

# FLEXIBLE BORESCOPE BLENDING TOOL



The Flexible Borescope Blending Tool is used to repair damage to turbine blades without time-consuming disassembly of the engine. It has easily interchangeable tool heads and is perfect for a variety of repair procedures such as grinding, milling and polishing. The 4-way tip deflection at the distal end gives the tool head good access to difficult-to-reach sites inside the turbine. The 1:1 gear ratio of the handpiece control wheels permits precise, intuitive tool positioning. Engraved marks on the handpiece indicate the user the exact degree of tip deflection. The micromotor control allows stepless adjustment of the motor speed. A separate visualization system (videoscope, endoscopic camera system) is required to visualize the repair site.

## MAIN FEATURES

- Flexible, wear-resistant shaft, available in different lengths
- Exact positioning thanks to 4-way tip deflection
- Precision control of distal end due to mechanical 1:1 gear ratio
- Engraved marks on the handpiece indicate the degree of tip deflection
- Easily interchangeable tool heads
- High-quality motor control with brushless micro motor
- Infinitely variable motor speed from 1,000 - 40,000 rpm, on and off via foot switch



Precision control due to mechanical 1:1 gear ratio



Removal of damaged material and turbine blade smoothing



Easily interchangeable tool heads



You couldn't find a suitable product in our range? We would be delighted to discuss your product requirements and applications with you to find a solution.

Our team is looking forward to your call under +49 7666-908-0

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## FLEXIBLE BORESCOPE BLENDING TOOL

Technical Data	FBTMD.0101450	FBTMD.0102000
Length flexible shaft	1,250 mm	1,800 mm
Length to center of handpiece	1,450 mm	2,000 mm
Length shaft incl. motor	1,750 mm	2,300 mm
Probe diameter	10 mm	
Deflection at distal end	max. +/- 90°	
Min. bending radius at distal end	50 mm	
Material	tungsten braid /stainless steel	

## MICROMOTOR

Dimension	OD 24.5 x 97 mm
Max. power	73 W
Cable length	1.5 m
Weight (without cable)	90 g
Speed	1,000 - max. 40,000 rpm

## MICROMOTOR CONTROL

Dimension (W x L x H)	130 x 254 x 97 mm
Power supply	230 V, 50/60 Hz
Weight	2.3 Kg

## ACCESSORIES

Included in the scope of supply is a foot switch for the motor control, a grinding head HEGRDIFL06A (flame), a milling head HEMIMEFL06A (flame), a variable arm with clamp and instructions for use.

## TOOL HEADS

There are various tool heads available. A tool head consists of a tool insert and bearing with a threaded connection for the shaft.

Item number	Description
HEGRDICO06A	Grinding head complete, diamond; pointed cone; with bearing
HEGRDIDI06A	Grinding head complete, diamond; diablo; with bearing
HEGRDIFL06A	Grinding head complete, diamond; flame; with bearing
HEMIMECO06A	Milling head complete, carbide; pointed cone; with bearing
HEMIMEFL06A	Milling head complete, carbide; flame; with bearing
HEPOCOAR08A	Polishing head complete, corundum; pointed arch; with bearing
HEPOCOBA06A	Polishing head complete, corundum; ball; with bearing