" x 78" (101.60mm x 1676.40mm). Wt. 122 lbs. (55.3 kg).
3694006 Leveling screw (2 required per leg)
3797012 Center section, 24" x 42" (609.60 mm x 1016.00 mm), drilled and tapped for 2 spindles, to make 8 spindle table. Wt. 335 lbs (151.9 kg)
3797028 Production Base Bench Model, 18" x 25" (457.20mm x 635.00 mm) ground surface. Wt. 121 lbs. (167.8 kg) 2 legs required
3797035 Production Table 24" x 40" (609.60 mm x 1016.00 mm), ground surface for 2 spindles. Wt. 370 lbs. (378.7 kg) 2 legs required.
3797064 2 Spindle T-Slot Table
3797065 4 Spindle T-Slot Table
6023008 # 3 M.T. to #2 M.T. sleeve
6160002 Coolant Pump and Tank. Wt. 37 lbs. (16.8 kg)
6448005 Adjustable Work Lamp. Wt. 10 oz. (.3 kg)
6856001 Drill Press Vise, 4 1/2" (114.30mm) capacity. Wt. 12 lbs., 5 oz. (5.6 kg)
6856002 Drill Press Vise, tilting. Wt. 33 lbs. (15.0 kg).

SPECIFICATIONS

Spindle Speeds:	Height Bench Model (max.)	51" (1295.40 mm)
Variable Speed Model	Front to rear	33 1/2" (850.90 mm)
High Speed, 1800 RPM (188.50 rad/s) Motor	Width tilting table	18" (457.20 mm)
RPM (20.94 - 209.44 rad/s)	Width production table	22" (558.80 mm)
Slow Speed, 1200 RPM (125.66 rad/s) Motor	Working surface, prod. table	15 1/2" x 18" (393.70 mm x 457.20 mm)
RPM (14.14 - 141.37 rad/s)	Column length, floor model	66" (1676.40 mm)
2-Speed, 1800/900 RPM (188.50/94.25 rad/s)	Column length, bench model	42" (1066.80 mm)
RPM (10.47 rad/s), 2000 RPM (209.44 rad/s)	Column Diameter	4" x 1/2" (101.60 mm x 12.70 mm) wall thick
Step Pulley Model	Largest dia. hole in steel, 1 HP (.746 kw)	3/4" (19.05 mm)
1800 RPM (188.50 rad/s) Motor	Largest dia. hole in cast iron, 1 HP (.746 kw)	1" (25.4 mm)
RPM (25.13 rad/s), 380 RPM (39.79 rad/s),	Largest dia. hole in steel, 1 1/2 HP (1.119 kw)	7/8" (22.22 mm)
600 RPM (62.83 rad/s), 900 RPM (94.25 rad/s),	Largest dia. hole in cast iron, 1 1/2 HP (1.119 kw)	1 1/8" (28.58 mm)
1500 RPM (157.08 rad/s)	Spindle Nose to:	TABLE BASE
1200 RPM (125.66 rad/s) Motor	Floor Model	35 3/8" 45 1/2"
RPM (16.76 rad/s), 260 RPM (27.23 rad/s),	Bench Model	25 1/4"
400 RPM (41.89 rad/s), 610 RPM (63.88 rad/s),	Multiple Spindle T-slots	8 7/8" Centers
1000 RPM (104.72 rad/s)	T-Slots use standard T- bolts.	1/2"
Quill Diameter	Spindle Nose to Production Table	25 1/4"
RPM (69.85 mm)	Chuck to table	31 5/8"
Spindle	Chuck to base	41 1/4"
#3 M.T., 6 spline	Chuck to Production table	21 1/8"
RPM (30.16 mm)	T-Slots	9/16" top 1" bottom
Base Working Surface		
13 1/2 x 18" (342.90 mm x 457.20 mm)		
Stroke		
6" (152.40 mm)		
Dimensions:		
Height, Floor Model (max.)		
75" (127.00 mm)		

Model 1200 Drill Press Specials

All machines performance tested before shipment.



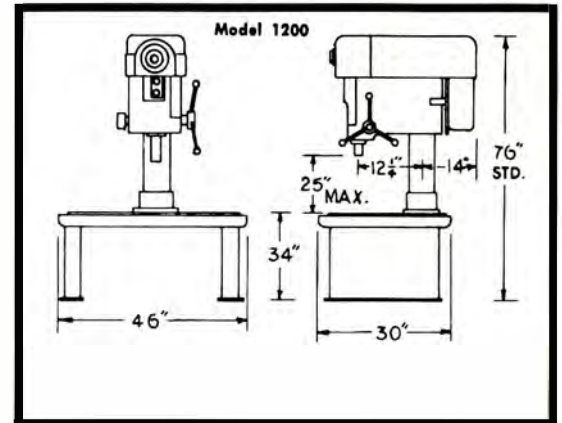
EQUIP WITH THE BEST . . . for the maximum **PRODUCTIVITY**, minimum **DOWNTIME**, unexcelled **PERFORMANCE** and unequalled **PRECISION**.

Powermatic 20-inch Drill Presses have been developed over a twenty-five year span, by dedicated people who devote time and effort to the details that make fine products.

Just a few of those important reasons for equipping with Powermatic Drill Presses are: the additional weight, the rugged construction, the carefully machined spindles, the sealed ball bearings, the wide variety of tables, the variety of columns, the large number of motors and controls and the care and skill which comes with twenty-five years of manufacturing experience.

Superior performance is assured by sealed lubricated for life ball bearings, precision ground spindles of solid steel, 6 spline spindles and dynamically balanced pulleys.

Users everywhere, in all applications, depend on Powermatic.



MODEL LISTINGS

- 1200300** 1 spindle, production table, step pulley. Less: Motor and controls.
- 1200330** 1 Spindle, production table, variable speed. Less: Motor and Controls.
- 1200340** 1 Spindle, Production table with T-Slots, Step Speed.

- Less: Motor and Controls.
- 1200350** 1 Spindle, Production Table with T-Slots, Variable Speed. Less: Motor and Controls.

Note: See pages 53 and 54 for motors and controls.

SPECIFICATIONS

Spindle Speeds:

Variable Speed Model

- High Speed, 1800 RPM (188.50 rad/s) Motor 200 - 2000 RPM (20.94 - 209.44 rad/s)
- Slow Speed, 1200 RPM (125.66 rad/s) Motor 135 - 1350 RPM (14.14 - 141.37 rad/s)

- 2-Speed, 100 - 1000 RPM (10.47 - 104.72 rad/s) and 200 - 2000 RPM (20.94 - 209.44 rad/s)

Step Pulley Model

- with 1800 RPM (188.50 rad/s) Motor
- High Speed 240 RPM (25.13 rad/s), 380 RPM (38.79 rad/s), 600 RPM (62.83 rad/s), 900 RPM (94.25 rad/s), 1500 RPM (157.08 rad/s)
- with 1200 RPM (125.66 rad/s) Motor

- Slow Speed 160 RPM (16.76 rad/s), 260 RPM (27.23 rad/s), 400 RPM (41.89 rad/s), 610 RPM (63.88 rad/s), 1000 RPM (104.72 rad/s)

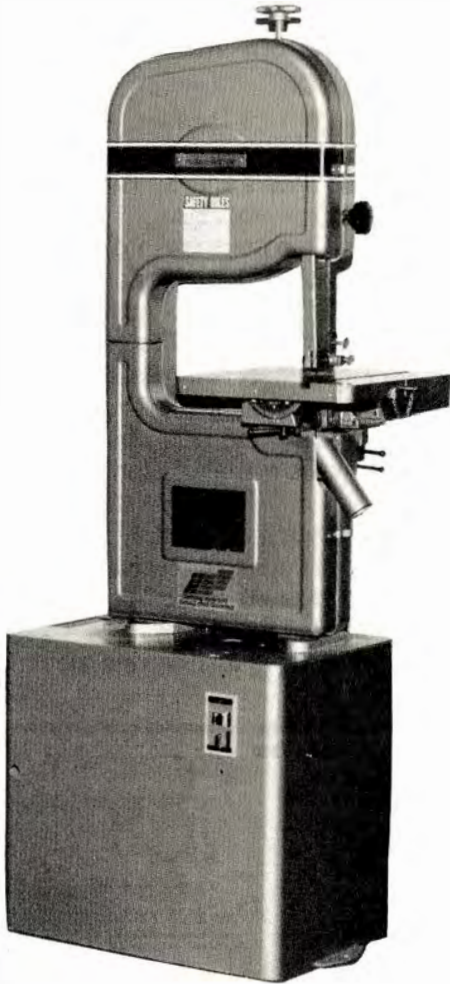
- Quill Diameter 2 3/4" (69.85 mm)
- Stroke 6" (152.40 mm)
- Column Diameter 4" (101.60 mm)
- Column Wall Thickness 1/2" (12.70 mm)
- Column Length (Standard) 42" (1066.80 mm)
- Largest dia. hole in cast iron 1 1/8" (28.58 mm)
- Largest dia. hole in steel 7/8" (22.22 mm)
- Table Working Surface 24" x 40" (609.60 mm x 1016.00 mm)
- Max. Distance, Spindle Nose to Table (with standard column) 25 1/4" (641.35)
- Weight, Net 746 lbs. (338.3 kg)

Model 141 14" Woodcutting Band Saw

All Machines Performance Tested Before Shipment

HEAVIER . . . SMOOTHER RUNNING

Leading the field in performance . . . rugged, versatile, dependable . . . POWERMATIC Model 141 Band Saw, through precise engineering, offers the outstanding performance required for every type of band sawing operation. The advanced design of the rugged one-piece, box type frame casting makes it the heaviest 14" Band Saw available. The weight, vibrationless operation, and perfect alignment gives the smoothest performance ever, and insures years of trouble free operation.



Rip fence—optional for precision ripping and resawing.

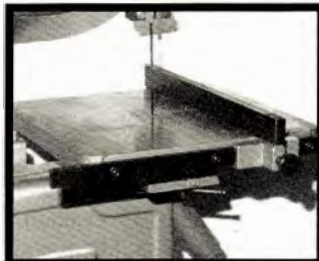
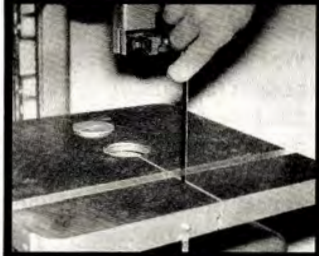


Table trunnion—heavy duty, widely spaced table trunnion assures positive lock and maximum table rigidity at any degree of tilt. Large, easy to read tilt scale located at the front of the trunnion.



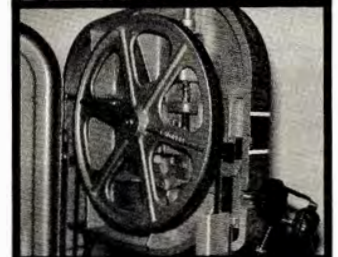
Side Takeout Slot for band saw blade eliminates the necessity of split or narrow trunnions. Tapered pin keeps table surface flat.



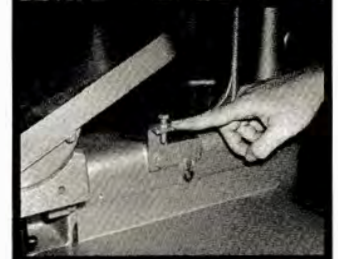
Eye level blade tension scale shows correct tension for different blade widths. Adjustable from front of machine.



Massive box-type casting houses dynamically balanced wheel for smooth operation.



Swivel type table stop. Positive table stop at 90 degrees is easily moved to a 15 degree left tilt.



Ball bearing side and backup bearings reduce blade fatigue as much as 50% on all non-ferrous materials.



FLEXIBILITY, SAFETY AND ADVANCED FEATURES

Model 141 14" Woodcutting Band Saw

FEATURES

FRAME: Massive, box-type, one piece, cast iron frame, ribbed and cross ribbed for maximum rigidity and trouble-free service.

WHEELS: Heavy duty cast iron upper and lower wheels, precision machined and dynamically balanced for smooth running. Crowned rubber tires provide positive grip preventing blade slippage.

TABLE: Huge 15" x 15" (381.00 mm x 381.00 mm) cast iron table, ground for true accuracy and equipped with side take-out to permit use of a one piece rip-fence guide rail. Tilts 45 degrees right - 15 degrees left, with positive stop at 90 degrees.

TRUNNION: Wide spaced cast iron and steel trunnion assures positive locking of table. An easy to read "sight" scale is mounted on front of trunnion for quick, positive tilt adjustment.

SAW GUIDES: Top saw guide is fitted with back-up ball bearings

and ball bearing side guides. Lower guide utilizes back-up ball bearing and 45 degree hardened steel side guides. Lower guide is just below table surface for maximum blade support.

GUARDS: All moving parts are completely guarded. Only the operating portion of the blade is exposed. Large deep drawn steel doors enclose upper and lower wheels.

SAW BLADE ADJUSTMENT: Blade tension is adjusted with conveniently located handwheel, spring loaded to absorb shock and maintain equal tension of the blade. A tension scale, located at eye-level, indicates proper blade tension.

DRIVE: Non-slip V-belt for utmost efficiency in any work load range. Drive, motor, and "V" belt are completely enclosed in a rugged steel floor stand.

STANDARD EQUIPMENT

Model 141 Band Saw: 1/4" (6.35 mm) blade, ball bearing guides, wheel guards, blade guards, arbor pulley, motor pulley, V-belt and

exhaust chute.

BASIC MACHINE

1410010 14" Band Saw, complete with all standard equipment. Less: Motor, controls, stand, motor pulley and V-belt.

POWERSTAR

1410040 Model 141 Band Saw complete with all standard equipment, plus stand, 3/4 HP, 1 Phase motor, work lamp, and manual switch. 115 volt only please.

1410050 Model 141 band saw complete with all standard equipment, plus stand, 3/4 HP, 3 phase motor, work lamp, and manual switch. 230 volt only please.

MOTORS

1 Phase
6470700 3/4 HP (.560 kw), 60 hz, 1800 RPM (198.50 rad/s), 115/230v., TEFC, 56 frame.

3 Phase
6470707 3/4 Hp (.560 kw), 60 Hz, 1800 RPM (198.50 rad/s), 230/460., TEFC, 56 frame.

6470712 3/4 Hp (.560 kw), 60 Hz, 1800 RPM (198.50 rad/s), 200v., TEFC, 56 frame.

Controls

1 Phase
2398114 Switch, 115/230v.
2398336 Magnetic Controls, 115/230v.
***2398487** Magnetic Controls, 115/230v, w/24 transformer.

2398118 Magnetic Controls, 200/230/460/575v.
2398230 JIC Controls, 200/230/460/575v.
***2398435** Magnetic Controls, 200/230/460/575v, w/24v, transformer

*May be specified with 110v transformer.

OPTIONAL ACCESSORIES

2195015 Rip Fence, wt. 8 lbs. (3.6 kg)
2250087 Guard (retrofit) wt. 4 oz. (.2 kg).
2253040 Lower guide assembly, wt. 3 lbs. (1.4 kg).
2253060 Upper guide assembly, wt. 3 lbs. (1.4 kg)
2471010 Miter gauge, wt. 3 1/2 lbs. (1.6 kg)
2028073 Circle Cutting attachment
2759064 Floor stand, wt. 57 lbs. (25.8 kg).

6080002 1/4" (6.35 mm) wide band saw blade, wt. 6 oz. (.2 kg).
6080003 3/8" (9.52 mm) wide band saw blade, wt. 6 oz. (.2 kg).
6080004 1/2" (12.70 mm) wide band saw blade, wt. 8 oz. (.2 kg).
6080005 3/4" (19.05 mm) wide band saw blade, wt. 12 oz. (.3 kg).
6448005 Work light, wt. 8 oz. (.2 kg).

NOTE: See page 68 for blade welders.

SPECIFICATIONS

Capacity: Blade to column distance 14" (355.60 mm)
Under guide 6 1/2" (165.10 mm)
Blade Speed 3000 SFM (15.24 m/s)
Overall Height (on stand) 71 3/4" (1822.45 mm)
Width 25 1/2" (647.70 mm)
Front to Back 13 1/4" (336.55 mm)
Table Size 15" x 15" (381.00 mm x 381.00 mm)
Table height from floor 42" (1066.80 mm)

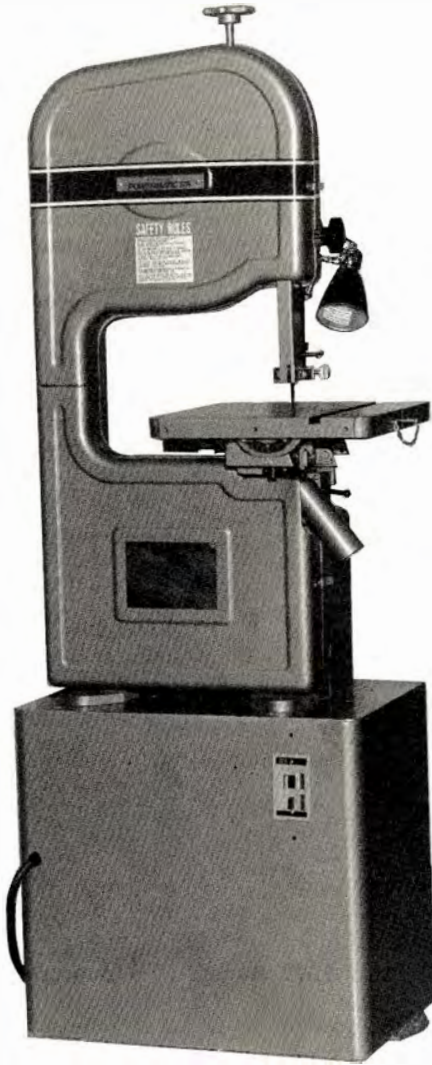
Table tilt 45 degrees right, 15 degrees left
Blade width, maximum 3/4" (19.05 mm)
Blade length 96" - 94" (2438.40 mm - 2387.60 mm)
Weight, crated, less stand 225 lbs (102.0 kg)
Weight, crated, with stand and motor 355 lbs (161.0 kg)
Export, boxed, with stand and motor 39.9 cu ft. (1.129 m3)
. 450 lbs. (204.1 kg) App.

