

MICRA 10



Cuoghi MICRA 10 and MICRA 10 INTEGRAL sharpening machines are specifically designed and built for sharpening systems of the self-centering type. They are able to eliminate intermediate centering operations and ensure an adequate level of accuracy, both for HSS and carbide drills. The quality and accuracy of the MICRA 10 and MICRA 10 INTEGRAL sharpening systems are achieved thanks to highly advanced constructional technologies and by a more modern design, able to comply with the most modern ergonomic and functional dictates.



SHARPENING MACHINE MOD. MICRA 10

TECHNICAL SPECIFICATIONS:

Sharpening diameter	from 0.5 to 20 mm
Right and left cutting edges	2-3
Web thinning	negative
Drill angle	80°-180°
Cutting angle adjustment	0°-18°
Spindle motor power	0.18 kW
Motor rotation	clockwise and anticlockwise
Grinding wheel spindle speed	7100 rpm
Approximate weight	40 kg
Machine dimensions mm	570 x 500 x 520

SUPPLIED ACCESSORIES:

16x optical projector with LED light, one high precision 4-jaw chuck for clamping 0.5 to 6.35 mm drills, one collet chuck with set of collets for clamping 6 to 16 mm drills, halogen lamp, 3 grinding wheels

OPTIONAL EQUIPMENT:

one collet chuck with set of collets for clamping 16 to 20 mm drills, diamond and CBN grinding wheels, work table, which can also be fitted with the pneumatic cooling and suction system.

MICRA 10 INTEGRAL



With a single drill clamping operation, the two main sharpening rakes can be obtained in sequence on both cutting surfaces. The rake intersection will perfectly coincide with the drill center while the third rake will correspond to the thinned part of the web obtainable with

- negative geometry for HSS drills with conventional twist (Micra 10 and Micra 10 Integral)
- positive geometry for HSS drills with thick web and hard metal drills (Micra 10 Integral)



SHARPENING MACHINE MOD. MICRA 10 INTEGRAL

TECHNICAL SPECIFICATIONS:

Sharpening diameter	from 0.5 to 20 mm
Right and left cutting edges	2-3
Web thinning	negative and positive
Drill angle	80°-180°
Cutting angle adjustment	0°-18°
Spindle motor power	0.18 KW
Motor rotation	anticlockwise
Grinding wheel spindle speed	7100 rpm
Approximate weight	57 kg
Machine dimensions mm	680 x 500 x 520

SUPPLIED ACCESSORIES:

16x optical projector with LED light, one high precision 4-jaw chuck for clamping 0.5 to 6.35 mm drills, one collet chuck with set of collets for clamping 6 to 16 mm drills, one positive web thinning device, halogen lamp, 4 grinding wheels

OPTIONAL EQUIPMENT:

one collet chuck with set of collets for clamping 16 to 20 mm drills, diamond and CBN grinding wheels, work table, which can also be fitted with the pneumatic cooling and suction system.

MICRA 10 INTEGRAL

The advantages of this “3+3 rake” self-centering sharpening system can be briefly outlined in the following way:

- shorter drilling times
- longer tool life from one sharpening operation to the next
- increased boring depth between successive undercuts
- greater tool penetration with less machining tool stress
- can be used for the most varied ferrous and non-ferrous materials
- radial stability during drilling, with consequently less likelihood of twist edge seizure.

