

Internal and external profiling and polishing



The stone processing center ALL IN ONE



GHINES tools do not loose their shape!*

They always keep the same exact geometry and they are interchangeable without modifying the setting.

* except for position "green".



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TEMPLATE PLACED ON TOP OF THE WORK PIECE

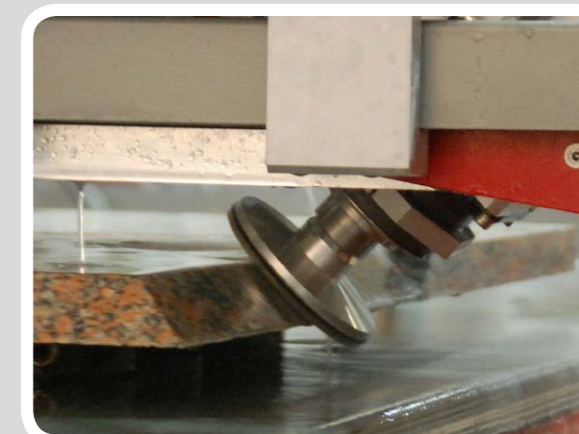
- speeds up the work preparation
- more power onto the tool
- faster cutting execution
- adaptable to all former models
- reduced footprint



COLPO D'OCCIO 5/2013

A PERFECT STONE PROCESSING CENTER

SYSTAR BASIC is a sturdy and well-designed machine capable of performing all the processing required to a stone fabrication workshop: **shaping and polishing of internal and external profiles, bevelling, drilling faucet holes, cutting sink cut-out and drain-boards; grooves and slots on edges, vertical and inclined cuts at 45°, polishing of straight and inclined edges.** You will be able to create **kitchen and vanity tops, arches, sills, stairs, shower bases, gravestones, and many other stone pieces** extremely easily.



Straight and inclined edge polishing

SYSTAR BASIC is simple to install and easy to use



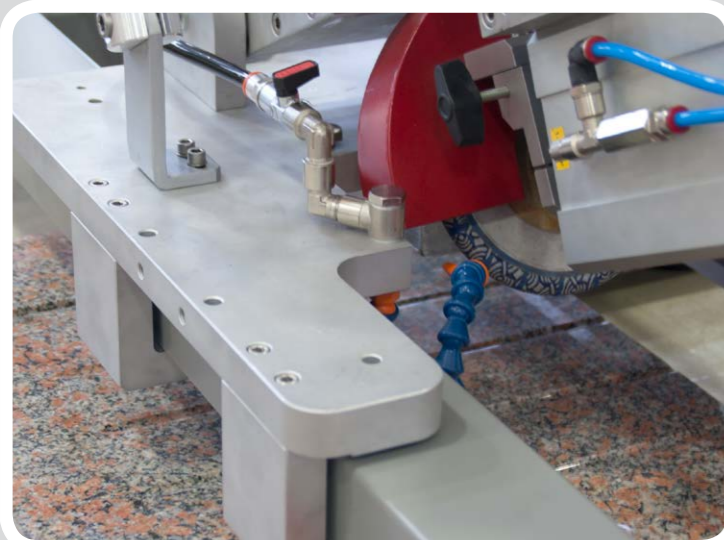
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HAND ASSEMBLED 



All the illustrations are purely indicative. The hereby enclosed data can be modified by the manufacturer at his discretion and without any notice.



Draining grooves

▲ The **operating head**, driven by a powerful and reliable electro-spindle, works with internal and external water lubrication. The double lubrication, together with an extreme easiness in the change of tool-holder, makes possible the use of whatever tool.



Recessed drainboard

▲ **Spindle** equipped with double water lubrication system: internal for CNC tools and GTOOLS diam. 22,2 mm for manual machines, and external.



Inclined cuts at 45°

▲ Mounting **cutting discs** on the spindle: you can perform vertical and inclined cuts (on -x axis) and use discs for grooves. Cutting disc diameter: 200 mm



Profiling

- ▲
- 1 knob for the micrometric adjustment of the operating head on -y axis
- Hardened, anti-corrosion treated, steel slide guides using recirculating ball bearings. Easy reachable greaser.

SPECIFICATIONS

Operating area

- Work area: 3000 x 1100 mm
- Max. length of straight cut with blade: 3000 mm
- Max. length of inclined 45° mitre cut with blade: 2800 mm
- Maximum length for edge polishing (also 45°): 3000 mm
- Maximum slab thickness for disc cutting: 40 mm; for profiling and polishing: 60 mm (on vacuum cups)

Framework

- Dimensions: 3500 x 2360 x 1650(h) mm
- Weight: 680 kg

Template on top

- Fixed by 4 suction cups Ø120 mm

Operating Head

- Electrospindle: 2.2 kW with internal water lubrication.

Spindle:

- Stainless steel
- Connection: 1/2" gas F
- Rotation speed: from 1500 to 12500 rpm (controlled by vector drive)
- Vertical movement operated by a hand crank
- Vertical stroke: 100 mm

3 spindle modes:

- Vertical (for profiling and slot cutting)
- 45° inclination (for disc cutting and bevel polishing)
- Horizontal (for disc cutting, edge polishing, grooves)
- Manual lifting and locking of the operating head
- Automatic internal and external tool lubrication

Pneumatic system

- 1 vacuum system with 8 connections to hold the work piece and template firmly in position:
 - Vacuum ejector pump
 - Pressure regulator
 - Manometer
 - 4 Suction cups work piece: Ø90 mm, can be excluded individually
 - 4 Suction cups template: Ø120 mm with internal thread
 - Connection pipes: 4 m, Ø 6 mm
 - Compressed air gun

Supply

- Supply tension: 230V 50/60 Hz single-phase.
- Water pressure: min. 2 bar
- Pneumatic pressure: 3 bar



▲ Control panel

(24 V AC low tension controls)

- Spindle rpm speed adjustment, with real time display on the digital tachometer
- Manual micrometric adjustment of the spindle vertical motion, operated by a hand crank