Model 143 14" Combination Band Saw

All machines performance tested before shipment.

RUGGED . . . BIG CAPACITY . . . A VERSATILE PERFORMANCE LEADER . . .

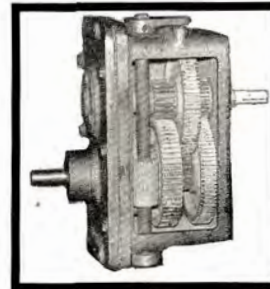
Combining careful design, rugged cast iron construction and big capacity, the Powermatic Model 143 combination wood and metal Band Saw is equally adaptable to the machine shop, tool room, foundry, pattern or school shop, or wherever exacting performance is required. Loaded with quality features, the Model 143 Band Saw is the ultimate for production needs . . . and its pricing and features make it truly a good value.



MACHINE SHOWN WITH STANDARD EXHAUST CHUTE

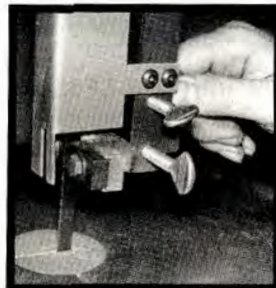


Belt-Tension control. Swing-away action provides quick, simple belt tension control. Lever located outside of belt housing permits belt adjustment in a minimum of time.



Heavy Duty Precision Gear Train is constantly bathed in non-foaming oil. All shafts are mounted in sealed ball bearings assuring long life and trouble-free operation.

Side Takeout Slot for band saw blade eliminates necessity of split or narrow trunnions. Tapered pin keeps table surface flat.



Welder. Blade welder and grinder for quick blade repair and installation. Portable only.



Saw Guides. Rugged, dependable hardened steel side guides with ball bearing back-up guarantee accuracy. Lower angular guide places guide just below table surface for maximum blade control.

Blade Guard. Extends the protected blade area to the work piece, minimizing blade exposure to workable tolerances.

Eye level blade tension scale shows correct tension for different blade widths. Adjustable from front of machine.

Model 143 14" Combination BAND SAW

FEATURES

FRAME: Massive, box-type, one piece cast iron frame, ribbed and cross ribbed for maximum rigidity and trouble free service.

TRANSMISSION: Smooth ball bearing design throughout . . . a massive, quick-change two speed gear box constantly bathed in oil for noiseless, long life operation. The two-speed transmission and step pulley drive provide any of eight speeds from 40 to 3000 SFM (.203 m/s to 15.240 m/s) for cutting a variety of metals, plastics and wood.

WHEELS: Heavy duty cast iron upper and lower wheels are precision machined and dynamically balanced for smooth running. Crowned rubber tires provide positive grip preventing blade slippage.

TABLE: A huge 15" x 15" (381.00 mm x 381.00 mm) cast iron table, ground for true accuracy is equipped with side take-out permitting use of a solid rip fence guide rail. Tilts 45 degrees right—15 degrees left with positive stop at 90 degrees.

TRUNNION: Wide-spaced cast iron and steel trunnion assures positive locking of table. An easy to read "sight" scale is mounted on front of table for quick, positive tilt adjustment.

SAW GUIDES: The top saw guide is fitted with backup ball bearing and large hardened steel side guides. Lower guide also utilizes backup ball bearing with angular hardened steel side guides. This design places lower guide just below table surface for maximum blade control.

GUARDS: All moving parts are completely guarded. Only the operating portion of the blade is exposed. Large deep drawn steel doors enclose upper and lower wheels.

SAW BLADE ADJUSTMENT: Blade tension is adjusted with conveniently located handwheel, springloaded to absorb shock and maintain even tension of the blade. A tension scale, located at eye-level, indicates proper blade tension.

STANDARD EQUIPMENT

Model 143 Band Saw: 2-speed transmission, belt guards, driven belt, 3/8" (9.52 mm) blade, wheel blade guards, hardened steel guides, driven pulley, drive belt and exhaust chute.

BASIC MACHINES

1430020 14" Band Saw, complete with all standard equipment. Less: Motor, controls and stand.

NOTE: MACHINE NOT SOLD LESS STAND

PRICE IS RIGHT

1430030 Model 143 Band Saw complete with all standard equipment, plus stand, 3/4 HP, 1 phase motor, work lamp and manual switch. 115 volt only, please.

1430040 Model 143 Band Saw complete with all standard equipment, plus stand, 3/4 HP, 3 phase motor, work lamp and manual switch. 230 volts only, please.

MOTORS

1 Phase

6470700 3/4 HP (.560 kw), 60 Hz, 1800 RPM (188.50 rad/s), 115/230v., TEFC, 56 frame.

TEFC, 56 frame.

3 Phase

6470707 3/4 HP (.560 kw), 60 Hz, 1800 RPM (188.50 rad/s), 230/460v.,

6470712 3/4 HP (.560 kw), 60 Hz, 1800 RPM (188.50 rad/s), 200v, TEFC, 56 frame.

CONTROLS

1 Phase

2398114 Switch, 115v.

2398336 Magnetic Controls, 115/230v.

***2398487** Magnetic Controls, 115/230v, w/24 transformer.

3 Phase

2398115 Switch, 200/230/460/575v.

2398118 Magnetic Controls 200/230/460/575v. Class 1 only.

***2398230** Magnetic Controls, 200/230/460/575v.

2398435 Magnetic Controls, 200/230/460/575 v, w/24v

*May be specified with 110v transformer.

OPTIONAL ACCESSORIES

1990010 Band Saw Welder with case and grinder for blades up to 1/2" (12.70 mm), 115v, wt. 59 lbs. (26.8 kg).

1990020 Band Saw Welder with case and grinder for blades up to 3/4" (19.05 mm), 230v, wt. 59 lbs. (26.8 kg).

1990030 Band Saw Welder with case and grinder for blades up to 3/4" (19.05 mm), 460v, wt. 59 lbs. (26.8 kg).

1990040 Band Saw Welder with case and grinder for blades up to 3/4" (19.05 mm), 575v, wt. 59 lbs. (26.8 kg).

2195015 Rip Fence, wt. 8 lbs (3.6 kg).

2471010 Miter gauge, wt. 3 1/2 lbs (1.6 kg).

2250087 Guard (retrofit), wt. 1 lb. (.45 kg).

6080008 1/4" (6.35 mm) wide band saw blade, wt. 6 oz. (.2 kg).

6080009 3/8" (9.52 mm) wide band saw blade, wt. 6 oz. (.2 kg).

6080010 1/2" (12.70 mm) wide band saw blade, wt 8 oz. (.23 kg).

6080011 3/4" (19.05 mm) wide band saw blade. Wt. 12 oz. (.3 kg).

6448005 Work light, wt. 10 oz. (3 kg).

2379001 Dust chute (retrofit), wt. 1 lb. (.45 kg).

2759064 Floor Stand.

2028073 Circle Cutting Attachment.

NOTE: See page 68 for blade welders.

SPECIFICATIONS

CAPACITY: Blade to column distance 14" (355.60 mm)
Under guide 6 1/2" (165.10 mm)

Speeds: motor

With 1800 RPM (188.50 rad/s) 40SFM (.203m/s),
60SFM (.305 m/s), 100SFM (.508 m/s), 160SFM (.813 m/s),
750SFM (3.810 m/s), 1200SFM (6.096 m/s), 1800SFM
(9.144 m/s), 3000SFM (15.240 m/s)

Overall Height (on stand) 71 3/4" (1822.45 mm)

Width 25 1/2" (647.70 mm)

Front to Back 13 1/2" (336.55 mm)

Table Size 15" x 15" (381.00 mm x 381.00 mm)

Table height from floor 42" (1066.80 mm)

Table tilt 45 degrees right, 15 degrees left

Blade width, maximum 3/4" (19.05 mm)

Blade length 94" - 96" (2387.60 mm - 2438.40 mm)

Weight, domestic crated, w/stand and motor 395 lbs (179.1 kg)

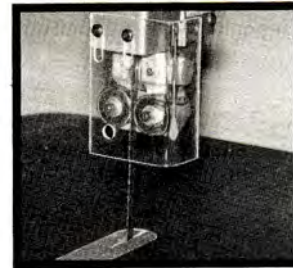
Export, boxed, with stand and motor 41.5 cu ft. (1.174 m3)

. 575 lbs (260.8 kg) App.

Model 81 20" Woodcutting Band Saw

Accuracy in every operation

Powermatic precision means exacting engineering and design to assure superior accuracy in every band saw job you do. Powermatic dependability means years of rugged service on the production line or job shop operation. With a balance combining rigid heavy gauge sheet steel and cast iron construction, the Powermatic Model 81 has all moving parts enclosed to help insure safety.

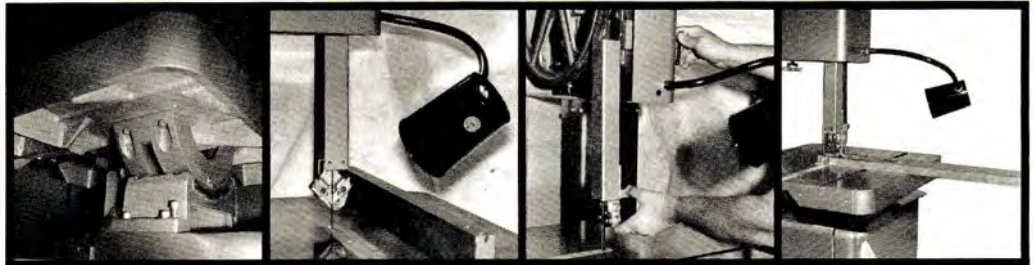


Blade Guard. This heavy duty standard plastic guard extends the area of blade protection to the top of the work piece.

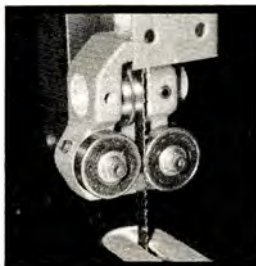
Crowned tires for accurate blade tracking are vulcanized to rim for extra life.



Heavy-Duty 6" (152.40 mm) Single Action Trunnion affords maximum rigidity. Fast, sure table adjustment 45 degrees right, 15 degrees left, positive 90 degree stop.



Friction-Free Ball Bearing Guides top and bottom increase blade life, adjust to fit any type of blade.



Optional Work Light. Flexible work-lamp, ideal for spotlighting working surface. #6448003.

Counter-balanced blade arm means maximum safety for operator, stock and machine during depth changes.

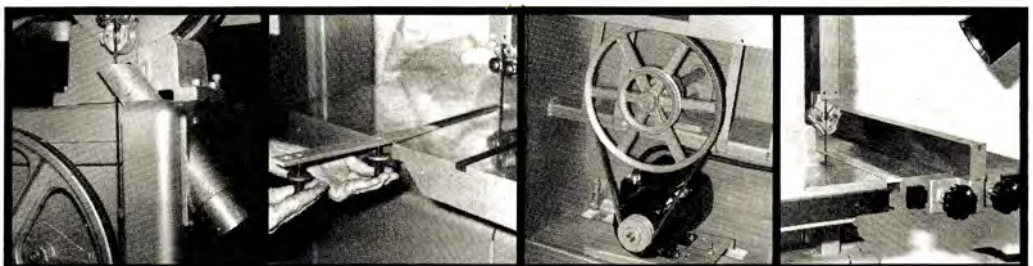
Optional Circle Cutting Attachment. Cuts circles and arcs with ease. #2028073

Table Insert Quickly Removed for fast blade change. Note deep flange on precision-machined table for extreme rigidity.

Full enclosed motor and drive assures longer motor life. Top and bottom wheels easily accessible through front doors.

Optional Simplified Rip Fence Mounting on machined and drilled front edge of table. #2195001.

Exhaust Chute. This standard exhaust chute scavenges most of the dust particles from inside the saw, reducing clean-out periods and improving saw performance.



Model 81 20" Woodcutting BAND SAW

FEATURES

FRAME: Welded design of rugged reinforced steel . . . nothing die cast.

TABLE: Ground to precision tolerance. Mounted on heavy-duty trunnion to tilt 45 degrees right, 15 degrees left. Front edge machined and drilled for mounting rip fence.

WHEELS: Made of finest machined castings, dynamically balanced and fitted with vulcanized tires. Upper and lower wheels run in lubricated-for-life ball bearings.

DRIVE: Belt driven two speed, powered by 1800 RPM (188.50 rad/s) motor mounted on adjustable motor base.

BRAKE: Standard with manually operated foot brake. An exclusive brake

interlock with switch is available as an option for use with magnetic controls.

SAW BLADE ADJUSTMENT: Conveniently located handwheel for blade tension adjustment. Spring mechanism absorbs shock and maintains uniform tension on the blade.

SAW GUIDES: Top and bottom saw guides are ball bearing to assure minimum friction and increased blade life.

GUIDE ARM: Rugged, counter-balanced guide arm allows effortless adjustment of saw guides—yet maintains unsurpassed rigidity.

STANDARD EQUIPMENT

Model 81 Band Saw: Blade and wheel guards, 3/8" (9.52 mm) blade, foot brake, dust chute, blade tension control, ball bearing blade guides, counter-

balanced guide arm, motor mount bracket, driven pulley, motor pulley, and belts. Less: motor and controls.

BASIC MACHINE

1810010 20" Band Saw, complete with all standard equipment. Less: motor and controls.

1810020 20" Band Saw, complete with all standard equipment, 24" (609.60 mm) under guide. Less: motor and controls.

PRICE IS RIGHT

1810030 Model 81 Band Saw complete with all standard equipment, plus 1" blade capacity, 2 HP, 3 phase motor, magnetic controls and work lamp. 230 volt only, please.

1810040 Model 81 Band Saw complete with all standard equipment, plus 1" blade capacity, 1 1/2 HP, 1 phase motor, magnetic controls and work lamp. 230 volt only, please.

MOTORS

1 Phase

6471301 1 1/2 HP (1.119 kw), 60 Hz, 1800 RPM (188.50 rad/s), 115/230v, TEFC, 145T frame.

6471627 2 HP (1.492 kw), 60 Hz, 1800 RPM (188.50 rad/s), 230v., TEFC, special 182T frame.

3 Phase

6471026 1 HP (.746 kw), 60 Hz, 1800 RPM (188.50 rad/s), 200v, TEFC, 143T frame.

6471027 1 HP (.746 kw), 60 Hz, 1800 RPM (188.50 rad/s), 230/460v, TEFC, 143T frame.

6471304 1 1/2 HP (1.119 kw), 60 Hz, 1800 RPM (188.50 rad/s), 230/460v, TEFC, 145T frame.

6471322 1 1/2 HP (1.119 kw), 60 Hz, 1800 RPM (188.50 rad/s), 200v, TEFC, 145T frame.

6471603 2 HP (1.492 kw), 60 Hz, 1800 RPM (188.50 rad/s), 230/460v, TEFC, 145T frame.

6471617 2 HP (1.492 kw), 60 Hz, 1800 RPM (188.50 rad/s), 200v, TEFC, 145T frame.

CONTROLS

1 Phase

2398007 Magnetic Controls, 115/230v.

2398414 Switch, 115/230v.

***2398483** Magnetic Controls, 115/230v, w/24 transformer.

3 Phase

2398001 JIC Controls, 200/230/460/575v.

2398011 Magnetic Controls, 200/230/460/575v.

***2398015** Magnetic Controls, 200/230/460/575v, w/24 transformer.

2398156 Switch, 200/230/460/575v.

9100002 Conduit in lieu of standard wiring.

*May be specified with 110v transformer.

OPTIONAL EQUIPMENT

2028073 Circle Cutting Attachment.

2195001 Rip Fence, wt. 2 lbs. (10.0 kg).

2397031 Dust Chute (retrofit), wt. 1 lb. (.45 kg).

2397032 Guard, wt. 4 oz. (.2 kg).

2398513 Foot Brake interlock with switch to provide power shut-off (available with magnetic starter only).

2471010 Miter Gauge, wt. 3 1/2 lbs. (1.6 kg).

6077160 Belt, hi-speed, A-41.

6077161 Belt, lo-speed, A-55.

6080014 1/4" (6.35 mm) wide Band Saw blade. Wt. 8 oz. (.2 kg).

6080015 3/8" (9.52 mm) wide Band Saw blade, wt. 8 oz. (.2 kg).

6080016 1/2" (12.70 mm) wide Band Saw blade, wt. 8 oz. (.2 kg).

6080017 3/4" (19.05 mm) wide Band Saw blade, wt. 8 oz (.2 kg).

6339002 Carter Guide Set (2 required).

6448003 Flexible Work Light, wt. 10 oz. (.3 kg).

NOTE: See page 68 for blade welders.

SPECIFICATIONS

Table size 3" x 24" x 24"
(76.20 mm x 609.60 mm x 609.60 mm)

Table in front of blade 11 1/2" (292.10 mm)

Table tilt 45 degrees right, 15 degrees left

Wheel size 1 1/4" x 20" (31.75 mm x 508.00 mm)

Blade to column distance 19 3/4" (501.65 mm)

Maximum depth of cut under guide . . . 12" (304.80 mm) and 24" (609.60 mm)

Maximum width blade recommended 3/4" (19.05 mm)

Maximum adjustment of blade 1 1/2" (38.10 mm)

Length of blade 149" - 152" (3784.60 mm - 3860.80 mm)

Wheel speeds 900 RPM (94.25 rad/s), 4500 SFM (22.860 m/s)
400 RPM (41.89 rad/s) 2000 SFM (10.160 m/s)

Motor power recommended, (V- belt drive)

. 1 to 2 HP (.746 to 1.492 kw), 1800 RPM (188.50 rad/s)

Overall height 76" (1930.40 mm)

Table height from floor 41 1/2" (1054.10 mm)

Weight, domestic crated, with motor 895 lbs. (405.9 kg) app.

