

## engraflexx SX

The unique stability and the extremely quiet operation of the lateral deflection spindle are the main features of the engraflexx SX. This tool system is used for deburring or part reworking on robots or special systems, and also on CNC machines. Anywhere where contours are being machined on workpieces whose dimensional or position differences have to be compensated for automatically and with maximum process-safety.

The result: deburring or part reworking is always carried out evenly, regardless of any dimensional or positional deviations.

### Field of application

Deburring and reworking of any workpieces  
with different or undefined edges.

### General information

- Universal use in robots and special systems
- Any drive motor can be fitted
- Extremely slim spindle design
- Stable flange mounting

### Tool specifications

- Integrated, lateral deflection function up to max 15 mm
  - unchanged deflection force even with larger spindle deflection
  - uniform deburring, independent of dimensional deviations
- Collet chuck for holding the processing tools
  - standard diameter 6 mm (further diameters on request)
- Lateral spindle deflection with adjustable deflection force
  - mechanically, preloaded via spring package
  - stepless adjustment via knurled sleeve
  - setting readable on engraved scale
- Separate, extremely stable spindle bearing
  - outstanding stability and quiet operation
  - speed limits: Standard 20'000 rpm, special 30'000 rpm
  - complete absorption of the machining forces that are applied
- Total weight of the spindle unit: 1.8 kg

### Optionen:

- lateral workpiece stop
  - milling of bigger and/or absolutely dimensionally accurate chamfers
  - milling of seamless radii
- Version BAZ: use in machining centres

