



## **FITEL**<sup>®</sup> FEATURED PRODUCTS

### OPTICAL FIBER SOLUTIONS FOR FUSION SPLICING



Optical fiber plays a critical role in today's communication networks - from Telecommunications to CATV to Data Centers. OFS is a major provider of high quality optical fiber and fiber optic products. This includes the complete line of Furukawa Electric's FITEL fusion splicing machines that produce highly accurate, reliable splices with minimal loss. FITEL fusion splicers are designed using state-of-the-art technology, decades of manufacturing experience and countless customer installations. You will find that FITEL splicers are simple to use yet provide precise and reliable splices that support a full range of applications.



**Scan Here** to learn more about our Fusion Splicer products!

## FITEL® FEATURED PRODUCTS HANDHELD FUSION SPLICERS

**FITEL**®  
FUSION SPLICERS



### S124M12 Mass Fusion Splicer Kit

P/N: S124M12-200/250-kit

#### KIT CONTAINS:

- S124M12 Splicer main body
- FGV-P250/P200 250  $\mu$ m and 200  $\mu$ m exchangeable V-grooves
- HCC-05 Hard carrying case
- S712-12 250  $\mu$ m 12-fiber flat ribbon fiber holders (pair)
- S712-12e 250  $\mu$ m 12-fiber rollable ribbon fiber holders (pair)
- S712-12e-P200 200  $\mu$ m 12-fiber rollable ribbon fiber holders (pair)
- S947 Battery (installed)
- S979 AC adapter for fusion splicer
- ELR-01 Spare electrodes
- D5111 Electrode cleaning disk
- VGC-01 V-groove cleaning brush
- ARS-01 Anti-reflective sheet
- CTX-03 Cooling tray
- WFD-01 Wi-Fi dongle
- S218R-200 Thermal stripper
- S326R Precision ribbon cleaver
- FPF-01 Fiber prep fluid
- FW-01 Fiber wipes



### S179A Core Align Fusion Splicer Kit

P/N: S179A-EX-900-V2

#### EXTENDED KIT CONTAINS:

- S179A-3-1 Splicer main body
- HCC-05 Hard carrying case
- S712S-250 250 $\mu$ m Fiber holders
- S712S-900 900 $\mu$ m Fiber holders
- S947A Battery (installed)
- S979A AC adapter for fusion splicer
- ELR-01 Spare electrodes
- D5111 Electrode cleaning disk
- VGC-01 V-groove cleaning brush
- S211B Fiber stripper
- S326A One-Step high precision cleaver
- FPF-01 Fiber prep fluid
- FW-01 Fiber wipes



**NINJA Handheld Fusion Kit**

P/N: NJ001-3-EX-900-V1

**VALUE KIT CONTAINS:**

- NJ001-3 Splicer main body
- HCC-09 Hard carrying case
- S712S-250 250  $\mu$ m Fiber holders
- S712S-900 900  $\mu$ m Fiber holders
- S946 Battery (installed)
- S978A AC adapter for fusion splicer
- ELR-01 Electrodes
- D5111 Electrode cleaning disk
- VGC-01 V-groove cleaning brush
- S211B Fiber optic stripper
- S326A Precision cleaver
- FPF-01 Fiber prep fluid
- FW-01 Fiber wipes



**EZ-Terminator<sup>®</sup> Kit-B**

P/N: NJ001-3-VK-250-V1

**VALUE KIT CONTAINS:**

- ET-001 Termination tool main body
- SCC-01 Soft carrying case
- S712S-900-L 900  $\mu$ m left fiber holder
- S712C-FSOC-1-L Left cordage holder
- S946 Battery (installed)
- S978A AC adapter for fusion splicer
- ELR-01 Electrodes
- D5111 Electrode cleaning disk
- VGC-01 V-groove cleaning brush
- S211B Fiber optic stripper
- S326A Precision cleaver
- FPF-01 Fiber prep fluid
- FW-01 Fiber wipes

## FITEL® FEATURED PRODUCTS FACTORY/ HIGH END SPLICING MACHINES



### FITEL S185HS/ S185PM

#### FEATURES AND BENEFITS:

- Fusion Splicer for PM fiber splicing and high strength splicing
- Low splice loss
- Compact size
- Portability by built-in battery (optional)
- Easy operation by LCD screen with touch panel
- Fiber clamp can be detached from canopy
- Remote control by Wi-Fi communication

#### PRODUCT DESCRIPTION:

The FITEL S185HS/ S185PM High-end Fusion Splicers are designed for splicing specialty fibers that are required for factory, manufacturing, and R&D applications. The compact but powerful design has been optimized for use in the optical component and optical sensor fields. By targeting specific functions required in these applications, exceptional performance is achieved at a reduced cost.