Weight, export boxed, with motor (94.4 cu ft (2.672 m3))

. 1090 lbs (494.3 kg)

20" METAL CUTTING BAND SAW

All machines performance tested before shipment.

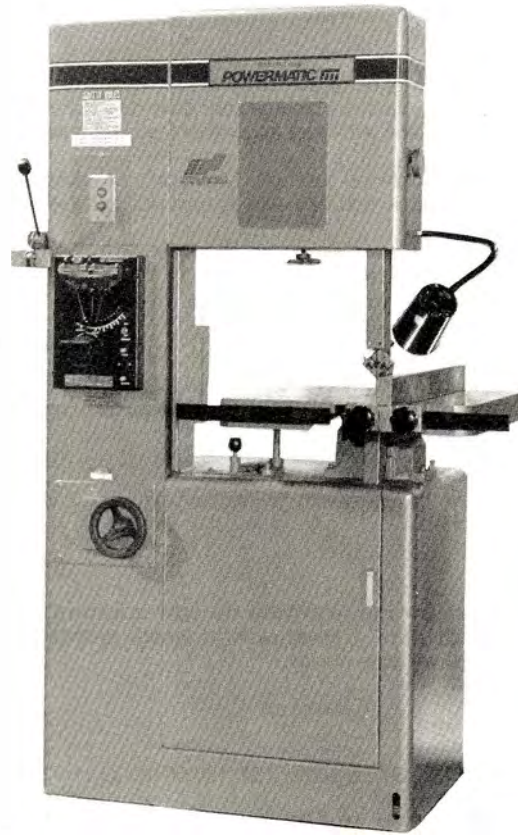
CHECK THESE IMPORTANT EXTRA VALUE FEATURES

CHECK SPEED INSTANTLY . . .
CHANGE SPEED INSTANTLY . . .
FROM 47 TO 5200 SFM (.239 m/s to 26.416 m/s)

Match the speed to the material to be cut . . . instantly! No time-wasting speed-change-over necessary. Just dial the correct speed and get a smooth cut every time.

Rugged, precision construction assures years and years of dependable performance in cutting all types of ferrous and non-ferrous metals . . . wood, plastic and similar materials.

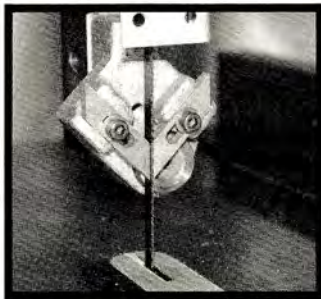
A special two-speed transmission is powered by enclosed helical gears running in a continuous bath of oil. A self-adjusting torque limiter prevents overloading.



CHECK THESE IMPORTANT EXTRA VALUE FEATURES



Heavy Duty 6" (152.40 mm) single-action trunnion for maximum rigidity. Adjust table 45 degrees right, 15 degrees left.



Upper and lower guide blocks with M-2 steel faced back-up bearings are standard with the Model 87. One set of 3/8" (9.52 mm) inserts only is supplied as original equipment.

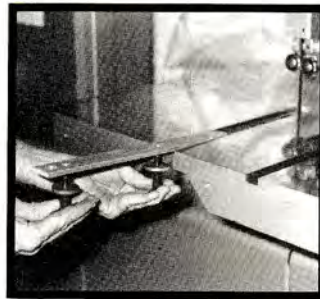
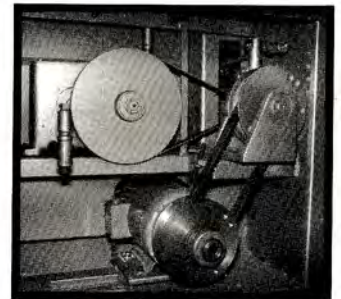


Table-insert stock guide is essential for many high production operations. Standard equipment.



Quick-set speed selector mechanism, transmission, motor and drive mechanism are completely enclosed in the base.



Blade Guard. This standard heavy duty plastic guard extends the area of blade protection to the top of the work piece.



Convenient, removable chip pan is located just below lower wheel.



Counter-balanced guide bar makes guide and blade adjustment safe and simple. Note telescoping guard enclosing blade above guide.



Front-mounted control center within easy reach activates entire variable speed range. No belts to change . . . hand-wheel controlled speed.

All machines performance tested before shipment.

Model 87 20" Metal Cutting Band Saw



EXCLUSIVE . . .

QUIK - SET

SPEED SELECTOR

(STANDARD EQUIPMENT)

Just a quick turn of the convenient hand-wheel and you accurately dial any speed from 47 SFM (.239 m/s) to 5200 SFM (26.416 m/s). Highly important when stock changes are frequent and extreme accuracy must be maintained. Exclusive in the Powermatic price range!

EXTRA SAFETY

—streamlined in design with all moving parts guarded. Blade exposed only from guide to table!

PRECISION ENGINEERED

—combining practical shop requirements with the finest operating features.

RUGGED CONSTRUCTION

—built of tough, heavy-duty steel plate. Sturdy reinforcement at all points of stress assures maximum rigidity, accuracy and dependability even under the most extreme operating conditions.

SPECIFICATIONS

Blade to column guard distance	19 $\frac{3}{4}$ " (501.65 mm)	Blade length	149" (3784.00 mm) to 152" (3860.80 mm)
Maximum depth of cut under guide	12" (304.80 mm)	Blade speed	47SFM (.239 m/s) to 5200 SFM (26.416 m/s)
Table size	3" x 24" x 24" (76.20 mm x 609.60 mm x 609.60 mm)	Overall height	76" (1930.40 mm)
Wheel size	20" x 1 $\frac{1}{4}$ " (508.00 mm x 31.75 mm)	Floor space required	39" by 24" (990.60 mm x 685.80 mm)
Table tilt, right	45 degrees	Weight, net, less motor	1000 lbs (453.5 kg)
Table tilt, left	15 degrees	Weight, domestic crated	1300 lbs (589.6 kg)
Blade width	$\frac{3}{8}$ " (9.52 mm) (Usable Maximum $\frac{3}{4}$ " (19.05 mm) Minimum $\frac{1}{16}$ " (1.59 mm))	Weight, export boxed	1560 lbs (707.5 kg)

20" METAL CUTTING BAND SAW

FEATURES

FRAME: Rugged sheet steel construction, braced for maximum rigidity—no die castings.

TABLE: 24" x 24" (609.60 mm x 609.60 mm) precision ground grey iron, with 3" (76.20 mm) machined flange, removable table insert. Tilts 45 degrees right, 15 degrees left on 6" (152.40 mm) wide grey-iron trunnion assembly with single lock and positive 90 degree stop.

WHEELS: Dynamically balanced cast iron wheels run in lubricated-for-life ball bearings.

GUARDS: Completely enclosed moving parts; counter-

balanced, telescoping upper blade guard.

BLADE ADJUSTMENT: Convenient handwheel adjusts blade tension. Visible tension scale assures proper adjustment. Spring mechanism absorbs shock, maintains uniform tension. Optional chip blower furnishes air jet to working area.

GUIDES: 45 degree angle guides, carbo nitrided powdered iron inserts correspond to blade size in use. Heat treated tool steel backup ring.

DRIVE: Infinitely variable 47 to 5200 SFM (.239 m/s to 26.416 m/s), by variable speed dial. 2 speed oil bath transmission.

STANDARD EQUIPMENT

Blade and wheel guards, 3/8" (9.52 mm) blade, chip pan, blade tension control, 45 degree angle guide with one set only 3/8" (9.52 mm) inserts. Counter balanced guide arm, T-slotted

table, motor mount bracket, driven pulley, motor pulley and belt. Less: motor and controls.

BASIC MACHINES

1870150 Model 87 Band Saw complete with all standard equipment. Less: motor and controls.

1870180 Special high neck Model 87 Band Saw, 24" under

guide, complete with all standard equipment. Less: motor and controls.

PRICE IS RIGHT

1870183 Model 87 Band Saw complete with all standard equipment plus 1" blade capacity, 3 HP 3 phase

motor, magnetic control, blade welder, blade shear and work lamp. 230 volt only, please.

MOTORS

1 Phase

6471301 1½ HP (1.119 kw), 60 Hz, 1800 RPM (188.50 rad/s), 115/230v, TEFC, 145T frame.

6471627 2 HP (1.492 kw), 60 Hz, 1800 RPM (188.50 rad/s), 230v, TEFC, Special 182T frame.

3 Phase

6471304 1½ HP (1.119 kw), 60 Hz, 1800 RPM (188.50 rad/s), 230/460v, TEFC, 145T frame.

6471322 1½ HP (1.119 kw), 60 Hz, 1800 RPM (188.50 rad/s), 200v, TEFC, 145T frame.

6471603 2 HP (1.492 kw), 60 Hz, 1800 RPM (188.50 rad/s), 230/460v, TEFC, 145T frame.

6471617 2 HP (1.492 kw), 60 Hz, 1800 RPM (188.50 rad/s), 200v, TEFC, 145T frame.

***6471916** 3 HP (2.238 kw), 60 Hz, 1800 RPM (188.50 rad/s), 200/230/460v, TEFC, special 182T frame.

CONTROLS

1 Phase

2398007 Magnetic Controls, 115/230v.

2398414 Switch, 115/230v.

***2398483** Magnetic Controls, 115/230v, w/24v transformer.

3 Phase

2398001 JIC Controls, 200/230/460/575v.

2398011 Magnetic controls, 200/230/460/575v.

***2398015** Magnetic controls, 200/230/460/575v, w/24v transformer.

2398156 Switch, 200/230/460/575v.

9100002 Conduit in lieu of standard wiring.

*May be specified with 110v transformer.

OPTIONAL ACCESSORIES

2028002 Blade filing clamp, wt. 12 oz. (.3 kg).

2028003 Automatic power feed attachment.

2028073 Circle cutting attachment, wt. 7 lbs. 11 oz. (3.5 kg).

2109001 Blade shear, wt. 4 lbs. (1.8 kg).

2195001 Rip fence, wt. 22 lbs. (10.0 kg).

2253068 Lower guide with guide post; less: inserts.

2253071 Upper guide; less: inserts.

2253073 90 degree twist bracket kit.

2253074 Angle feed block for hand or screw feed, wt. 7 lbs. (3.2 kg).

2266001 Screw feed attachment, wt. 9 lbs. 8 oz. (4.3 kg).

2395005 Chip blower, wt. 15 lbs. (6.8 kg).

2397031 Exhaust chute.

2397032 Guard (retro fit).

2400001 Work light with transformer.

2403005 Guide insert set (4 each of 5 sets, 1/8" (3.18 mm) thru 3/4" (19.05 mm)).

2403007 45 degree angle guide set (twists blade to 45 degree angle). Wt. 1 lb. (.45 kg).

2471010 Miter gauge, wt. 4 lbs. (1.8 kg).

2846001 1/2" (12.70 mm) welder with grinder, 115v, wt. 55 lbs. (24.9 kg).

2846002 1" (25.40 mm) welder with grinder, 230v, wt. 55 lbs. (24.9 kg).

2846006 1" (25.40 mm) welder with grinder, 460v, wt. 55 lbs. (24.9 kg).

2846007 1" (25.40 mm) welder with grinder, 575v, w/ transformer, wt. 55 lbs. (24.9 kg).

3328040 Table insert, wt. 2 lbs. (.9 kg).

3328216 1/8" (3.18 mm) guide inserts, (4 required).

3328217 1/4" (6.35 mm) guide inserts, (4 required).

3328218 3/8" (9.52 mm) guide inserts, (4 required).

3328219 1/2" (12.70 mm) guide inserts, (4 required).

3328220 3/4" (19.05 mm) guide inserts, (4 required).

6080020 1/4" (6.35 mm) band saw blade.

6080021 3/8" (9.52 mm) band saw blade.

6080022 1/2" (12.70 mm) band saw blade.

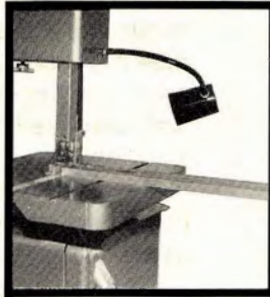
6080103 3/4" (19.05 mm) band saw blade.

OPTIONAL ACCESSORIES FOR ADDED FLEXIBILITY

**Precision
Performance,
Extra Safety
On . . . Every Job**



Screw Feed Attachment, fitted to table insert, offers maximum in feed control and safety for cutting smaller stock. Part No . . . 2266001.



New Circle Cutting Attachment. Retrofits on any band saw cuts from 2" to 6' diameters. Also great for arcs. Part No. 2028037.



Exhaust Chute. This optional exhaust chute scavenges most of the dust and particles from inside the saw, reducing clean-out periods and improving saw performance. Optional equipment. Part No . . . 2397031.

Engineered Powermatic accessories are available to cover every band saw operation, faster, more accurately and with safety. Powermatic time and money saving accessories increase the flexibility of the Model 87 Band Saw by meeting all manual band saw job requirements.



Blade Welder and grinder is front mounted for quick accurate blade repair and installation. See page 68 for full information. Part Numbers . . . 2846001 (115 volt); 2846002 (230 volt); 2846006 (460 volt); 2846007 (575 volts).



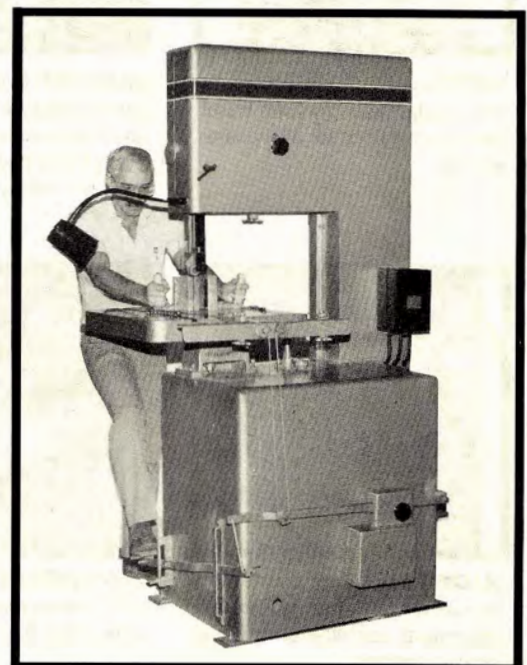
Flex mount work lamp keeps work area well lighted. Move easily to any position. Flexible chip blower is also available. Part No. . . . 2400001.



Rip Fence securely mounted quickly and easily. Part No. . . . 2195001.

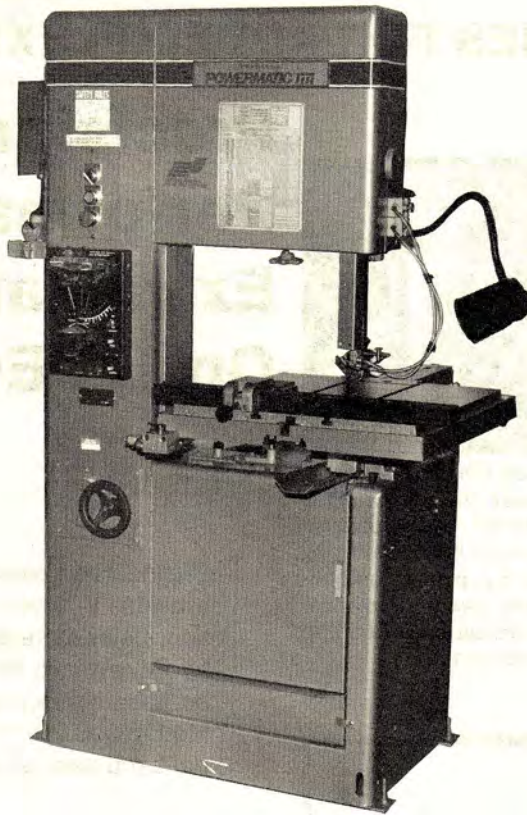
AUTOMATIC POWER FEED available (OPTIONAL EQUIPMENT) Part No. 2028003.

Tremendous time and labor saver on production line operations! Stock moves perfectly along table-insert slot at predetermined rate of feed. Handy, foot-controlled release.



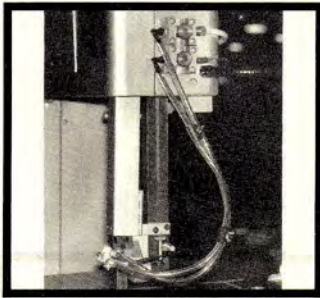
Model 88 Band Saw

**A HIGH PERFORMANCE LABOR AND
TIMESAVING HYDRAULIC BAND SAW
AT A SURPRISINGLY LOW PRICE.**

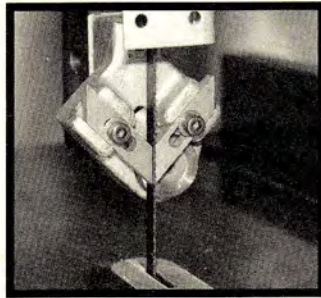


In addition to the rigidity and extra strength standard with all Powermatic band saws, we have improved on this feature with . . . a unitized steel frame which minimizes deflection . . . added a two-speed transmission powered by helical gears running in a continuous bath of oil. This two speed transmission also features a self adjusting "torque limiter" which prevents machine overloading. A clutch slips in case of overload without shearing gears.

