

FLEXIBLE BORESCOPE BLENDING TOOL ON-WING REPAIRS ON ENGINES



For efficient repairs directly on the turbine



MICROMOTOR CONTROL

The motor speed is set using a control dial. A foot switch is used to switch the motor on and off.



FLEXIBLE, WEAR-RESISTANT SHAFT

The flexible shaft, which comprises a robust tungsten braid and stainless-steel conduit, is available in different lengths.

INTUITIVE OPERATION

The 1:1 gear ratio enables the user to control the distal end of the Blending Tool with extreme precision. Engraved marks on the handpiece indicate the degree of tip deflection.

MICROMOTOR

Powerful brushless motor with a speed range of between 1,000 and 40,000 rpm.

4-WAY TIP DEFLECTION

The 4-way, 90° tip deflection gives the tool a large range of movement and allows for precision positioning within the engine.

DIFFERENT TOOL HEADS

Threaded connections allow the robust, hard-wearing tool heads for milling, grinding, and polishing to be interchanged easily. These consist of a tool insert and mounting, which are also available as spare parts.



EXCELLENCE INSIDE

FLEXIBLE BORESCOPE BLENDING TOOL FOR COST-EFFICIENT REPAIRS.

Fast, reliable repairs without engine disassembly with the fully Flexible Borescope Blending Tool from SCHÖLLY.

Foreign objects, such as grains of sand or remains from a bird strike, can cause damage to turbines. As turbine removal is extremely time and cost intensive, defects such as cracks or scores on turbine blades can be repaired on-wing with the Borescope Blending Tool; that is, without time-consuming engine disassembly. The process involves removing the damaged material and smoothing the defect site, which effectively prevents any worsening of the crack and future shedding of material. This also means that the turbine will not be out of service for a prolonged period as a result of its disassembly.



Ideal for harsh environments

The Flexible Borescope Blending Tool from SCHÖLLY 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. The long, flexible shaft with tungsten braid and stainless-steel conduits is highly abrasion resistant, making it ideal for daily use in harsh environments. A separate visualization system, such as a videoscope or an endoscopic camera system, is required to visualize the repair site.



Precision control due to mechanical 1:1 gear ratio



Removal of damaged material and turbine blade smoothing



Easily interchangeable tool heads

BENEFITS AT A GLANCE

- Highly flexible tool positioning thanks to 4-way tip deflection
- Precision control due to mechanical 1:1 gear ratio
- Easily interchangeable tool heads
- Use your existing visualization system together with the Flexible Borescope Blending Tool



Included in the practical carry case: flexible shaft with handpiece, micromotor, micromotor control, foot switch, 2 tool heads, and variable articulated arm with desk clamp

ABOUT SCHÖLLY

SCHÖLLY FIBEROPTIC GMBH is a global, family-owned company, headquartered in Denzlingen, Germany. The core competencies are the engineering and production of customized visualization systems. SCHÖLLY develops high-end solutions for the business segments Medical Endoscopy and Visual inspection. SCHÖLLY offers a wide range of products, adjusted to market specific requirements. The product range consists of endoscopes, camera systems, light modules and complex visualization systems. For development and production the company benefits from in-depth application knowledge, state-of-the-art technologies and high production expertise. Since its foundation in 1973, SCHÖLLY has developed to a global company with 700 employees in six countries. In its headquarters in Denzlingen around 400 people are employed.



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