

engraflexx LC-UD / HSK63

The core element of the engraflexx LC-UD tool type is the mounted tool spindle, which is axially movable in both directions. The tool can therefore be used for deburring work on the top and rear of the horizontal workpiece edges.

The starting position of the spindle is pre-tensioned at both sides (pressure and tensile) in the defined centre position due to the double-sided stop system. The ratio between the tensile setting and the pressure setting can be individually balanced using the adjusting sleeve or setting screw (adaptation to vertical and horizontal use of the tool).

The tool is mainly used for the deburring of reworked housing breakthroughs and workpieces on which top and bottom with position differences are present.

Field of application

Deburring of any workpieces **with deviating top and bottom edges which have to be machined from one side.**

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)
- Special version with integrated tool holder HSK63 (ICS version and various special holders optionally available)

Tool specifications

- Special version with integrated, **axial spindle-deflection function of max. 10 mm (with shift at tensile or pressure side)**
- Adjustable compensation function between tensile and pressure pre-tension
 - stepless adjustable adjustment via adjusting screw
- Uniform deburring, independent of the lateral dimension deviations or height differences of the workpieces
- Collet chuck for holding the processing tools
 - standard diameter 8 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
- Additional usage options of different end milling cutters, grinding bits etc.