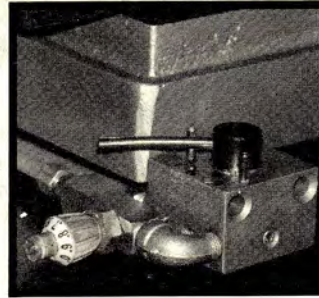
A hydraulic powered table adds to the utility and versatility of this machine. The precision ground coolant trough table feeds effortlessly on precision ground rails powered by a hydraulic cylinder. Longer blade life and better operator performance are assured as the machine does all the work.



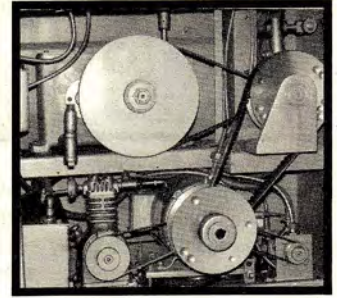
MIST-FLOOD COOLANT system is adjustable from the finest mist to a full flood for all types of sawing.



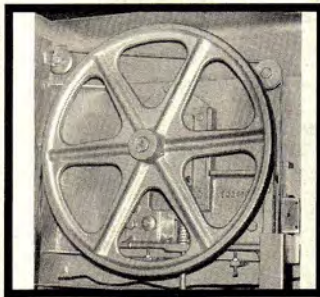
HEAVY-DUTY upper and lower guide blocks, a full set of 45 degrees sintered steel guide blocks and a M2 high speed steel faced backup bearing.



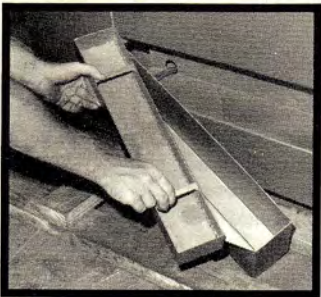
HYDRAULIC TABLE CONTROL is conveniently mounted to operator's left. Feed speed is fingertip dial controlled.



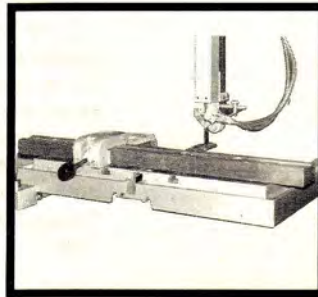
QUICK-SET SPEED selector mechanism, transmission, motor and drive mechanism are completely enclosed in the base.



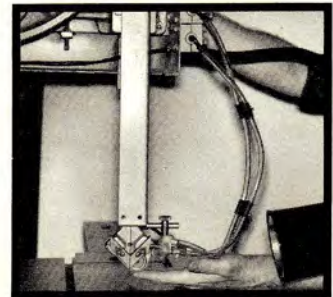
A ONE-PIECE upper wheel housing simplifies guidepost alignment and strengthens the entire assembly.



REMOVABLE CHIP PAN is fitted with filter screens to keep coolant return chip free.



WORK SQUARING BAR is standard equipment and mounts and locks in heavy table T-slots. An adjustable stop accurately controls length cutoff.



COUNTER BALANCED GUIDE POST prevents bar from falling when loosened for height adjustment.

FEATURES

Frame: Rugged unitized welded steel construction. Braced for maximum rigidity and minimum deflection with 300 lbs. (136.1 kg) of cutting force.

Table: 24" x 24" (609.60 mm x 609.60 mm) precision ground grey iron, tilts 45 degrees right and 15 degrees left. Coolant trough around entire table.

Wheels: Dynamically balanced cast iron wheels turning on lubricated-for life ball bearings. New one-piece upper wheel housing simplifies wheel/guide post alignment and increases strength of upper housing.

Guards: Blade guards are attached to the counterbalanced guide post thus automatically adjusting guard position and allowing minimum blade exposure.

Self-Adjusting Torque Limiter prevents machine overloading. In case of overload, a clutch slips thus preventing broken gears. The

whole unit is readily accessible for maintenance or adjustment.

Hydraulic Feed: The hydraulic system in this band saw is an independent unit, driven directly from the band saw motor. Feed speed and direction (forward, reverse, stop) of the hydraulically powered table is operator controlled. Adjustable positive stop is standard.

Guides: 45 degree angle guides, sintered powdered iron inserts correspond to blade size in use. Heat treated steel backup ring.

Drive: 2-speed transmission with infinitely variable speed control offering 47 to 470 SFM (.239 m/s to 2.388 m/s) in low speed, and 520 SFM to 5200 SFM (2.642 m/s to 26.416 m/s) in high speed. Incorporated as standard equipment in this transmission is a Torque Limiter which is self-adjusting and prevents overloading the drive system.

STANDARD EQUIPMENT

Model 88 Band Saw: Blade and wheel guards, 3/4" (19.05 mm) blade, 45 degree angle heat treated sintered guides, blade tension control, counterbalanced guide arm, hydraulic table feed, integral

hydraulic pump and reservoir, 2-speed transmission, flood and mist coolant system with pump, work squaring bar and work light. Less: Motor and controls.

BASIC MACHINES

1880010 20" metal cutting band saw with all standard equipment. Less: motor and controls.

PRICE IS RIGHT

1880040 Model 88 Band Saw complete with all standard equipment, plus blade welder, blade shear, 3 HP, 3 phase motor and magnetic controls. 230 volt only, please.

MOTORS

6471603 2 HP (1.492 kw), 3 Phase, 1800 RPM (188.50 rad/s), 230/460v, 145T frame.

200 v, 145T frame.

6471617 2 HP (1.492 kw), 3 Phase, 1800 RPM (188.50 rad/s),

6471916 3 HP (2.238 kw), 3 Phase, 1800 RPM (188.50 rad/s), 200/230/460/575v, special 182 frame.

CONTROLS

2398520 3 Phase, magnetic controls, with 115v transformer.

9100002 Conduit in lieu of standard wiring.

OPTIONAL ACCESSORIES

2028002 Blade filing clamp, wt. 22 oz. (.6 kg).

2253073 90 degrees twist bracket kit.

2028066 Contour cutting attachment.

2397031 Dust chute, wt. 1 lb. (.45 kg).

2028073 Circle cutting attachment, wt. 2 lbs. (.9 kg).

2403005 Guide insert kit.

2253068 Lower guides with steel faced back-up bearings. Less: inserts.

2846001 1/2" (12.70 mm) welder, 115v, wt. 55 lbs. (24.9 kg).

2253071 Upper guides with steel faced back-up bearings. less: inserts.

2846002 1" (25.40 mm) welder, 230v, wt. 55 lbs. (24.9 kg).

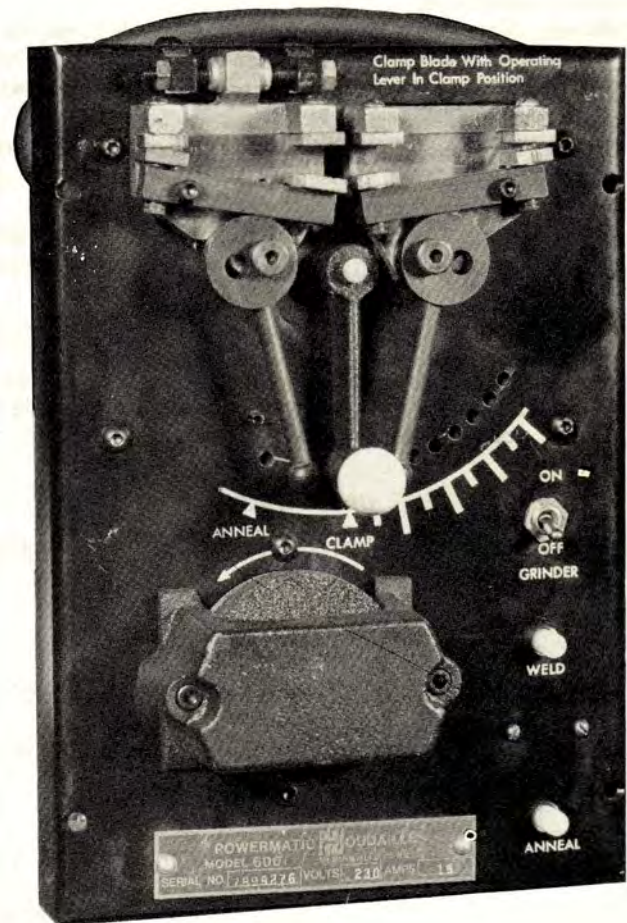
2846006 1" (25.40 mm) welder, 460v, wt. 55 lbs. (24.9 kg).

2846007 1" (25.40 mm) welder, 575v., wt. 55 lbs. (24.9 kg).

Designed To Accurately Weld Carbon Steel & Bi-Metal Blades

The Model 600 Welder is designed to weld most commonly used blades. Controls and clamping features are the best available for the purpose. The built-in grinder assures a finished blade weld.

- 2846001** Model 600 1/2" capacity welder w/grinder, 115v.
- 2846002** Model 600 1" capacity welder w/grinder, 230v.
- 2846006** Model 600 1" capacity welder w/grinder and transformer, 460v.
- 2846007** Model 600 1" capacity welder w/grinder and transformer, 575v.
- 2109001** Blade shear for Model 600.

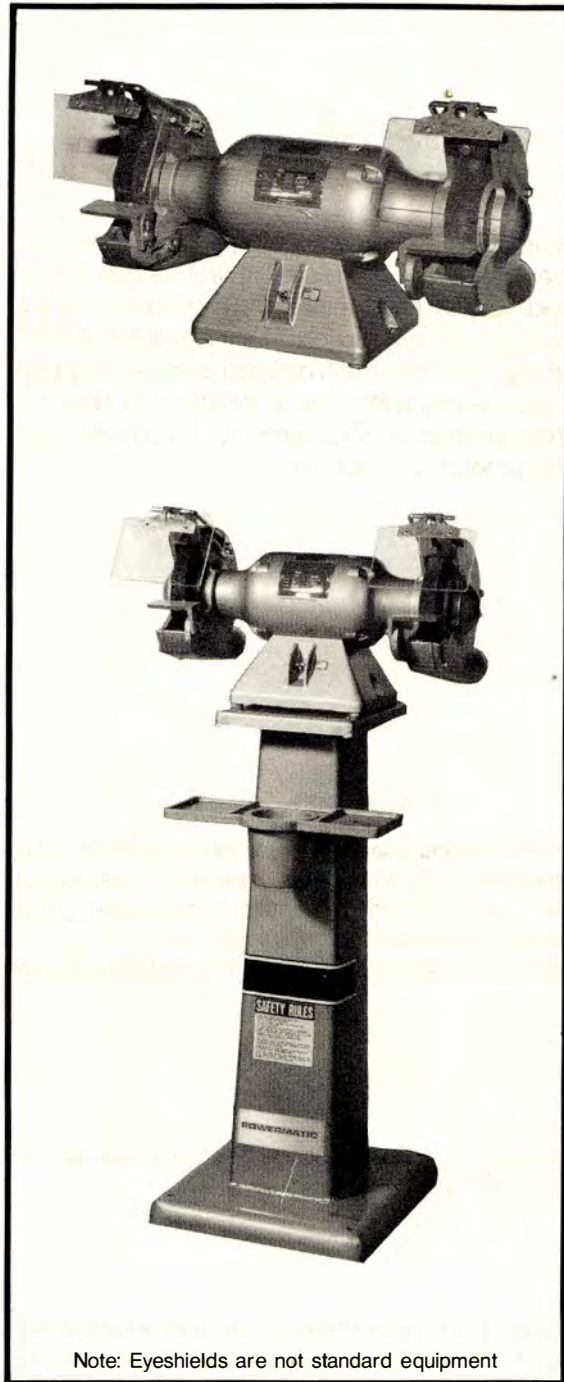


Capacities of the Model 600 Welder are from 1/16" through 1" blades. (Note: 115v models are 1/2" capacity only.) This is the same Model 600 Welder except with case.

- 1990010** Model 600 1/2" capacity Welder w/case, 115v.
- 1990020** Model 600 1" capacity welder w/case, 230v.
- 1990030** Model 600 1" capacity welder w/case and transformer, 460v.
- 1990040** Model 600 1" capacity welder w/case and transformer, 575v.

All machines performance tested before shipment.

Model 2100 Pedestal & Bench Grinders



Note: Eyeshields are not standard equipment

OPTIONAL ACCESSORIES

- 2588001** Steel Pedestal, complete with Tool Rest and Water Pot for ½, ¾, 1 HP (.373, .560, .746 kw) grinders, wt. 54 lbs. (24.5 kg).
- 2588002** Cast Iron Pedestal, complete with Tool Rest and Water Pot, for 2 HP (1.492 kw) grinders. Wt. 100 lbs. (45.4 kg).
- 6805001** Set of (2) Shatterproof Eyeshields.
- 6805002** Set of (2) Shatterproof Eyeshields, illuminated type, wt. 2½ lbs. (1.1 kg).
- 6900013** 12 x 2 Course Grinding Wheel.
- 6900014** 12 x 2 Fine Grinding Wheel.

Wheel Diameter

- 1210010 and 1210040:** 7" x 1" x ⅝"
- 1210050 and 1210060:** 8" x 1" x ⅝"
- 1210070 and 1210080:** 10" x 1" x 1⅞"
- 1210140:** 12" x 2" x 1¼"

ASSURANCE OF PERFORMANCE 9 MODELS FOR PRECISION GRINDING

FEATURES

- Tool Rests:** Easy to adjust and lock at all vertical and lateral angles for full flexibility.
 - Shafts:** Mounted in over-size sealed ball bearings for smooth, dependable performance.
 - Guards:** Heavy-gauge steel construction. Easy to remove for wheel changing.
 - Spark Shields:** For safety and visibility. Easily adjustable to wear of wheels. (These are not eyeshields).
 - Motor:** Totally enclosed for long life and maximum safety. ½ HP (373 kw); ¾ HP (.560 kw), 1 HP (.746 kw) and 2 HP (1.492 kw), 1 or 3-phase available.
- When ordering, specify voltage.

STANDARD EQUIPMENT

Model 2100 Bench Grinder: Steel guards, 2 spark deflectors, 2 adjustable tool rests, 2 grinding wheels (1 fine, 1 coarse), toggle switch in base and cord. Totally enclosed motor. (As selected from options below.)

STANDARD MACHINES

- 1210010** Bench Grinder, with all standard equipment and totally enclosed ½" HP (.373 kw), 1 phase, 115 or 230 volt (specify), 1800 RPM (188.50 rad/s) motor.
- 1210020** Bench Grinder, with all standard equipment and totally enclosed ½ HP (.373 kw), 3 phase, 230 or 460 volt (specify), 1800 RPM (188.50 rad/s) motor.
- 1210030** Bench Grinder, with all standard equipment and totally enclosed ½ HP (.373 kw), 1 phase, 115 or 230 volt (specify), 3600 RPM (376.99 rad/s) motor.
- 1210040** Bench Grinder, with all standard equipment and totally enclosed ½ HP (.373 kw), 3 phase, 230 or 460 volt (specify), 3600 RPM (376.99 rad/s) motor.
- 1210050** Bench Grinder, with all standard equipment and totally enclosed ¾ HP (.560 kw), 1 phase, 115 or 230 volt (specify), 3600 RPM (376.99 rad/s) motor.
- 1210060** Bench Grinder, with all standard equipment and totally enclosed ¾ HP (.560 kw), 3 phase, 230 or 460 volt (specify), 3600 RPM (376.99 rad/s) motor.
- 1210070** Bench Grinder, with all standard equipment and totally enclosed 1 HP (.746 kw), 1 phase, 115 or 230 volt (specify), 1800 RPM (188.50 rad/s) motor.
- 1210080** Bench Grinder, with all standard equipment and totally enclosed 1 HP (.746 kw), 3 Phase, 230 or 460 volt (specify), 1800 RPM (188.50 rad/s) motor.
- 1210140** Bench Grinder with all standard equipment, totally enclosed 2 HP (1.492 kw), 3 phase, 200, 230 or 460 volt (specify), 1800 RPM (188.50 rad/s) motor. (WHEELS NOT INCLUDED)

CONTROLS

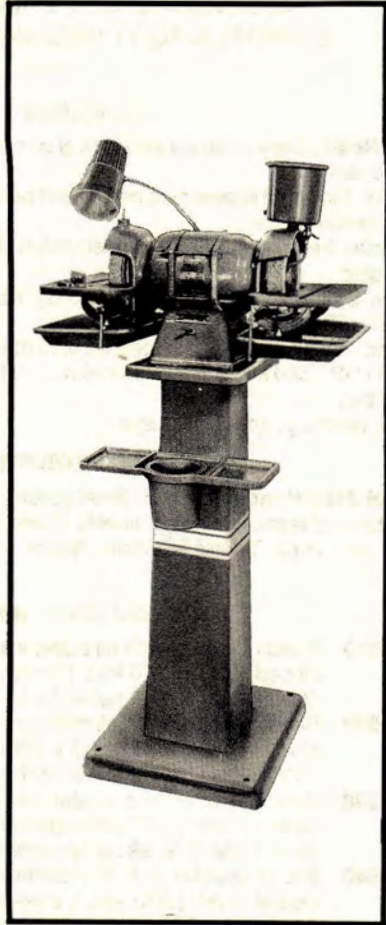
- 1 Phase**
- 2398134** Magnetic Controls, 115/230v.
- 2398493** Magnetic Controls, 115/230v, w/24v transformer.
- 3 Phase**
- 2398129** Magnetic Controls, 200/230/460/575v.
- 2398230** JIC Controls, 200/230/460/575v.
- 2398497** Magnetic Controls, 200/230/460/575v, w/24v transformer.
- 9100003** Conduit in lieu of Standard Wiring.

SPECIFICATIONS

Weight Bench Floor	½ HP	¾ HP	1 HP	2 HP
	71 lbs.	109 lbs.	140 lbs.	276 lbs.
	197 lbs.	206 lbs.	250 lbs.	487 lbs.

