



### THERMAL DEBURRING OF ENGINE COMPONENTS

For a leading company in the automotive industry, the technicians from ATL Anlagentechnik Luhden GmbH developed the biggest long chamber machine including a semi-automatic handling system. For the factory in the border triangle, the manufacturer extended its machinery by an *iTEM400* to thermally deburr further motor components made of aluminium and stainless steel.

This German internationally leading engine technology group is an accredited systems supplier for the most prestigious manufacturers. Specifically for this field, the group relies on a specially developed TEM machine from Luhden. The *iTEM200/1200* LC (Long Chamber) is specially developed for the thermal deburring of shafts for rocker arms (truck engines). The task that is to be performed is both simple and challenging: repeatable removal of burrs.



Industry	truck industry
Workpiece	rocker arm
Task	removal of all outer and inner burrs
Replaced process	robot/manual deburring
ATL optimization	cycle time 60 sec./8 components

Industry	truck industry
Workpiece	axle for rocker arm
Task	repeatable removal of burrs
Replaced process	manual deburring
ATL optimization	<i>iTEM Long Chamber</i> (custom-made product) chamber size Ø 200 x H 1.200 mm





### THERMAL DEBURRING OF ENGINE COMPONENTS

For a leading company in the automotive industry, the technicians from ATL Anlagentechnik Luhden GmbH developed the biggest long chamber machine so far including a semi-automatic handling system. By expanding the machine park with our TEM system, the producer is now able to thermally deburr further engine components made of aluminum and stainless steel.

The iTEM200/1200 LC (Long Chamber) is specially developed for the thermal deburring of shafts for rocker arms (truck engines). The task that is to be performed is both simple and challenging: repeatable removal of burrs.



Industry	truck engines
Workpiece	rocker arm
Task	remove all outside and inside burrs
Replaced prozess	robot / manual deburring
ATL optimization	cycle time approx 11 sec./workpiece

Industry	truck engines
Workpiece	axle for rocker arm
Task	repeatable removal of insoluble burrs
Replaced prozess	deburring
ATL optimization	iTEM Long Chamber (special production) camber size Ø 200 x H 1.200 mm

