

## Multifunctional manual stoneworking unit

SYSTAR is a simple and performing solution for the most frequent jobs: **shaping and polishing internal and external contours (with or without template) on every kind of profile; holes, sink cut-outs and recess drains; grooves (inclined and flat), slots on edges (linear and shaped)...** This way, you can simply process **vanity tops, arches, sills, steps, gravestones, etc.**

The spindle, driven by a powerful and reliable hydraulic engine, is fitted with inside and outside lubrication. These features, wedded to the easy tool-holder interchange, allow the use of any tool. SYSTAR's operating head is set on high precision orthogonal guides. Two digital displays visualize the tool position on the  $-x$  and  $-y$  axis in real time.



Easy to install: no masonry required



- ▼ Spindle with inside lubrication for CNC and similar tooling. Additional lubrication with two independent external flexible pipes for other tools.

- ▼ Lifting of the operating head by means of a double safety control, for easy tool replacement



## SPECIFICATIONS

### Operating area

- Work surface: 2500 x 1000 mm
- Workpiece height: max 70 mm on suction cups

### Supporting structure

- Tubular steel framework coated with poliurethan paint
- Dimensions (template-holder raised): 3100 x 1400 x 2360 mm (depth 1600 mm with template holder collapsed)
- Weight: 900 kg

### Operating head

- Spindle
- Stainless steel
- Connection: 1/2" gas F
- Rotation speed: from 1500 to 7000 rpm (adjustable by means of a vectorial inverter)
- Vertical stroke: 100 mm
- Pneumatic system for lifting and locking the head
- Tool lubrication automatically activated when the engine is turned on

### Hydraulic system

- Pump engine power: 4 kW

### Vacuum system

- No. 8 suction cups (4 on each side) locking the workpiece, operated from the control panel. All cups are individually excludible
- Air heating system to prevent mist or ice on the Venturi device

### Feeding

- Supply tension: three-phase, 400 V-50/60 Hz or 230 V-50/60 Hz
- Pneumatic pressure: 6 bar
- Air consumption: 120 liters/min
- Water pressure: min. 2 bar

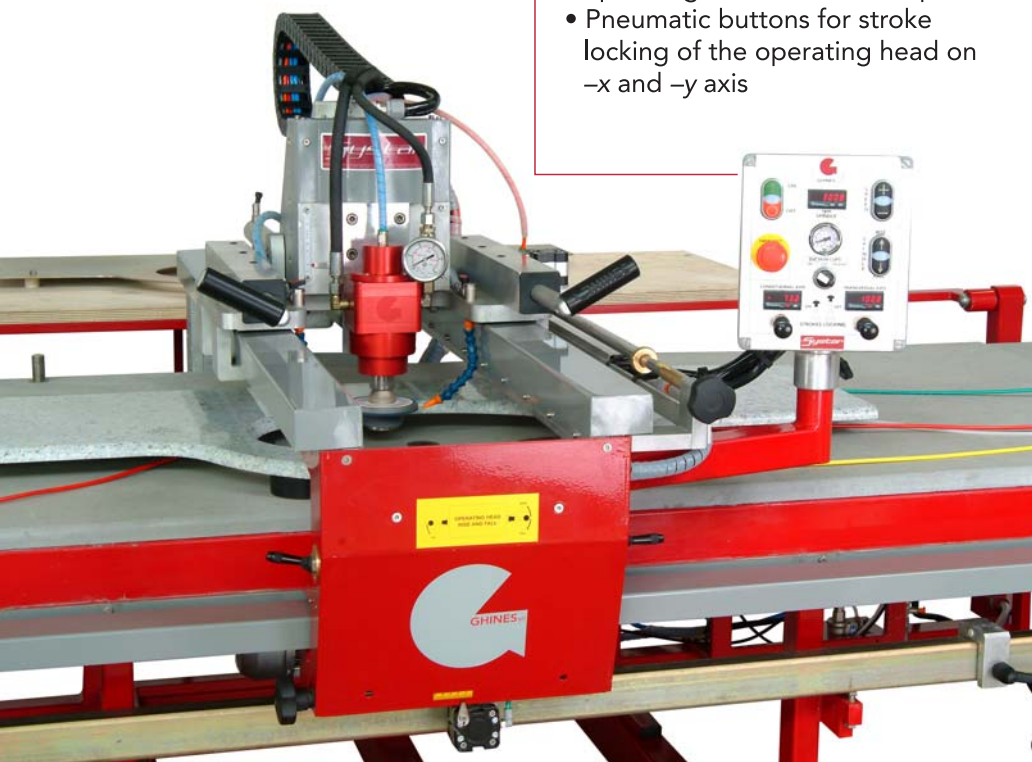
### Standard supply

- No. 2 connections for inside lubricated  $\varnothing$  35 mm tools and  $\varnothing$  22,2 mm portable machines tools
- Use and maintenance manual
- Service wrenches
- Waterproof apron

### Control panel

(24 V AC low tension controls)

- No. 2 knobs for the micrometric movement of the operating head on  $-x$  and  $-y$  axis with real time display on the digital read-out
- Hardened, anti-corrosion treated, steel slide guides with recirculation balls block. Easy operated greasing
- Spindle rotation speed adjustment, with real time display on the digital tachometer
- Vacuum system controls (on, off, release) with vacuumeter for suction cups operation, locking the piece on the workbench
- Spindle with motorized vertical stroke adjustment, displayed on the scale in real time
- No. 2 digital real time displays for the orthogonal movement of the operating head, with reset option
- Pneumatic buttons for stroke locking of the operating head on  $-x$  and  $-y$  axis



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