Model 2200 Carbide Grinders

All machines performance tested before shipment.



Note: Wheels not included with standard machine. Order as extra equipment.

SAVES TIME . . .
CUTS COSTS . . .

Production costs go down when a Powermatic Model 2200 Carbide Grinder is included in any shop that does grinding or lapping of carbide tipped, steel or stellite cutting tools. There's no need to lose valuable production time while a tool is sent out for sharpening. Now the machinist can conveniently perform his own sharpening tasks with a minimum of time. It's ideal for the high production shop and can be conveniently placed near the production machine.

FEATURES

- Motor:** A full ½ HP motor is reversible to use either side of the table.
- Table:** The slotted table tilts 45 degrees down and 15 degrees up.
- Coolant:** Flood coolant container mounts on top of either grinder wheel guard. Adjustable spigot controls coolant flow.
- Drain-off Tables:** Deep-well coolant drain-off tables are standard.

STANDARD EQUIPMENT

Model 2200 Carbide Grinder: Grooved; tilting cast iron tables, drain-off water pans, manual reversing toggle switch in base, cord

and adjustable work lamp. Totally enclosed motor (as selected from options below). Less: stand.

BASIC MACHINES

1210100 Bench Grinder, with all standard equipment and reversible ½ HP (.373 kw), 1 phase, 115 volt, 3600 RPM (376.99 rad/s) motor. (Wheels not furnished).

1210110 Bench Grinder, with all standard equipment and reversible, ½ HP (.373 kw), 3 phase, 230/460 volt (specify 3600 RPM (376.99 rad/s) motor. (Wheels not furnished.)

OPTIONAL ACCESSORIES

2588001 Steel Pedestal, complete with Tool Rest and Water Pot for ½, ¾, 1 HP (.373, .560, .746 kw) grinders. Wt. 54 lbs. (24.5 kg).

6900022 Silicon Carbide Wheel, 1½" x 6" (38.10 mm x 152.40 mm), 60 grit, wt. 2½ lbs. (1.1 kg).
6900025 Silicon Carbide Wheel, 120 Grit, wt. 2½ lbs. (1.1 kg).

SPECIFICATIONS

Motor single phase, capacitor type
½ HP (.373 kw) reversible,
60 Hz, 3600 RPM (376.99 rad/s)
Motor three phase, heavy-duty squirrel cage
type, ½ HP (.373 kw),
reversible 60 Hz, 115 or 230/460v.
3600 RPM (376.99 rad/s)

Wheels, Recessed 6" x 1½" (152.40 mm x 38.10 mm)
Wheels, Steel Backed 1¼" (31.75 mm) hole
Tool Table 12" x 6¾" (304.80 mm x 171.45 mm)
tilts 45 degrees out from face of wheel and 10 degrees in
Weight:
Bench model (domestic crated) 115 lbs. (52.2 kg)

THE MOST WANTED LIST



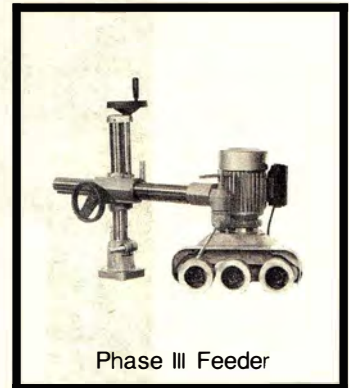
FCS750 Overarm Router



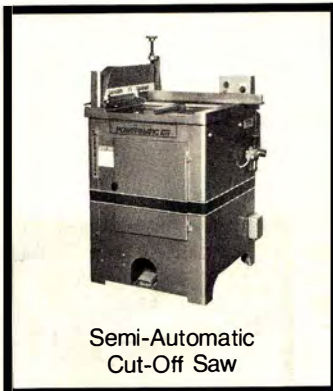
Big Line Shaper



BW900 36" Bandsaw



Phase III Feeder



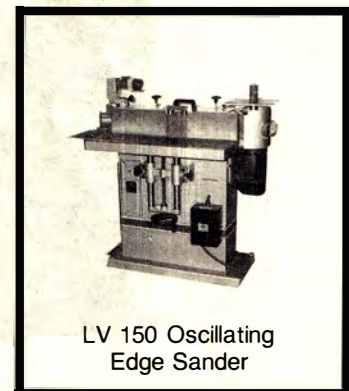
Semi-Automatic Cut-Off Saw



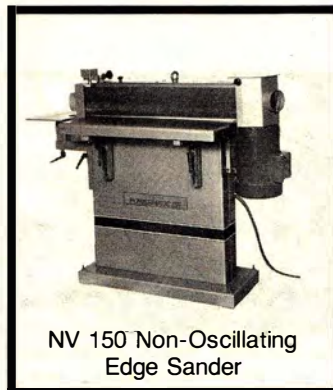
TS120 Heavy Duty Shaper



FS430 17" Jointer



LV 150 Oscillating Edge Sander



NV 150 Non-Oscillating Edge Sander



FS305 12" Jointer

The Heavyweights . . . The meanest, toughest machines of their size in the business.

Area of operation: Wood-working shops that are showing increased productivity/increased profits.

Identifying characteristics: A striking gold color. Superior or horse power. The largest rated motors of any machine's their size.

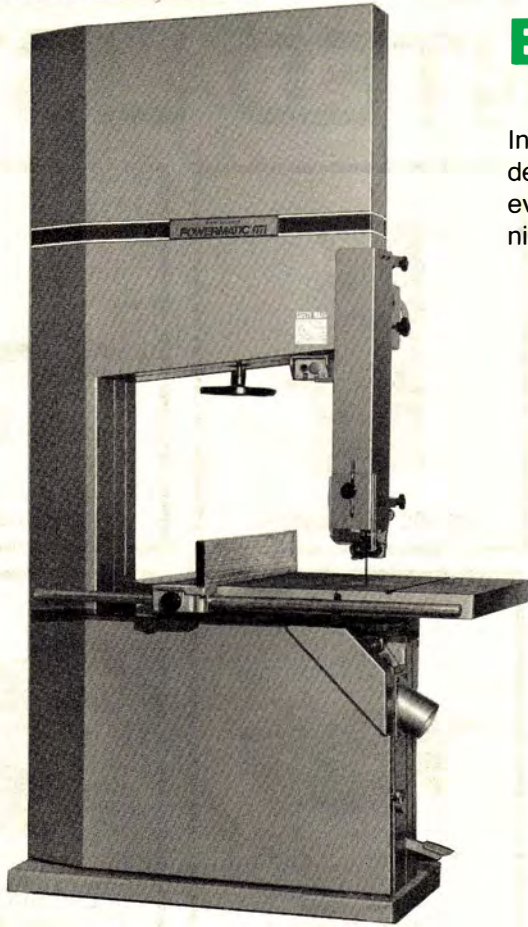
MO: These machines do a variety of jobs. Every one marked by speed and consistency.

Alias: The Incredible Machine. The heavyweights include shapers, jointers, a band saw, edge sanders, a router, feeders, and an exciting semi-automatic cut off saw.

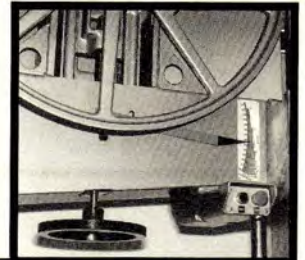
Model BW900 36" Woodcutting Band Saw

Accuracy In Every Operation

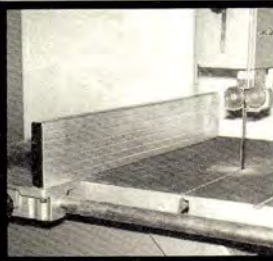
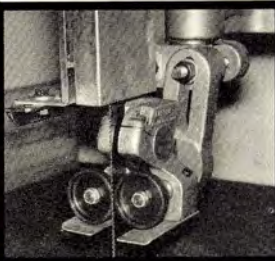
Incredible is the word for this heavy-duty 7½ HP, 36" throat, 20" depth of cut Band Saw. All adjustments are quick and simple, even to the lead rack and pinion activated table tilting mechanism. The perfect machine for non-ferrous materials.



Exact blade tension is set and measured in both inches and metric readings by a handwheel operated pointer.



Massive double trunnion is capable of supporting the heaviest work load without deflection.



Upper wheel is constructed of cast iron, precision balanced and mounted in two large lubricated-for-life bearings.



Standard guides are new Carter 400 ball side guide and backup bearings.

Heavy gauge aluminum rip fence moves easily on precision ground front mounted guide rail.

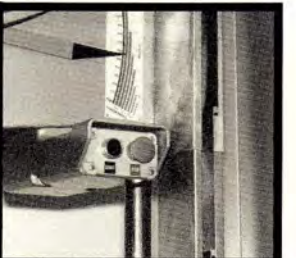
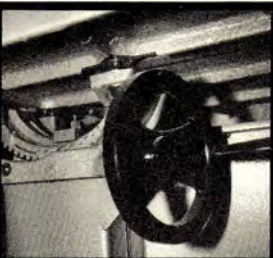
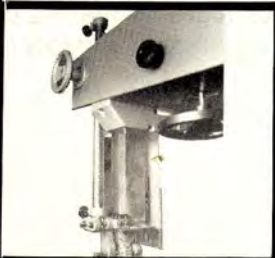
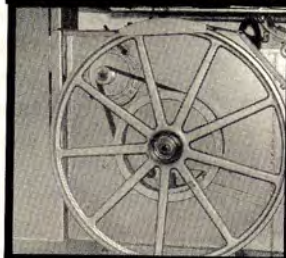
Telescoping blade guard moves with guide post to expose only the cutting position of the saw blade.

Guide post is raised and lowered by a large elevating handwheel, then locked in position to prevent accidental movement.

Table tilt is accurately controlled by a large handwheel/rack and pinion mechanism.

Push button station for the standard magnetic control is mounted for easy operator access.

Cast iron dynamically balanced lower wheel is fitted with a large contact brake drum to rapidly stop machine upon shutdown.



FEATURES

All steel welded frame, ribbed to provide maximum strength and rigidity for the heaviest cuts.

Cast iron precision-balanced wheels with replaceable tires.

Full range rack and pinion adjustable guide post.

Adjustable anti-friction upper and lower guides.

Expertly ribbed, large, and rigid table for the most accurate cuts.

Lower wheel foot brake for rapid stops.

Dust chute for easy connection to a dust collector system.

Adjustable blade guard with extension to help provide operator protection.

Handwheel adjustable tension control to allow use of 3/8" to 1 3/4" blades.

Safety-type door latch.

Totally enclosed fan-cooled motor.

5 5/8" H x 35 1/2" L rip fence.

STANDARD EQUIPMENT

36" band saw, complete with rack and pinion adjustable guide post, lower wheel brake, dust chute, adjustable blade guard, rip fence,

7 1/2 horsepower, 3 phase, 230 volt motor and magnetic control.

BASIC MACHINE

1790100 Model BW900 heavy-duty band saw complete with 7 1/2 HP, 3 phase, 230/460 volt motor (wired for 230) and

magnetic controls.

OPTIONAL ACCESSORIES

2471013 Miter gauge.

6339008 Carter 400 Guide.

SPECIFICATIONS

Wheel Size	35 7/16"	900mm
Wheel Speed	550 RPM	57.6 Rad/Sec
Table Size	32" x 39"	812.8 mm x 990.6 mm
Table in Front of Blade	12"	304.8 mm
Table Tilt	3 deg. L x 45 deg. R	3 deg. L x 45 deg. R
Table Height from Floor	38"	965.2 mm
Blade to Column	34 1/2"	876.3 mm
Max. Depth of Cut	20"	508 mm
Min. Blade Width	3/8"	44.4 mm
Max. Blade Width	1 3/4"	127 mm
Max. Blade Adj.	4 1/2"	114.3 mm
Blade Length	20'6" — 21'2"	6243-6400 mm
Motor Horsepower	7 1/2	5.6 kw
Overall Height	106"	2692 mm
Floor Space Required	L 62 1/2" x W 38"	L 1587 x W 965
Shipping Weight	2200 lbs.	990 Kg.

Model TS 120 Heavy-Duty Shaper

All machines performance tested before shipment.



The incredible strength of the Model TS 120 Shaper is obvious at first glance. The massive 3" heavily ribbed cast iron table, 6" diameter quill and heavy cast iron under-carriage delineate strength. The large center mounted fence features independently adjustable fence halves with positive locks and spindle guard. Four spindle speed and reversing switch insure an endless variety of shaping operations.

The fence assembly is quickly removed for free hand shaping of curved or irregular shaped objects. A standard reversing switch permits use of most straight and pattern ground shaper cutters.

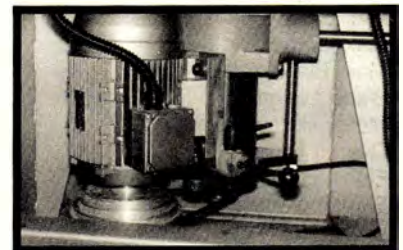
Spindles are quickly and easily installed or removed by a large standard double handle spanner wrench.

NOTE: Spring Hold downs shown are not standard



Adjustable infeed and outfeed fences, guard and removable table inserts for improved versatility, and all are standard. Spring Hold downs are optional.

Spindle lock for ease in tool changing is foot pedal activated for operator convenience.

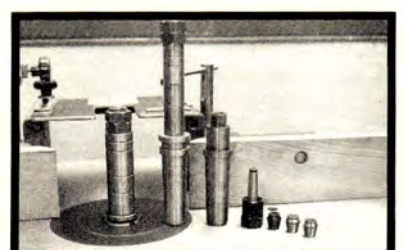


Dual purpose tension lever releases belt tension for easy spindle speed change, then serves to adjust for proper drive belt tension.



Massive cast iron quill assembly is fitted with precision pre-loaded ball bearings and a #5 Morse taper female spindle to insure positive spindle lock.

Standard equipped with a 1" spindle; 3/4", 1 1/4" and a 1/2" collet chuck arbor and spindle assembly, are also available.



Big Value . . . Precision and Performance Unexcelled

FEATURES

Heavy-duty cast iron table, expertly ribbed to minimize deflection and vibration.
Four spindle speeds. (2900-4000-5800-8000 RPM).
Totally enclosed fan cooled 4 Hp motor.
Independently adjustable infeed and outfeed fences.
Magnetic controls with reversing switch.
Heavy-duty cast iron under carriage mounted to steel plate frame minimizes deflection and vibration.

Main spindle mounted in heavy-duty ball bearings fitted into a massive 6" diameter ground cast iron quill.
Foot operated spindle lock for ease in tool changing.
Belt change for different speeds is rapid. Correct tension is maintained by lever control.

STANDARD EQUIPMENT

The TS 120 Shaper complete with 1" interchangeable spindle, 4 horsepower, 3 phase, 230-460 volt motor wired for 230 volts, magnetic controls, 3 table inserts, set of wrenches, and spindle guard: ready to run.

BASIC MACHINE

1790005 Model TS 120 heavy duty spindle shaper complete with interchangeable spindle, 4 horsepower 3 phase 230/460 volt motor (wired for 230) magnetic controls and all standard equipment.

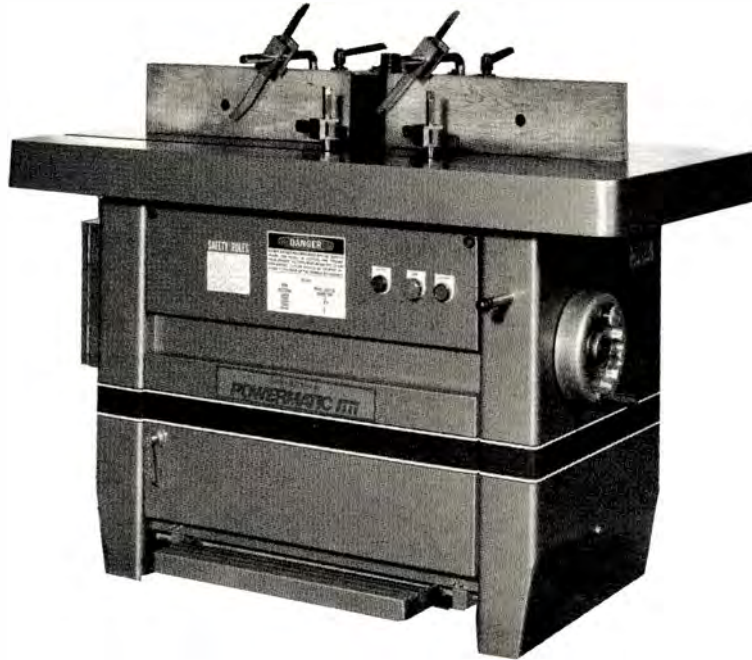
OPTIONAL ACCESSORIES

2024026 1/2" diameter collect chuck and #5 Morse Taper arbor assembly.
2471013 Miter Gauge.
6287257 3/4" diameter interchangeable spindle.
6287258 1" diameter interchangeable spindle.
6287259 1 1/4" diameter interchangeable spindle.

SPECIFICATIONS

Table Dimensions	39 ²³ / ₆₄ " x 31 1/2" (1000 x 800 mm)	Spindle Stroke	6 ¹⁹ / ₆₄ " (160 mm)
Table Height	33 1/2" (850 mm)	R.P.M.	2900, 4000, 5800, 8,000
Spindle Diameter	Standard Spindle Diameter 1"	Motor	4 HP
Maximum Cutter Thickness	1 1/4" Spindle—4" (100 mm)	Cone for Interchangeable Spindle	MK 5
	1" Spindle—3 1/2" (90 mm)	Overall Dimensions	39 ²³ / ₆₄ " x 31 1/2" x 41 ²¹ / ₆₄ "
	3/4" Spindle—2 1/2" (60 mm)		(1000 x 800 x 1050 mm)
Maximum Tool Diameter	9" (228.6 mm)	Net Weight	840 lbs. (378 kg)
Spindle Diameter	3/4", 1", 1 1/4"	Shipping Weight	1,000 lbs. (450 kg)
Maximum Tool height	3/4" Spindle—2 1/2" (65 mm)		
	1" Spindle—3 1/2" (90 mm)		
	1 1/4" Spindle—4" (100 mm)		

The Powermatic Big Line Shaper



For those who look for the ultimate in heavy-duty production shaping, the Powermatic Heavy-Duty Shaper fills every need. The 7½ horsepower, 3 phase motor provides the horsepower necessary for the heaviest shaper cuts. The massive carriage, large diameter quill assembly, and silky smooth bearings insure precision shaping and long life.



