



SIMPLE 500

UNIVERSAL MANUAL GRINDING MACHINE



SIMPLE AND VERSATILE

The range of universal grinding machines stand out for their reliability and great stability. They are characterised by high quality components and a vast range of accessories, which make the machine adaptable to any grinding and tooling application. The universal grinding machine can be used for grinding normal tools (mills, tips, taps, boring tools, countersink tools, lathe tools) or for small grinding applications (max 400 mm stroke) both on flat surfaces (tangential) and on round surfaces (hole ID / OD).

Monolithic structure made of cast iron to ensure precision cutting with vibration absorption during machining.



CHARACTERISTICS

- Particular body base made to gather lubrorefrigerant liquid.
- Monolithic structure made of cast iron.
- Rolling friction rail on worktable and support head carriage.
- Electric spindle driving with three-phase inverter, dynamic range (2000/7000Rpm).
- Double locking for wheel center.
- Predisposition power supply for optional accessories.
- Ergonomic design.
- Versatile.
- Reduced maintenance.

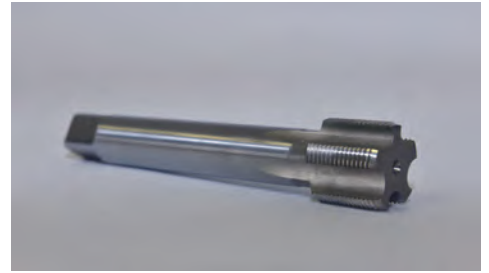
ACCESSORIES

- Orientable clamping head with disc and notches.
- Fixed and elastic tailstock with sliding sleeve.
- Pen-holder.
- Portable spindles.
- Diamond-holder.
- Centre measuring device.
- Service keys.
- Combitek.



BENEFITS

- Monolithic structure made of cast iron to ensure precision cutting with vibration absorption during machining.
- Internal production of all the pieces of the machines in order to reduce production time and guarantee reliability and high quality.
- Rolling friction rail to increase fluidity of the movements and sustain a high degree of workload.



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CHARACTERISTICS

Longitudinal axis - piece-holder table

Longitudinal useful stroke [mm]	500
Piece-holder table length [mm]	970
Piece-holder table width [mm]	120
Piece-holder table inclination on horizontal plane, micro-metric	$\pm 45^\circ, \pm 12^\circ$

Transverse axis - head-carriage

Transverse useful stroke [mm]	270
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Vertical axis - wheel centre head

Vertical useful stroke [mm]	230
Vertical stroke of wheel centre spindle on sliding head [mm]	140
Overall useful stroke [mm]	370
Planetary base orientation on horizontal plane, radius	$\pm 180^\circ, 90\text{mm}$
Wheel centre head orientation on horizontal plane	$\pm 180^\circ$

Wheel centre electrical spindle

Orientation on vertical plane	$\pm 180^\circ$
Speed of rotation in both directions	2000Rpm/7000Rpm
Motor power	1,5kW-2000Rpm/2,6kW-7000Rpm
Maximum diameter of installable grinders	150mm-2000Rpm/100mm-7000Rpm

Standard accessories

Tool attaching clamping head	ISO 50 CM4
Maximum distance between tailstock tips [mm]	680
Maximum diameter of installable tool on the tailstocks [mm]	275

Installed power

On board machine power [kW]	4
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Dimensions

Width x Depth x Height [mm]	1650x1250x1730
Overall weight [kg]	1100 approximately

