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engraflexx EC-E (special design for brush application)

This special design with lateral deflection is used for fine deburring and reworking tasks on a wide range of workpieces. Processing tools suitable for use here include radial brushes, grinding bits and other grinding and polishing tools.
Mass and position differences in the processing surface are automatically compensated for by the deflecting spindle. The deflection force of the spindle can also be steplessly adjusted, so that work can always take place at the optimum pressure.

Upshot: using the engraflexx EC-E it is possible to take on previously unimagined deburring and rework tasks – with the greatest possible process reliability and automatic wear compensation of the processing tools.

Range of application

Defined, fine deburring and rework of arbitrary workpiece contours with radial brushes, grinding or polishing tools.

General information

- Use in machining centres, automatic lathes, special systems, robots etc. (no additional installations required)
- Direct drive via machine spindle
- Standard model with 20 mm Weldon shank (ICS version and various special holders optionally available)

Tool specifications

- Integrated, lateral deflection function up to max 12 mm
- Collet chuck for holding the processing tools
  - standard diameter 6 mm (further diameters on request)
- Lateral spindle deflection with adjustable deflection force
  - stepless adjustment via knurled sleeve
  - setting readable on engraved scale
- Extremely high degree of process reliability due to mechanical deflection function integrated into the tool
  - designed for series production, completely maintenance-free

Advantages compared to fixed clamped brushes

- Automatic wear compensation of the deburring brush
  - less brush wear
  - conditions always consistent
  - no periodic readjustment required
- Easy to use, low-wear brushes (usually with stainless steel wire)
  - no contamination of the coolant due to abrasive residues
  - massive savings when purchasing brushes in some cases