Fence locking handles are conveniently located for ease of adjustment. Infeed and outfeed fences can be independently adjusted or adjusted in unison.

The heavily constructed fence assembly is fitted with individually adjustable wooden fence pads and has an integral dust collection hookup. The infeed and outfeed fences can be adjusted independently or in unison for ease in set-up. The fence assembly can be easily removed for free hand shaping by simply removing the two handle bolts.



A foot brake is conveniently located on the front of the machine.



A hand lever spindle lock facilitates quick and easy spindle removal and replacement. A spindle reversing switch is included as standard equipment.



Belt tension adjusting levers simplify spindle speed changes.



Machine comes standard with a 1¼" interchangeable spindle.

FEATURES

Heavy-duty cast iron frame, expertly ribbed to minimize deflection and vibration.
Main spindle mounted in heavy-duty bearings fitted into a large diameter cast iron quill.
Five spindle speeds (3000, 4500, 6000, 7500, and 10,000 RPM).
Reversing switch standard.
Foot operated mechanical brake.

Hand lever activated spindle lock.
Belt tension adjusting levers simplify spindle speed changing.
1/4" interchangeable spindle standard.
Infeed and outfeed fences can be adjusted independently or in unison for ease in set-up.
Totally enclosed fan-cooled American made motors and controls with NEMA 12 dust-tight controls covers.

STANDARD EQUIPMENT

The Big Line Shaper, complete with 1/4" interchangeable spindle, 7 1/2 horsepower, 3 phase, 230/460 volt motor wired for 230 volt

operation, magnetic controls, 3 table inserts, set of wrenches, and hold downs. Ready to run.

BASIC MACHINE

1790801 Powermatic Heavy-Duty Shaper complete with 1/4" interchangeable spindle, 7 1/2 horsepower, 3 phase, 230/460 volt motor (wired for 230 volts), magnetic con-

trol, 3 tables inserts, tool kit, fence assembly. Ready to run.

OPTIONAL ACCESSORIES

6288500 3/4" diameter interchangeable spindle.
6288501 1" diameter interchangeable spindle.

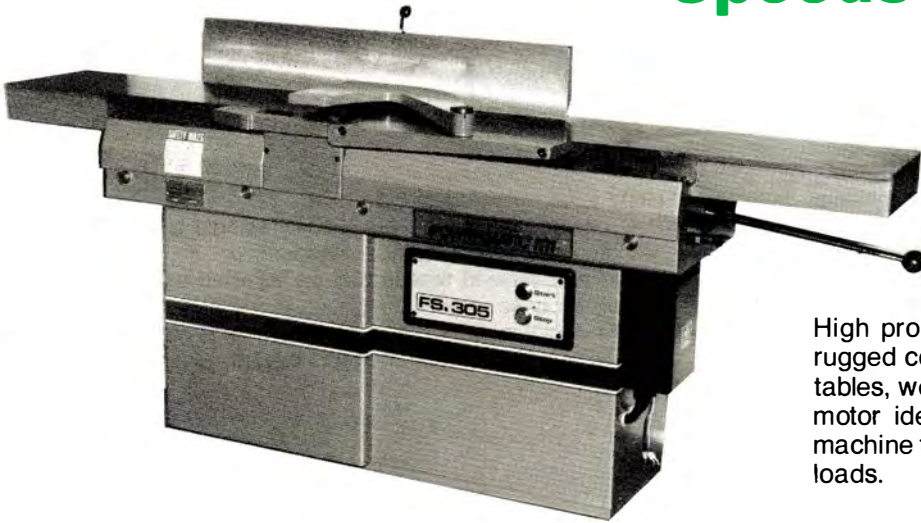
6288502 1 1/4" diameter interchangeable spindle.
6288503 Miter Gauge

SPECIFICATIONS

Table Size	31 1/2" x 51 1/8" (800mm x 1295.5mm)
Table Height	33" (838.2mm)
Spindle Opening Diameter	(max.) 12" (304.8mm)
Spindle Capacity Under Nut	5 5/16" (134.9mm)
Standard Spindle	1 1/4" (31.8mm)
Maximum Cutter Diameter	11" (279.4mm)
Vertical Stroke of Spindle	4" (101.6mm)
Spindle Speed	3000, 4500, 6000, 7500, and 10,000 RPM
Motor Horsepower	7 1/2
Floor Space Required	31 1/2" x 51 1/8" (800mm x 1295.5mm)
Net Weight	1600 lbs. (727 kgs.)
Shipping Weight	1745 lbs. (793.2 kgs.)

FS305 12" Jointer

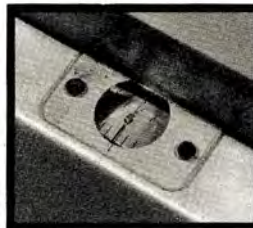
Super Power Heavy Duty . . . Speeds Production



High production and heavy cuts demand rugged construction. The massive cast iron tables, welded steel base and 4 horsepower motor identify the FS 305 as the type of machine that will stand up under heavy work loads.



A long, easy to reach, lever quickly and simply adjusts infeed table for proper cutting depths up to 3/4".



Full view depth of cut scale is calibrated in both inches and millimeters.



Massive 4 3/4" cutterhead is dynamically balanced and runs in sealed ball bearings. Both tables swing concentric to cutterhead.



Center mounted aluminum fence has positive stops at 90 degrees and 45 degrees.

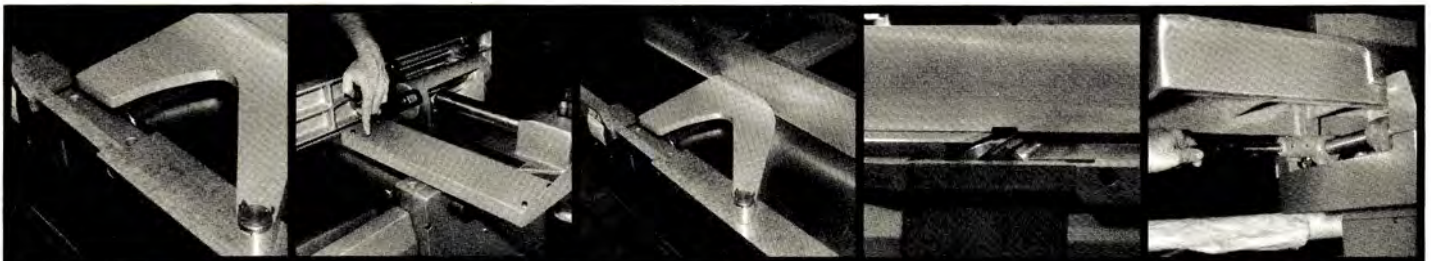
A large, removable rabbet ledge insures adequate support for edge rabbeting long materials.

Lock securely holds fence at all level angles. Rear of cutterhead fully guarded at all times.

Oversized "leg of lamb" type guard provides maximum protection, covering head during all jointing operations.

Both infeed and outfeed tables swing concentric with head to minimize knife-to-table clearance.

Outfeed table is quickly set with a conveniently located lever, then locked to prevent movement.



All machines performance tested before shipment.

FS305 12" Jointer

FEATURES

Frame constructed of heavy steel plate, reinforced for vibration-free performance. Large rear discharge dust chute assures complete chip removal.

Precision ground asymmetric tables are heavily ribbed insuring accurate edging and surfacing. Front table is extra wide for rabbeting. Rabbeting ledge is standard.

Special forged steel cutterhead ground and electronically balanced. Mounted on sealed ball bearings requiring no lubrication. Equipped with three high speed steel knives.

Depth-of-cut indicator is easy to read and instantly visible. Rapid vertical table adjustment is lever operated. A positive lock helps to prevent depth of cut changes during operation.

Full adjustable fence with tilting capability of 90 degrees to 45 degrees.

Swing away type guard.

Totally enclosed fan-cooled motor.

Each table is mounted and adjustable from four points. The parallelogram construction allows tables to swing concentric to cutterhead creating uniform clearance between knives and tables at all cutting depths.

Table tips are machined aluminum to minimize damage should knife clearance change or be improperly set. Inserts are grooved to reduce noise level.

STANDARD EQUIPMENT

FS305 jointer complete with steel floor stand, cutterhead guard, set of wrenches, 4 horsepower, 3 phase, 230-460 volt motor, magnetic

controls, and one set of knives.

BASIC MACHINE

1790200-FS305 Jointer complete with all standard equipment, 4 horsepower, 3 phase motor, wired 230 volt and mag-

netic controls, ready to run. Sorry, not available for single phase current.

OPTIONAL ACCESSORIES

6287101 Set of knives.

2004011 Power Feeder mounting plate.

6287120 Motor drive belt.

SPECIFICATIONS

Table Size	86" x 12-3/4"	2184 x 323.8 mm	Max. Rabbet Depth	3/4"	20 mm
Front Table Length	50 1/2"	1282 mm	Fence Size	39 1/2" x 7"	1003 x 177.8 mm
Rear Table Length	35 1/2"	901.7 mm	Fence Tilt	0 to 45 degrees	0 to 45 degrees
Table height from Floor	31 1/2"	800 mm	Motor Horsepower	4	3 Kw
Cutterhead Diameter	4 3/4"	120.6 mm	Net Weight	760 lbs.	345 Kg
Knives (3)	1/8" x 1 3/8" x 12"	3.17 x 34.9 x 304.8 mm	Shipping Weight	880 lbs.	451 Kg
Cutterhead Speed	4200 RPM	440 Rad/Sec	Floor Space Required	L 58 1/4" x W37"	L 1479 x W 940 mm
Max. Depth of Cut	3/4"	20 mm			

Model FS 430 17" Jointer

accuracy in every operation

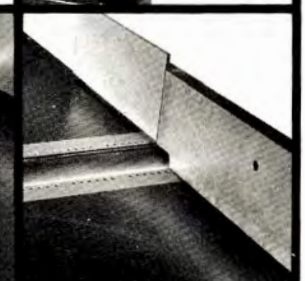
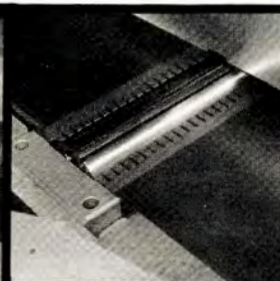
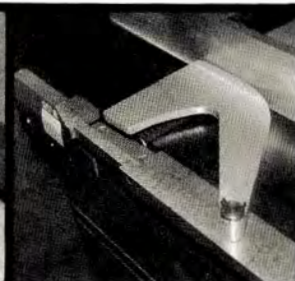
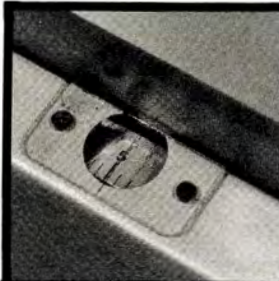


A machine designed especially for the pattern maker where accuracy and finish are most important. Minimal knife extension from the cutterhead reduces chip size and grain tear-out. The 116" (2900 mm) tables are perfect for Jointing extremely long material.

A long, easy to reach lever quickly and simply adjusts infeed table for proper cutting depths up to 3/4".



Full view depth cut scale is calibrated in both inches and millimeters.



Lock securely holds fence at all bevel angles. Rear of cutterhead fully guarded at all times.



Oversized "leg of lamb" type guard provides maximum protection, covering head during all jointing operations.

Both infeed and outfeed tables swing concentric with head to minimize knife to table clearance.

Massive 4 3/4" cutterhead is dynamically balanced and runs in sealed ball bearings.

A large, removable rabbet ledge insures adequate support for edge rabbeting long material.

Two piece step fence enables operator to maintain fence/table contact throughout entire length.

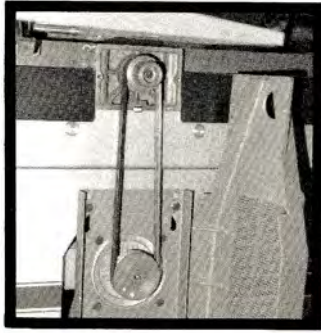
As fence moves across table for rabbet cuts, notice that rear of cutterhead is fully covered.

Outfeed table is quickly set with a conveniently located lever, then locked to prevent movement.

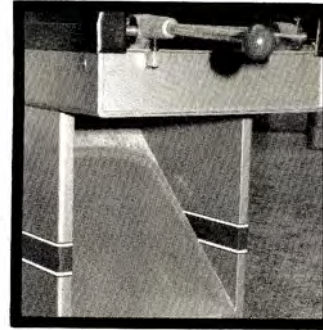


All machines performance tested before shipment.

Model FS430 17" Jointer



Rear motor access compartment is easily accessible for service or to maintain proper belt tension. Expanded metal shield provides visibility and ventilation without panel removal.



A massive rectangular dust chute helps to prevent clogging from woods that are wet, full of resin or from static electricity.

FEATURES

Main frame is one piece casting, strongly constructed to minimize vibration.

Cutterhead, of special forged steel, is ground, electronically balanced and mounted in sealed for life bearings. It is equipped with 4 knives.

Exceptionally long tables, precision ground with adjustment for accurate alignment to the cutterhead.

The opening between the tables is reduced to a minimum. Tables swing concentric with cutterhead to maintain minimum table opening.

Spring loaded swing away guard provides maximum coverage of cutterhead at all times.

The fence has a positive stop at 90 deg. with quick tilting adjustment up to 45 deg.

Two piece fence adjusts to maintain fence/table contact at all cutting depths.

Easy to read inch/metric depth of cut indicator.

Rapid vertical table adjustment lever.

Totally enclosed fan cooled 7.5 Hp motor.

STANDARD EQUIPMENT

FS430 jointer complete with steel floor stand, cutterhead guard, set of wrenches, 7.5 HP 3 Ph 230/460 volt motor, magnetic controls and one set of knives.

BASIC MACHINE

1790205 FS430 jointer complete with all standard equipment, 7½ HP, 3 PH motor, wired 230 volt and magnetic con-

trols, ready to run. Sorry, not available for single phase current.

OPTIONAL ACCESSORIES

6287601 Knives, set of 4.
6287513 Belt, motor drive.

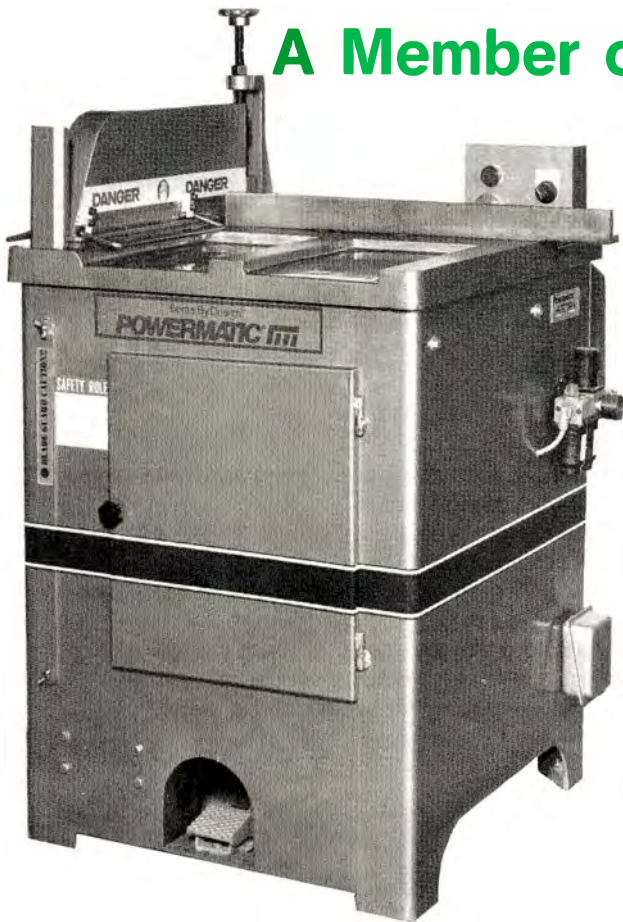
2004011 Power feeder mounting plate.

SPECIFICATIONS

Length of Table	108" (2700 mm)	Depth of Rabbet	¾" (20 mm)
Front Table Length	62" (1550 mm)	Fence Dimensions	52" x 6" (1300 x 160 mm)
Rear Table Length	44" (1110 mm)	Fence Tilt	0 to 45 Deg.
Front Table Width	18" (450 mm)	Motor	7.5 HP
Rear Table Width	17" (430 mm)	Overall Dimensions	108" x 28" x 38"
Table Height	31.5" (800 mm)		(2700 x 700 x 960 mm)
Cutterhead Diameter	4¾" (120 mm)	Net Weight	1200 lbs. (544 kg)
Knives, 4	17" x 1¼" x ⅛"	Shipping Weight	1350 lbs. (612 kg)
	(430 x 35 x 3 mm)		

Semi-Automatic Cut-Off Saw

The Powermatic Semi-Automatic Cut-Off Saw A Member of the Powermatic Belt Line



Built-in dust collection chute is an integral part of the design.

The Powermatic Semi-Automatic Cut-Off Saw is an attractive addition to any wood processing operation. It is ideally suited for solid stock cut-off work and minimizes the blade exposure and kickback potential normally associated with traditional radial arm saw operations.

