

Technical Commercial Data Sheet
CNC Knurling Machine - AS 142 Z



TECHNICAL SPECIFICATIONS

- Three-phase motors, 4 kW – 200-600 V – 50/60 Hz
- Adjustable bar feed speed featuring an automatic bar acceleration and braking system.
- The safety system on the cutter block is engineered to prevent the mechanical components from becoming overloaded.
- Bar feed speed: Minimum 30 m/min – Maximum 230 m/min
- Diameter of knurled cutters: 80 mm
- Cutter stroke: transverse 7 - 256 mm, vertical 0 – 250 mm
- Working capacity (profile dimensions): Maximum width 400 mm
Maximum height 250 mm
(281 mm with cutters angled at 10°)
- Cutter inclination: ± 10 degrees
- Transversal adjustment of cutters achieved through a brushless motor.
- Vertical adjustment of cutters achieved through two independent brushless motors.
- Machine dimensions: 950 mm (width) x 1257 mm (depth) x 1843 mm (height)
- Machine weight: 640 kg

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MILLING

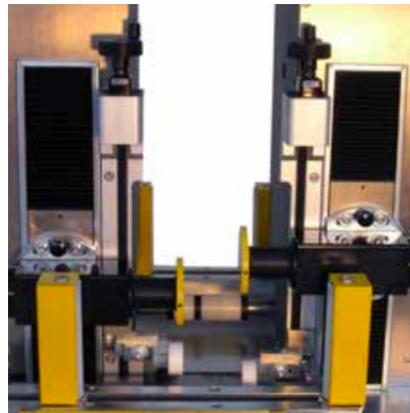
Constructed from exceptionally wear-resistant steel, they are provided with a variable number of cutting edges, contingent upon the mechanical properties of the profiles to be knurled.

Position adjustment through lateral movement of the moving head exclusively, along with independent vertical movement of the two heads utilizing brushless motors.

The operational orientation of the cutters can be adjusted by tilting the heads +/- 10 degrees from the vertical.

GUIDANCE SYSTEM

Utilizing rapid-change sliding rollers constructed from anti-abrasive materials and featuring a modular design, capable of accommodating non-planar profiles as well. Idle conveyor rollers that assist in the entry of the profile into the machine. Idle conveyor rollers that aid in the exit of the knurled profile.



ACCESSORIES AVAILABLE UPON REQUEST.

- Specialized polymer roller kit for profile support
- Pair of specialized knurled cutters
- Lateral profile reinforcement
- Adjustable roller assembly for AS142Z
- Lower Knurling Set
- 90-Degree Knurling Kit
- Spacer kit designed to reposition the cutters away from the machine casings, facilitating work on profiles with substantial lateral dimensions.

STANDARD EQUIPMENT

- PLC Touchscreen with a 7-inch Display
- Standard polymer roller set for profile support
- Pair of Ø80 mm knurled cutting tools
- Drawings for the placement of profiles necessitating specialized kits
- Installation, Usage, and Maintenance Manual
- Service key set