### FITEL S185LDF/ S185PMLDF

#### FEATURES AND BENEFITS:

- Large diameter fiber splicing up to 500  $\mu\text{m}$
- Low splice loss
- Compact size
- Portability by built-in battery (optional)
- Easy operation by LCD screen with touch panel
- Fiber clamp can be detached from canopy
- Remote control by Wi-Fi communication

#### PRODUCT DESCRIPTION:

The FITEL S185LDF / S185PMLDF High-end Fusion Splicers are designed for splicing up to 500  $\mu\text{m}$  cladding fiber or 500  $\mu\text{m}$  PM fiber with low splice loss. The powerful and compact design has been optimized for the Fiber laser industry. The new fiber alignment mechanism delivers low splice loss. The new design also allows the fiber clamps to close gently to reduce the possibility of damage to the fiber. Battery operation and a compact design make it easy to transport the LDF fusion splicer.



### **S326A Hand-Held High Precision Cleaver**

P/N: S326A

- One-step action
- Easy fiber loading
- All fiber types, single to 12-fiber ribbons
- Clad Diameter: 0.125 mm
- Coating Diameter: 0.25 mm and 0.9 mm for single fiber; 0.3 mm to 0.4 mm thickness for ribbons
- Cleave Length:  
Single Fiber: Fixed length - 10 & 16 mm, Variable length - 3 to 20 mm  
Ribbon Fiber: 10 mm Fixed length
- Dimensions/Weight: 96 W X 79 D X 56 H mm, /250g
- Simple operation
- High capacity fiber waste collection bin
- Durable design
- Easy maintenance on-site
- Up to 48,000 cleaves per blade



### **S326R Single Fiber Cleaver**

P/N: S326R

- New fiber alignment mechanism to ensure quality cleaving
- One-Step action
- Easy fiber loading
- All fiber types, single to 12-fiber flat and rollable ribbons
- Clad Diameter: 0.125mm
- Coating Diameter: 0.20 mm and 0.9 mm for single fiber; 0.2 mm to 0.4 mm thickness for ribbons
- Cleave Length:  
Single Fiber: 10 mm Fixed Length  
Ribbon Fiber: 10 mm Fixed Length
- Dimensions/Weight: 96 W x 79 D x 56 H mm/260 g
- Simple operation
- High capacity anti-static waste bin
- Durable design
- Easy maintenance
- Up to 48,000 cleaves per blade



### **S218R-Plus Thermal Stripper**

P/N: S218R-Plus

- All fiber types, single to 12-fiber flat and rollable ribbons
- Clad Diameter: 125  $\mu\text{m}$
- Coating Diameter: 250  $\mu\text{m}$  to 400  $\mu\text{m}$  for single fiber; 300  $\mu\text{m}$  to 400  $\mu\text{m}$  thickness for ribbons
- Exceptional stripping for single and ribbon fiber
- Simple operation via built-in battery or AC power
- Built-in battery charger
- Battery run time: Approximately 10 hours
- Durable design
- Easy maintenance on-Site
- RoHS compliant



### **S218R-200 Thermal Stripper**

P/N: S218R-200

- All fiber types, single to 12-fiber flat and rollable ribbons
- Clad Diameter: 125  $\mu\text{m}$
- Coating Diameter: 200  $\mu\text{m}$  to 400  $\mu\text{m}$  for single fiber; 200  $\mu\text{m}$  to 400  $\mu\text{m}$  thickness for ribbons
- Exceptional stripping for single and ribbon fiber
- Simple operation via built-in battery or AC power
- Built-in battery charger
- Battery run time: Approximately 10 hours
- Durable design
- Easy maintenance
- RoHS compliant





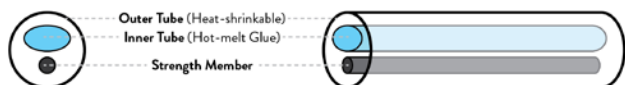
**Prep Fluid and Fiber Wipes**

P/N: FPF-01 (3 oz. prep fluid)

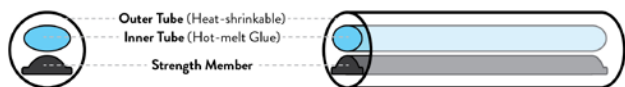
P/N: FPF-02 (10 oz. prep fluid)

P/N: FW-01 (fiber wipes)

**S921 PROTECTION SLEEVE**



**S927R PROTECTION SLEEVE**



**Protection Sleeves**

P/N: See table below for ordering information.

OFS offers a wide variety of protection sleeves to accommodate single and ribbon fiber. FITEL's protection sleeves come in ribbon, standard, slim, mini, and micro sizes. They are composed of an outer and inner sleeve reinforced by an internal member made of stainless steel or ceramics.

