

## engraflexx LC-U

The core element of the engraflexx LC-U tool type is the axially movable mounted tool spindle. No special features need to be taken into consideration when using the LC-U with regard to maximum rpm etc. thanks to the centrally guided spindle.

The axial spindle pre-tension force is continuously adjustable to the respective situation and can be set with an Allen key through the tool shank. An extremely wide adjustment range for the different usage cases can be covered by the additional adjusting facility in the tool spindle.

The tool is mainly used for the deburring of workpiece edges with position differences in the axial and/or radial direction. Other application options are the milling of protruding material residue on cast workpieces etc., for example.

### Field of application

Deburring and reworking 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 - 15'000 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 mm/min 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
- Additional usage options of different end milling cutters, grinding bits etc.
  - for surface finishing, levelling of protruding material residue etc.

