



THE MACHINE:
HAUSER 2000

MACHINE SPECIFICATION

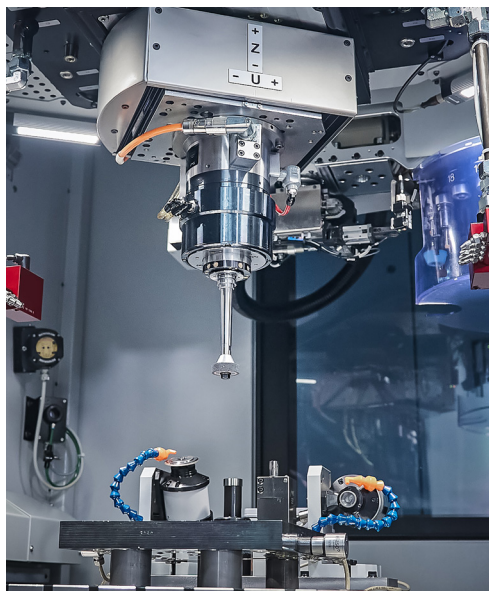
- 650 x 400 mm (25.590" x 15.748") Table Size
- U-Axis with 50mm travel
- 70,000 RPM grinding Spindle
- 120,000 RPM grinding Turbine
- ATC (Automatic Tool Changer) up to 22 Toolholders
- Hand scraped sliding guide ways
- Renishaw Probe for best fitting Zero Points
- 6 Simultaneously controllable CNC axes and up to 8 with rotary and swiveling table.
- Hard Milling Capabilities
- Exchangeable grinding spindles

THE INDUSTRY:
CARBIDE DIES & TOOLING

Carbide is used heavily in the canning, bullet, punch, and other precision machining applications across the globe. Traditionally intricate profile and radius requirements were reserved for more costly and complicated manufacturing techniques. With the demand for Carbide dies spiking globally manufacturers are looking for more efficient and cost-effective solutions to install.



FOR MORE INFO
SCAN THE QR CODE



THE APPLICATION:
INDUSTRY DIE

BORE GRINDING CYCLE:

- Bore grinding in Planetary Mode using Z-/ U- and C-axis
- Bore grinding without circular X-/Y- axis interpolation

CHOP GRINDING CYCLE:

- used for bores and contour grinding
- fast oscillation, low feed rate
- infeed max 0.1mm
- high surface quality

CONTOUR GRINDING CYCLE:

- with automatic C- axis follow-up
- using the U-axis in an offset position

TAPER GRINDING CYCLE:

- simultaneous Z- and U-axis interpolation

WIPE GRINDING

- The grinding wheel follows the circumference of the contour.
- The contour height must be smaller than the height of the grinding tool (High feed speeds)

This solution is superior because it combines the efficiency of grinding straight diameters and following it up with the ease and control of single point turning pertaining to tight profile tolerances. When you add in our on-board polishing feature this turn/grind/polish solution is the most efficient way to manufacture Draw Dies in a single setup. This solution is superior because it combines the efficiency of grinding straight diameters and following it up with the ease and control of single point turning pertaining to tight profile tolerances. When you add in our on-board polishing feature this turn/grind/polish solution is the most efficient way to manufacture Draw Dies in a single setup.