



GMATIC 3000 - 3 axis CNC work centre

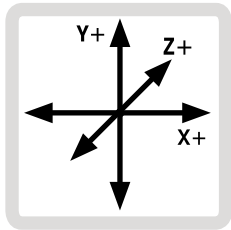
Solid, essential, equipped with accessories to simplify the execution of **counter tops, shower plates, inclined recessed kitchen tops, decorative elements, bas-relief and writing.**

The large mono block frame permits to position and to process slabs of large dimensions like those of new synthetic and ceramic materials. The work table is made of natural stone, rectified by the machine itself, and is easily accessible to load the work pieces.

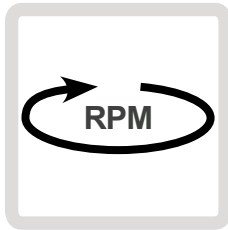
The Gmatic 3000 uses 4 brushless motors to move the axis on linear guides with recirculating ball bearings. The machine is available in a manual tool change version or with automatic tool change.

The control interface is a console provided with a comfortable large 21.5" touch screen, own GCAM software which has been especially developed for the stone industry. Intuitive and easily to use, it allows to create executable programs nearly instantly by pre-installed macros.

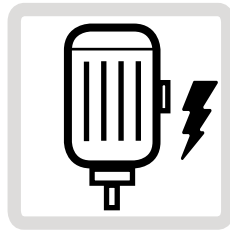




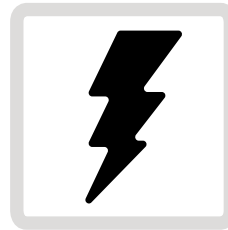
3000x1500x280



13.800



5 kW



400V - 220V
three-phase



2500 Kg



20' container

TECHNICAL DATA

Work table

- Work table: 2700 x 1200 mm made of pietra serena, calibrated by the machine itself
- Axis strokes: 3000 x 1500 x 280 mm

Framework

- Monobloc frame and bridge in processed steel protected by epoxy paint
- Footprint and weight: 4000 x 2500 x 1950 mm, 2500kg

Linear guides

- Tempered and passivated steel
- Linear guides with 4 rows of recirculating ball bearings

Operating head

- Electro spindle 5 kW (7HP)
- Max. RPM 13.800
- ISO 30 cones
- Nickel-plated spindle shaft
- Cooled by liquid
- 3 balls pincer
- Quick tool change
- Sensor to control coupling/uncoupling

Axis movements

- 4 brushless motors, 3,2 Nm torque
- Y axis with gantry control

Vacuum system

- Preinstalled vacuum distributor to supply 12 suction cups
- 2 high efficient vacuum Venturi system pumps require only simple maintenance

Control console

- 21.5" touch screen monitor, to keep under control any parameter
- LAN and WIFI connection for remote assistance
- dedicated graphic card
- SSD hard disc
- Automatic back up to avoid data losses
- Own proprietary software GCAM 3D – developed to process marble and granite
- CAD-CAM 2D, supported by pre-installed macros to program quickly any process in an utmost simple way

Laser

2 highly visible laser, to precisely position work pieces and suction cups

Power supply

- Electric: 400V 50/60 Hz three-phase (20A) or 220V 50/60 Hz three-phase (30A)
- Pneumatic: 10 bar pressure
- Compressed air: 300 l/min. A compressor of min. 4 kW with 500 l tank is recommended
- Water supply connection required (min. capacity 20 liters/min, pressure min. 2 bar)



TOOLS AND MACHINES

Ghines Group srl

via Marecchiese 364, 47923 Rimini (Italy)
tel. (+39) 0541 751080 fax (+39) 0541 751074
info@ghines.com www.ghines.com