Model	Applicable Fiber	Length	Strength Member Material	Pieces/ pack
S921	Single fiber, 0.25-0.9 mm coating diameter	60 mm	Stainless steel	50
S922	Single fiber, 0.25-0.9 mm coating diameter	40 mm	Stainless steel	50
S924	Single fiber and up to 8-fiber ribbon	40 mm	Quartz	25
S927A	Single fiber and up to 8-fiber ribbon	40 mm	Ceramic	100
S927B	Single fiber and up to 12-fiber ribbon	40 mm	Ceramic	100
S927R	Single fiber and up to 12-fiber rollable ribbon	40 mm	Ceramic	25
S928A20		20 mm	Stainless steel	100
S928A25	Single fiber, 0.25 - 0.4 mm coating diameter	25 mm	Stainless steel	100
S928A35		35 mm	Stainless steel	100



**EZ-Tool for EZ!Fuse® SOC's**

P/N: EZT-01

Ring and slit tool for EZ!Fuse SOC 2/3 mm SC/LC assemblies.



**Rollable Ribbon Separation Tool**

P/N: RST-01

Separates 12F Rollable Ribbon into single fibers.

**FIBER IDENTIFIER**



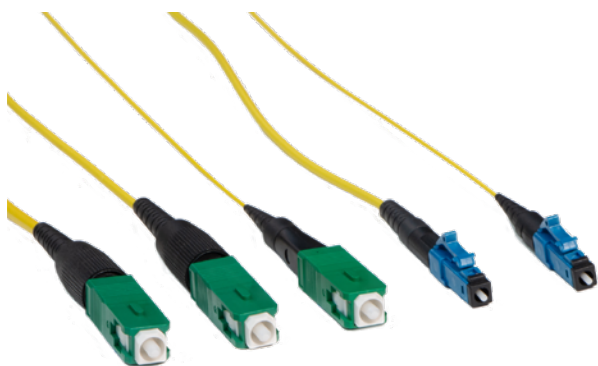
**ID-H Optical Fiber Identifier**

P/N: ID-H/R v3

The ID-H/R Fiber Identifier is a lightweight, handheld, easy to use tool to safely and effectively identify the transmission direction and relative core power on live optical fibers.

- Universal head design
- 250  $\mu$ m fiber, 900  $\mu$ m fiber
- 1.6 mm to 3 mm cordage
- LCD screen
- Detection light level, Modulation frequency
- Detect the tone signal and traffic signal
- Detects the signal without disrupting traffic
- Light weight design for easy handling
- Weight: 170g
- Super low insertion loss





### EZ!Fuse® Splice On Connector

- Simple, Fast & Consistent Field Terminations
- No Polishing or Epoxy
- Simplifies Fiber Management

OFS's new Splice On Connector termination system allows for easy termination and flexibility in the field. The "splice-on" connector (SOC) eliminates the need for field polishing and significantly improves the quality of the termination and installation time required. The connector is easily assembled by using a process that requires minimal skill or training. These connectors are optimal for use in FTTx application. Both UPC and APC polishing are available for single-mode fiber.

EZ!Fuse Splice On Connectors are compatible with the FITEL Fusion Splicers models for listing S179, S178, Ninja, and the EZ-Terminator®.

Product Code	Description	MOQ
FSOC-SC09-SM-U	SC connector, SM UPC polishing for 250/900µm fiber	10 connectors One S712C-SGS9C-R-P is supplied with each MOQ of 10 connectors.
FSOC-SC23-SM-U	SC connector, SM UPC polishing for 2/3mm cordage	
FSOC-SC09-SM-A	SC connector, SM APC polishing for 250/900µm fiber	
FSOC-SC23-SM-A	SC connector, SM APC polishing for 2/3mm cordage	
FSOC-SC09-M3-P	SC connector, OM3 PC polishing for 250/900µm fiber	
FSOC-SC23-M3-P	SC connector, OM3 PC polishing for 2/3mm cordage	
FSOC-SC09-M1-P	SC connector, OM1 PC polishing for 250/900µm fiber	
FSOC-SC23-M1-P	SC connector, OM1 PC polishing for 2/3mm cordage	
FSOC-SC48-SM-U	SC connector, SM UPC polishing for 4.8mm cordage	
FSOC-SC48-SM-A	SC connector, SM APC polishing for 4.8mm cordage	
FSOC-SC12-SM-U	SC connector, SM UPC polishing for 1.2mm cordage	
FSOC-SC12-SM-A	SC connector, SM APC polishing for 1.2mm cordage	
FSOC-LC09-SM-U	LC connector, SM UPC polishing for 250/900µm fiber	
FSOC-LC20-SM-U	LC connector, SM UPC polishing for 2mm cordage	
FSOC-LC09-SM-A	LC connector, SM APC polishing for 250/900µm fiber	
FSOC-LC20-SM-A	LC connector, SM APC polishing for 2mm cordage	
FSOC-LC09-M3-P	LC connector, OM3 PC polishing for 250/900µm fiber	
FSOC-LC20-M3-P	LC connector, OM3 PC polishing for 2mm cordage	
FSOC-LC09-M1-P	LC connector, OM1 PC polishing for 250/900µm fiber	
FSOC-LC20-M1-P	LC connector, OM1 PC polishing for 2mm cordage	



For additional information please contact your sales representative.

You can also visit our website at [www.ofsoptics.com](http://www.ofsoptics.com)  
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