

MU-TOOLS SA

IS THE SPECIALIST IN THE MANUFACTURING OF HONING TOOLS
FOR MICROMETRICALLY EXPANDABLE DIAMOND HONES AND
MANUAL AND AUTOMATIC HONING DEVICES.

Offering comprehensive service and in-house expertise of all manufacturing processes, MU-TOOLS completes its offering by providing honing machines equipped with the most advanced technology. With the development in 1998 of the world's smallest expandable hone, with a diameter of 0.6 mm, MU-TOOLS positions itself as a leader in micron precision.



MICRON PRECISION SO EASY



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Mμ-HS1
Mμ-HS2



Control is facilitated by a wheel for activating the digitized axes and by four control buttons for function activation and diameter correction in steps of +/- 0.001 and 0.0001.



Length (mm)	1800
Width (mm)	1000
Height (mm)	1700
Weight (Kg)	850 kg and 950 kg
Floor surface (m2)	1.8
Minimum air pressure (bar)	5.5
Power supply	400V AC - 50 Hz
Multifunction touch screen control	15"
Honing range (mm)	Ø 0.6 - 80 mm
Spindle height (mm)	130
Spindle speed (tr/min)	0-8000
Standard spindle motor torque (Nm)	11.4
Max. stroke length (mm)	350
Max. honing length (mm)	200
Max. table oscillation speed (m/s)	1.9
Light	Led
Oil tank (l)	120
Filtering tissue (µm)	10-15
Colours (Ral)	white RAL 9010 / black RAL 7016 / green RAL 6038

CUTTING
EDGE PRECISION
DESIGN

- Very short setup and changeover times thanks to easy handling and accessibility
- Repetition accuracy to 0.001 mm
- Solid construction and optimized ergonomics
- High precision production machine for small, medium, and large series
- Beckhoff interface: intelligent setup and user-friendliness
- Quick and self-centering honing tool fixation
- High flexibility when changing settings from one type of part to another
- Wide honing range Ø 0.6 - 80 mm
- Linear motor ensuring precise positioning of the workpiece

Mμ-HS2 ADDITIONAL FEATURES

- Two spindles capable of independent operations
- Ability to hone two pieces of different lengths