The Powermatic Semi-Automatic Cut-Off Saw is loaded with features to increase your production including a 10 horsepower, 3 phase motor with magnetic control. The pneumatic operated guard/clamp securely holds stock in place while the saw blade raises from below the table making quick accurate cuts. The need for radial arm saws for most crosscutting operations is virtually eliminated.



Recessed surface on top casting makes it easy to position stock for cutting.



The on/off and air control switches are located on the top/rear of the machine for easy reach.



Guard/clamp height is easily set using the adjusting knob.



Front and side blade access covers make blade servicing easy.

FEATURES

Heavily ribbed, precision ground cast iron top is designed for rugged production use.
Guard/clamp assembly height is easily adjusted by top mounted knob.
Heavy steel plate cabinet construction with hinged front door and front and side blade access covers.
On/off and air control switches are conveniently located at the top of the machine for easy operator access. Foot pedal controls

blade cycle.
Heavy cast iron adjustable fence.
Heavy-duty, widely spaced bearings provide arbor support. The arbor and blade assembly is powered by three drive belts connected to the 10 horsepower, 3 phase motor.
Totally enclosed fan cooled American made motors and controls with NEMA 12 dust-tight control covers.

STANDARD EQUIPMENT

Powermatic 18" semi-automatic cut-off saw complete with 10 horsepower, 3 phase motor, magnetic control, cast iron fence, and tool kit.

BASIC MACHINE

1790803 Powermatic Semi-Automatic Cut-Off Saw complete with 10 horsepower, 3 phase motor, magnetic control, cast iron fence, and tool kit. Ready to run. Left hand machine.

OPTIONAL ACCESSORIES

2797171 Complete 8' roller table package that includes 8' roller infeed and outfeed tables, leg sets, infeed angle fence, and outfeed angle fence with measuring scale and four flip stops. Includes all mounting hardware and instructions. For LEFTHAND semi-automatic cut-off saws.

2797173 Complete 8' roller table/ledge package that includes 8' infeed roller table and 8' outfeed ledge with measuring scale and four flip stops, leg sets, and infeed angle fence. Includes all mounting hardware and instructions. For LEFTHAND semi-automatic cut-off saws.

2761046 Flip stops. Black anodized

6682002 Roller. 2" x 13".

SPECIFICATIONS

Table Size.....	26" x 18¾" (660.4 x 476.3mm)	4" Stock Thickness.....	11" (279.4mm)
Table Height.....	35¼" (895mm)	Saw Blade Diameter.....	18" (457.2mm)
Air Pressure Required.....	60 psi	Motor Horsepower.....	10
Maximum Height Under Guard/Clamp.....	4¾" (120.7mm)	Arbor Speed.....	3320 RPM
Maximum Width of Cut		Net Weight.....	792 lbs. (360 kgs.)
1" Stock Thickness.....	13" (330.2mm)	Shipping Weight.....	924 lbs. (420 kgs.)
2" Stock Thickness.....	12½" (317.5mm)	Maximum Cycle Rate.....	90 cycles/minute
3" Stock Thickness.....	12" (304.8mm)		

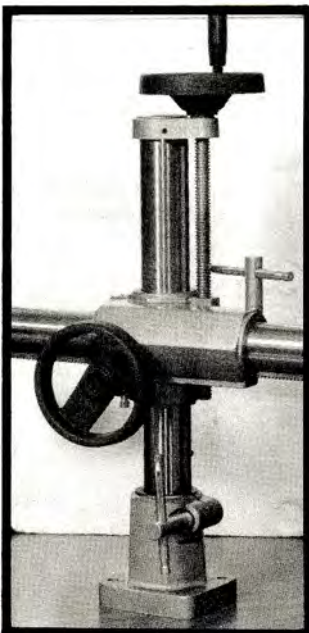
Phase III Feeder

THE POWERMATIC PHASE III STOCK FEEDER A POWERMATIC PRODUCTIVITY ENHANCER

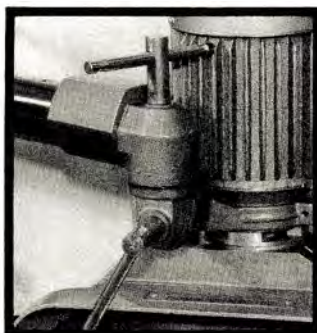


The Powermatic Phase III Stock Feeder units are universally adaptable to a variety of woodworking machines including TA Saws, Shapers, Band Saws, Edge Sanders, and Jointers. The variable head positioning makes it adaptable to a wide range of woodworking set-ups. In addition, the uniform feed rates and secure stock handling of the Powermatic Phase III Stock Feeder increases machined surface quality and reduces machining tear-out while greatly increasing productivity.

Soft but tough rubber driving wheels are chain connected for continuous and consistent drive. The Powermatic Phase III Stock Feeder is operative in any of four speeds in forward or reverse.



Vertical height is adjusted by turning the vertical screw with the cast iron elevating handwheel. Horizontal adjustment is accomplished by rotating the cast iron rack-and-pinion.



The universal mounting system permits a variety of feeder head positions.



Drive wheels are positively driven by chain and sprocket drive system.



The low/high - forward/reverse switch is conveniently located.

FEATURES

Universal mounting hardware provides versatility in adapting the power feeder to a wide variety of machines.
Vertical adjustment is controlled by "acme" threaded elevating rod with cast iron handwheel.
Four feed speeds available, 13, 26, 36, or 72 ft./min., in forward or

reverse.
Three rubber driving wheels are drive chain connected for positive feeding.
Totally enclosed fan-cooled motor.

STANDARD EQUIPMENT

Three phase feeder unit wired for 230 volts, complete with all mounting hardware and cord.

BASIC MACHINE

1790800 Powermatic Phase III Stock Feeder unit wired for 230 volts, complete with universal mounting system,

mounting hardware, cord and plug.

SPECIFICATIONS

Maximum Horizontal Distance from Column to Wheels 25" (635mm)	Feed Wheel Width 2 $\frac{3}{4}$ " (60mm)
Maximum Vertical Adjustment 8" (203.2mm)	Motor Horsepower 1
Number of Wheels 3	Feed Rates 13, 26, 36, and 72 ft./min.
Feed Wheel Diameter 4 $\frac{3}{4}$ " (120mm)	Net Weight with Motor 132 lbs. (160 kgs.)
	Shipping Weight 145 lbs. (66 kgs.)

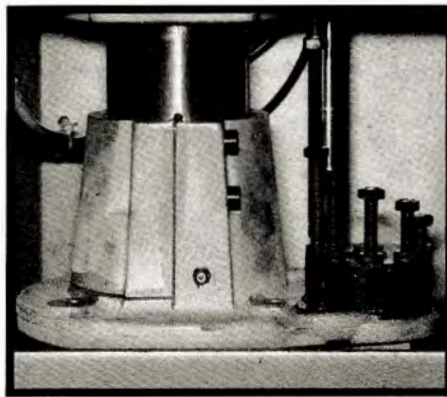
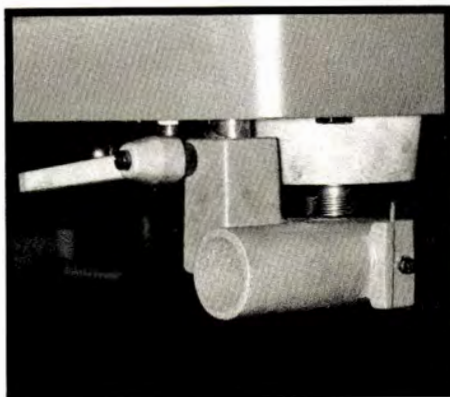
Model FCS 715 Overarm Router

All machines performance tested before shipment.

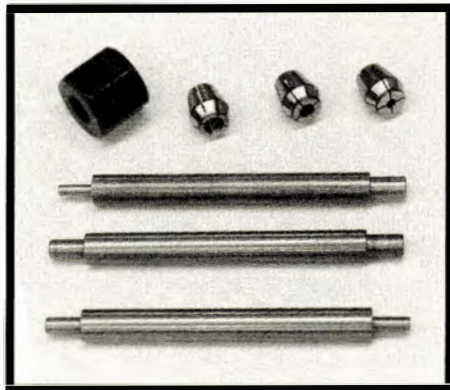


The versatile Powermatic Model FCS 715 overarm router is designed to handle high volume in the toughest cutting applications. A two-speed motor delivers 10,000 RPM for large diameter cutters and a top 20,000 RPM for regular router bits up to 1/2" diameter. This heavy duty router is priced well within the budget of the school or small cabinet shop.

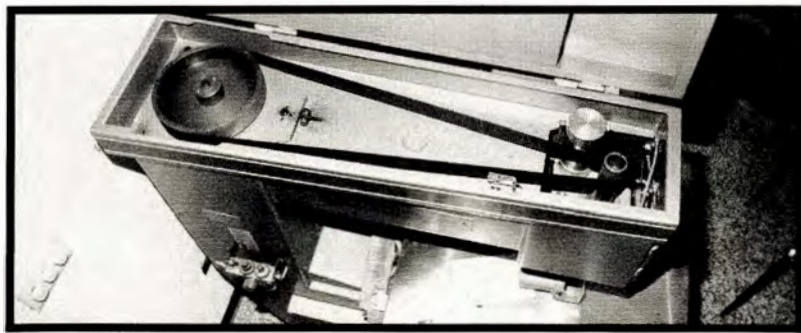
A casting holds both a clear plastic, adjustable guard and dust hood outlet.



Lever controlled depth stops permit up to 5 spindle positions, even to multiple depths without stopping machines.

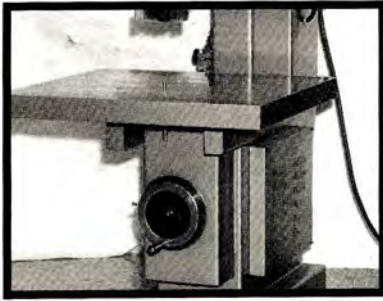


Three guide pins with six pin diameters, and three collet chucks 1/4", 3/8" and 1/2" are standard equipment.

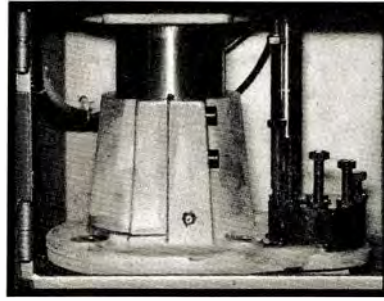


A large flat belt drive delivers full motor torque to spindles. If guard is lifted with machine running, a safety switch stops machine.

Model FCS 715 Overarm Router



Massive heavy ribbed cast iron table is quickly handwheel raised and lowered through a five pitch Acme screw.



A full 3 1/8" (80 mm) diameter precision ground guill assembly is fitted with pre-loaded ball bearings and ball grease fittings.



Pneumatic quill is controlled by pneumatic foot pedal. May be used for drilling or locked for routing.

FEATURES

Frame: Heavy-duty steel plate construction, ribbed and welded to prevent vibration.

Table: Constructed of heavily ribbed cast iron and precision ground, this 35 1/2" x 31 1/2" table defies deflection under the heaviest load.

Table Raising Mechanism is constructed of cast iron and moves on dovetailed ways fitted with wear gibs to support table. Large handwheel raises and lowers table through an Acme thread leadscrew.

Spindle Speeds: A two speed motor provides spindle speeds of 10,000 RPM for large diameter cutters and 20,000 RPM for smaller high speed cutting tools.

Motor: Standard equipment includes a 3 1/2 Hp (for 20,000 RPM) and 4 1/2 HP (for 10,000 RPM) two speed motor to provide maximum spindle torque for all cutting operations.

Brake: This router is fitted with a manually operated braking system.

Spindle Stops: Five adjustable turret handle operated stops enable operator to change cutting depths without stopping machine—an excellent feature for step machining.

Oil Filter & Regulator are standard equipment. Any moisture in airline is collected and readily visible. Easily discharged oil regulator supplies correct lubricant to spindle elevating components.

STANDARD EQUIPMENT

Model FCS 715 overarm router complete with 5 spindle stops, air downfeed, foot pedal control, one set guide pins, 1/4", 3/8", and 1/2"

collets, ring guard, 2-speed 3 1/2 and 4 1/2 HP 3 phase motor, magnetic starter and manual brake system.

BASIC MACHINE

1790715 Model FCS 715 Router complete with all standard equipment, wired 230 volt.

OPTIONAL ACCESSORIES

6288001 1/4" Collet
6288002 3/8" Collet
6288003 1/2" Collet

6288007 Collet Retaining Nut
6288010 1/4 & 5/16" Guide Pin
6288009 3/8 & 1/2" Guide Pin

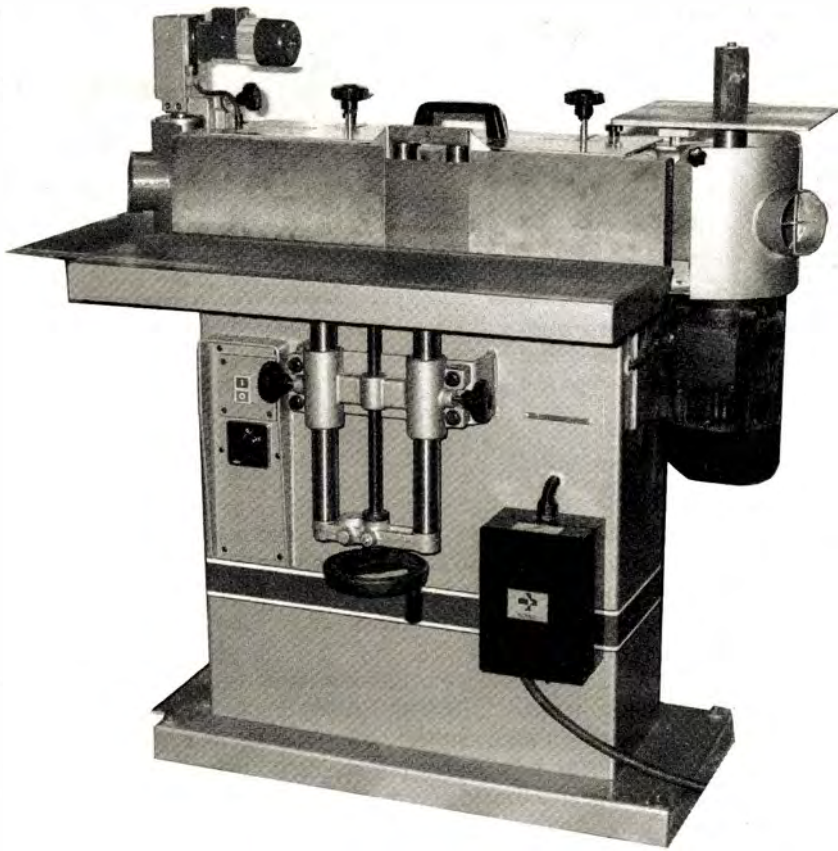
SPECIFICATIONS

Distance between spindle and column 29 1/2" (750 mm)
 Table dimensions 35 1/2" x 31 1/2" (900 x 800 mm)
 Spindle speeds 10,000 to 20,000 RPM
 Morse taper #2 (MK2) 1 1/8" thread
 Vertical spindle stroke 4" (100 mm)
 Vertical table stroke 7 1/8" (185 mm)

Maximum distance between table & spindle 11" (285 mm)
 Minimum distance between table & spindle 0"
 Adjustable spindle depth stops 5
 Minimum table height 33 1/8" (845 mm)
 Maximum table height 40 1/2" (1030 mm)
 Shipping Weight 1200 lbs. (544 kg)

Model LV 150 Edge Sander

Quality Features For Top Edge Sanding Performance

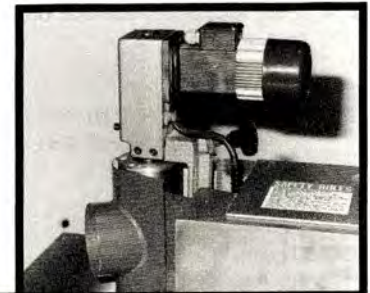


The Powermatic Model LV150 oscillating edge sander is designed to produce exceptional finishes. The gentle up/down movement of the sanding belt eliminates long surface grain marks. The front and rear adjustable tables give operator access to full belt width. Four tables permit platen, jointing, contouring and spindle sanding on one machine.

Belt oscillation is obtained from a slow, positive reciprocating action of the drive pulley by a separate $1/10$ horsepower top mounted motor.



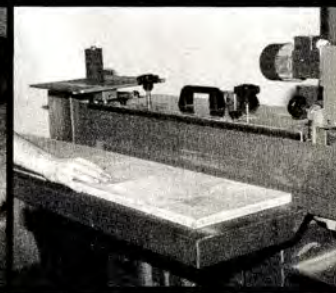
Rear table may be raised and lowered full belt width for straight edges or tilted for bevel sanding.



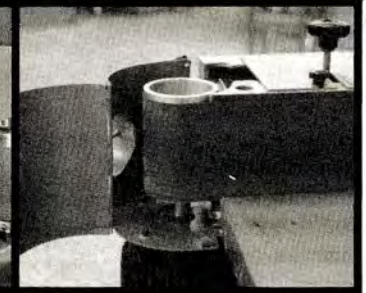
Belt tension is controlled by a small internally mounted handwheel and positive tracking by an easy access fine thread screw and control knob.



A unique felt and graphite covered roller assisted center platen provides an ideal method of jointing and sanding a straight edge during the same operation. Both cast iron faceplates are quickly adjusted and locked in position for real precision finishing.



A full 33" sanding platen insures precision edges on short or long stock.



A large $4 \frac{3}{8}$ " drive and $3 \frac{1}{2}$ " idler pulley provide a non-slip sanding system. A separate switch permits operation in oscillating or non oscillating modes.

All machines performance tested before shipment.

