

engraflexx LC-U / BA

The engraflexx LC-U/BA tool type is based on the engraflexx LC-U, which is also equipped with a spring-mounted, ring-shaped brush attachment. The tool was designed for deburring workpieces where there is a demand for absolute deburring freedom, i.e. where no secondary deburring whatsoever is permitted.

Dimensional and position differences are compensated for by the spring-mounted spindle in accordance with the deburring process with the engraflexx LC-U, i.e. the actual deburring is carried out by the router bit clamped in the tool. Any secondary burring that occurs is eliminated again in the same work step by the ring brush.

Field of application

Complete secondary burring-free deburring of any workpieces with deviating or unclear positioning.

General information

- Use in machining centres, automatic lathes, special systems, robots etc. (no additional installations required)
- Direct drive via machine spindle resp. power unit (speed range approx. 3'000 - 6'000 rpm)
- Standard model with 20 mm Weldon shank (ICS version and various special holders optionally available)

Tool specifications

- Integrated, **axial deflection function up to max 10 mm**
- Adjustable force of the axial spindle deflection (pressure-active)
 - stepless adjustment via knurled sleeve and spindle adjustment
 - setting readable on engraved scale
- Uniform deburring, independent of the lateral dimension deviations or height differences of the workpieces
- Collet chuck for holding the processing tools
 - standard diameter 6 mm (further diameters on request)
- Extremely high degree of process reliability due to mechanical deflection function integrated into the tool
 - designed for series production, completely maintenance-free
- Short deburring time
 - feed speed approx. 2'000 – 8'000 rpm depending on the application
- High removal rate due to use of carbide rotor pins
 - easily replaceable via collet
 - can be used for practically any machinable materials
- axially movable ring brush
 - automatic positioning and wear compensation due to spring pretensioning
 - ring brush is easy to replace