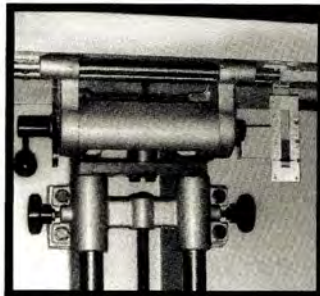
Model LV150 Edge Sander



Through removal of drive pulley dust hood cover and installation of the auxiliary table, this model converts to a spindle sander perfect for small radius sanding.



Larger contours are easily sanded by removal of the driven pulley dust hood. The idler now becomes a contour sander.



The tilting table of the Model LV150 is perfect for bevel sanding linear stock 0 degrees to 35 degrees. Tilt scale reads in inches and degrees.



Two shaving hoods permit sanding and direct dust pickup from either left or right end of Sander.

FEATURES

A special $1/10$ hp motor delivers a reciprocating action to the large driven pulley providing smooth oscillation of the sanding belt. An auxiliary table and 25mm, 30mm, 40mm, 45mm, and 50mm diameter rubber covered spindles are supplied as standard equipment for small contour work. Heavy-duty steel plate construction provides smooth operation, long life and rugged dependability. Two oversized machined cast iron tables support heavy objects for straight and beveled edge sanding.

Rubber covered drive and driven pulleys assure positive non-slip tracking. The miter gauge permits sanding of standard and compound angles. A full $4\frac{1}{2}$ HP motor supplies ample power for production sanding. Magnetic controls provide overload, low voltage and no voltage protection. Dust hoods located at each end of sanding belt—one removable for contour sanding.

STANDARD EQUIPMENT

Model LV150 oscillating belt sander complete with $4\frac{1}{2}$ HP, 3 phase motor, $1/10$ HP oscillation motor, magnetic controls, set of wrenches,

1 sanding belt, lift eyes, 2 shaving hoods, and a set of 5 rubber cushions and sanding drums for spindle sanding.

BASIC MACHINE

1790500 Model LV150 Sander complete with all standard equipment wired for 230 volt operation.

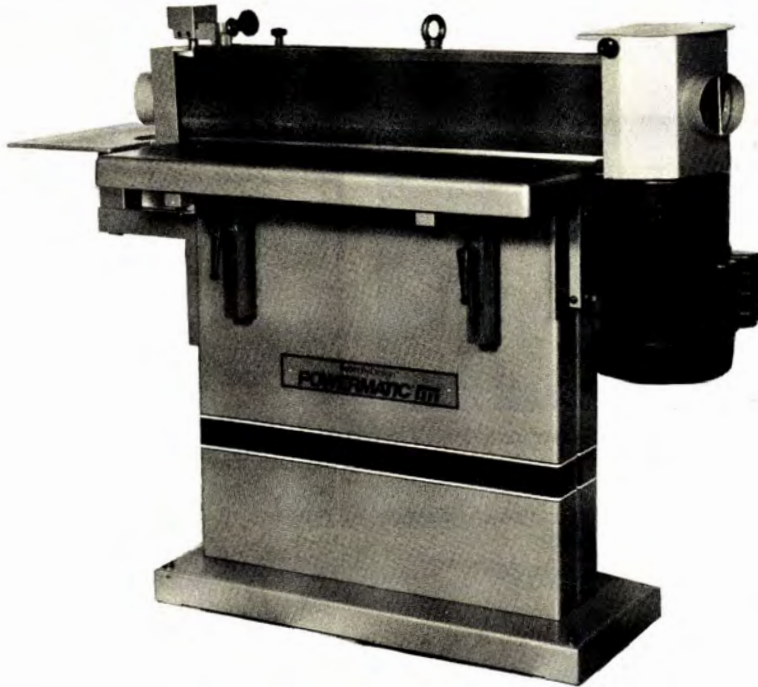
SPECIFICATIONS

Tilting Work Table.....	33½" x 11¾" (850 x 300 mm)	Surface Feet Per Min.....	4146
Fixed Table.....	33½" x 11¾" (850 x 300 mm)	Abrasive Rollers Diameter . . .	1"—2" (25, 30, 35, 40, 45, 50 mm)
Table Tilt.....	0 to 35°	Supplementary Working Table for	
Vertical Movement of Tables.....	5⅞" (130 mm)	Abrasive Rollers.....	11¾" x 11¾" (300 x 300 mm)
Abrasive Belt Width.....	6" (152.4 mm)	Motor.....	4½ HP 230 Volt 3 Phase
Abrasive Belt Length.....	.89" (2260 mm)	Overall Dimensions.....	51"L x 34"W x 48½"H
Idler Roll Diameter.....	.3½" (89 mm)	Shipping Weight.....	600 lbs. (272 kg)

Model NV 150 Edge Sander

All machines performance tested before shipment.

precision & performance unexcelled



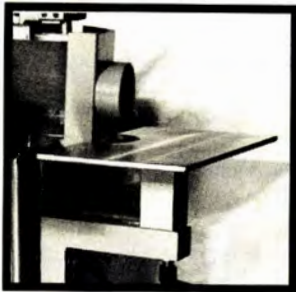
Compare the features of this non-oscillating edge sander against the lightweights marketed at higher prices—then decide which machine meets your demands.

Motor: a full 3HP TEFC 3 or 1 Phase motor provides the power for heavy duty sanding operations.

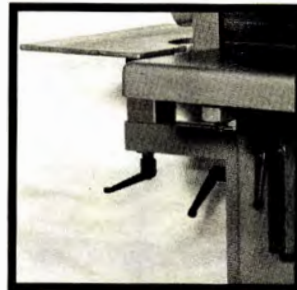
Standard Table: adjustable in height for full sanding belt use and spring loaded to maintain perfect alignment.

Tilting Table: constructed of cast iron and tilts from 0 deg. to 35 degrees for bevel sanding applications.

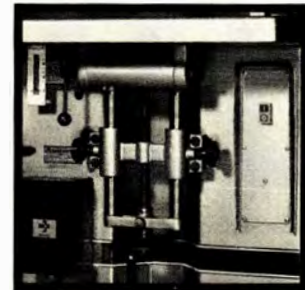
Sanding Platens: are a full 37" for perfect edges whether straight or beveled.



An adjustable auxiliary end table is provided for contour sanding.



Stationary table height is adjusted with rigid angle supports.



Twin locks and a cast iron undercarriage control accurate tilting from 0 to 35 degrees down.

BASIC MACHINES

17490401 Model NV 150 Sander complete with 3 HP, 3 Phase motor, wired for 230 volt operation, magnetic controls, set of wrenches, 2 lift eyes and 2 shaving hoods.

1790403 Model NV 150 Sander complete with 3 HP, single phase motor, wired for 230 volt operation, magnetic controls, set of wrenches, 2 lift eyes and 2 shaving hoods.

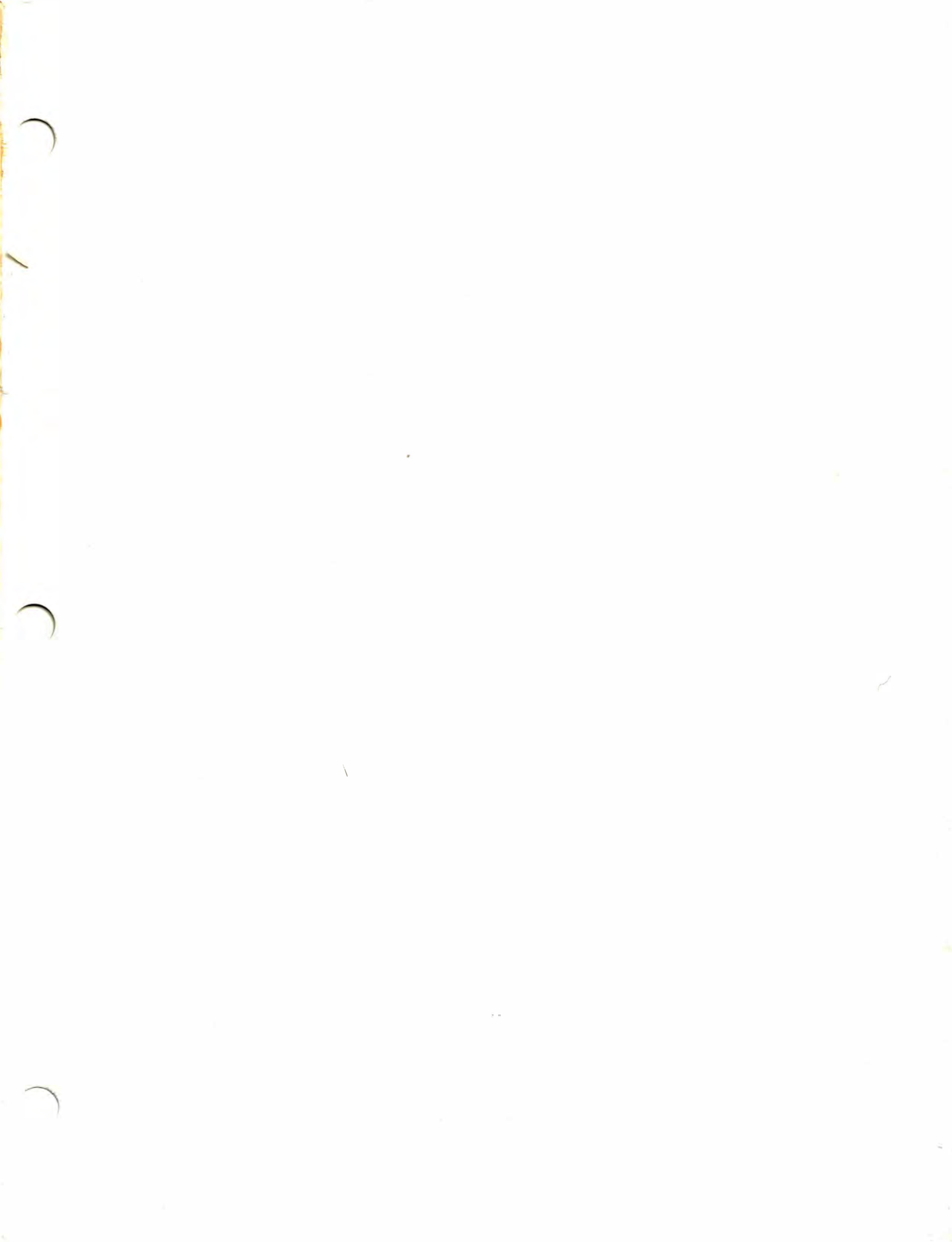
SPECIFICATIONS

Tilting Work Table..... 39¼" x 11¾" (997 x 300 mm)
 Fixed Table 39¼" x 11¾" (997 x 300 mm)
 Table Tilt 0—35
 Vertical Movement of Tables..... 5½" (130 mm)
 Abrasive Belt Width 6" (152.4 mm)
 Abrasive Belt Length..... 103½" x (2629 mm)
 Idler Roll Diameter 4½" (114 mm)

Supplementary Working Table for
 Idler Roll 12½" x 11¾" (320 x 300 mm)
 Overall Dimensions 65" L x 32" w x 35½" H
 (1650 x 813 x 902 mm)
 Motor 3 HP 230 Volt
 Net Weight 600 lbs (272 kg)

NOTES

NOTES



POWERMATIC, A DIVISION OF STANWICH INDUSTRIES, INC.
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POWERMATIC 
POWERMAGIC FOR THE EIGHTIES™

CATALOG DH/6/88
© 1988 STANWICH INDUSTRIES, INC.

WORKBENCH TOOL CO., INC.
2833 Perry St.
Madison, WI 53713
(608) 273-1148

PRINTED IN USA

POWERMATIC PRICE LIST

(INSERT, found in Cat. DH/6/88)

MODEL 66 TABLE SAW

	2hp Powerstar, w/128 fence	1525.00
1660750	5hp, 3 phase, magnetic control, 230v, w/fence	1598.00
1660760	3hp, 1 phase, magnetic control, 230v, w/fence	1599.00
1660791	5hp, 1 phase, magnetic control, 230v, w/fence	1723.00
	motor cover	68.00
	dado insert	32.00

MODEL 68 TILTING ARBOR SAW

1680170(12")	5hp, 3 phase, magnetic control, 230v	3180.00
1680180(12")	5hp, 1 phase, magnetic control, 230v	3159.00

MODEL 72 TILTING ARBOR SAW

1720280(12-14")	64" rails, 7 1/2hp, 3 ph, 230v, mag. cont.	3881.00
1720281	5 hp, 1 phase	3881.00

MODEL 74 TILTING ARBOR SAW

1740140	12" T.A. Scoring 7 1/2 h, 3 ph	4935.00
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MODEL 95 SCROLL SAW

1950100(24")	variable speed, 1 hp, 1 phase, 115v	1179.00
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MODEL 26 SHAPER

1260050	5hp, 230v, 1" spindle, mag. con., 3 phase	1510.00
1260100	3hp, single phase, 230v, mag. con.	1475.00
1260111	5hp, single phase, 1" solid spindle, mag. cont.	1574.00
	2hp, single phase, Powerstar	1425.00

MODEL 100 PLANER

1000092	12", 3hp, single ph., 230v, mag. cont.	1995.00
1000093	12", 3hp, 3 phase	1995.00
1000099	Powerstar, 2hp, 230v, push button switch	1859.00
2292018	Dust Hood	79.00
6427003	Knives	57.00

MODEL 180 PLANER

1800190	Q-Pln, 10hp, 3 ph, 230v, Grd hood	7128.00
1800200	18", 7 1/2hp, 3 ph, 230v, mag. cont., Grd	4375.00
1800205	5hp, 1 phase, 230v, kn grd, seg. feed roll	4375.00
1800210	Powerstar, 5hp, 1 ph, solid feed rolls	3995.00
3292005	Dust Hood	45.00
2393005	Knives	185.00

MODEL 225 PLANER

1240200	24", Q, 15hp, 230v, mag. con., kn grd & hood	12,096.00
1240225	24", 15h, 230v, var. sp., 4 knife	10,260.00

MODEL 45 LATHE

1450300	V.S. guard, 3/4 hp, 1 ph, 115v, mag. con.	2342.00
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MODEL 90 LATHE

1900370	V.S., 1 hp, 3 ph., 230 v, mag. cont.	2866.00
1900380	V.S., 1 hp, 1 ph., 115 v, mag. cont.	2866.00

MODEL 50 JOINTER

1500040	6", 3/4 hp, 1 phase, 115v	1085.00
6427001	Knives (3)	33.00

MODEL 60 JOINTER

1610040	8", 2hp, 230v, mag. cont., knife gauge	1516.00
1610050	8", 1 1/2 hp, 1 phase, 115v POWERSTAR	1375.00
1610055	8", 1 1/2 hp, 3 phase	1375.00
6427002	Knives	41.00

MODEL 30B BELT SANDER

1300134	B/D, 1 1/2 hp, 1 phase, 230/115v	1077.00
1300136	B/D, 1 1/2 hp, 3 phase, 230v	1077.00

MODEL 33B BELT SANDER

1330114	Belt Sander, 1 1/2 hp, 1 phase, 115v	977.00
1330117	Belt Sander, 1 1/2 hp, 3 phase, 230v	977.00

MODEL 35B DISC SANDER

1350033	12" disc, 1 hp, 115/230v	758.00
1350036	12" disc, 1 hp, 115/230v	758.00

MODEL 1150A DRILL PRESS

1152825	15" drill press, var. sp., TT, 3/4hp, 115v, floor	1300.00
1152826	15" drill press, step, TT, 3/4hp, 1 ph, 115v, floor	1092.00

MODEL 141 BANDSAW

1410040	Bandsaw, 3/4 hp, 1 ph, 115 v, lamp	1189.00
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MODEL 143 COMBINATION BAND SAW

1430030	14" MTL, 3/4hp, 1 ph, 115v, lamp	1797.00
1430040	14" MTL, 3/4hp, 3 ph, 230v, lamp	1797.00

MODEL 81 BANDSAW

1810030	20" Bandsaw, 1" bl, 2hp, 3ph, 230v, mag. con.	2873.00
1810040	20" Bandsaw, 1" bl, 1 1/2 hp, 1 ph, 230v, mag. con.	2873.00

MODEL FS305 JOINTER

1790200	12" Jointer, 4hp, 3ph, 230v	3300.00
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MODEL FS430 JOINTER

1790205	17" Jointer, 7 1/2hp, 3ph, 230v	5200.00
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MODEL NV150 EDGE SANDER

1790401	3hp, 3ph, 230v	2600.00
1790403	3hp, 1ph, 230v	2670.00

MODEL LV150 EDGE SANDER

1790500	Oscillating, 3hp, 3ph, 230v	3712.00
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MODEL TS120 HEAVY-DUTY SHAPER

1790005	4hp, 3ph, 230/460v (wired for 230v)	3229.00
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MODEL BW900 BAND SAW

1790100	36", 7 1/2"hp, 3ph, 230/460v (wired for 230v)	4671.00
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MODEL FCS 715 OVERARM ROUTER

1790715	230v	6080.00
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1790803	18" Cut-Off saw, 10hp, 3ph, 230/460v, left	2870.00
1790806	18" Cut-Off saw, 10hp, 3ph, 230/460v, right	2870.00
1790800	Phase III Feeder, 1hp, 3ph, 4sp, 230v	675.00
1790807	Phase I Feeder, 1hp, 1ph, 4sp, 115v	895.00
1263060	Accu-Door System	12,150.00
1790801	Heavy-Duty Shaper, 7 1/2hp, 3ph, 230/460v	3500.00
1790804	Wide Belt Sander, 25", 10hp, 3ph, 230v	6630.00
1790808	Wide Belt Sander, 25", 10hp, 1ph, 230v	7450.00
1790805	Wide Belt Sander, 37", 15hp, 3ph, 230v	9500.00