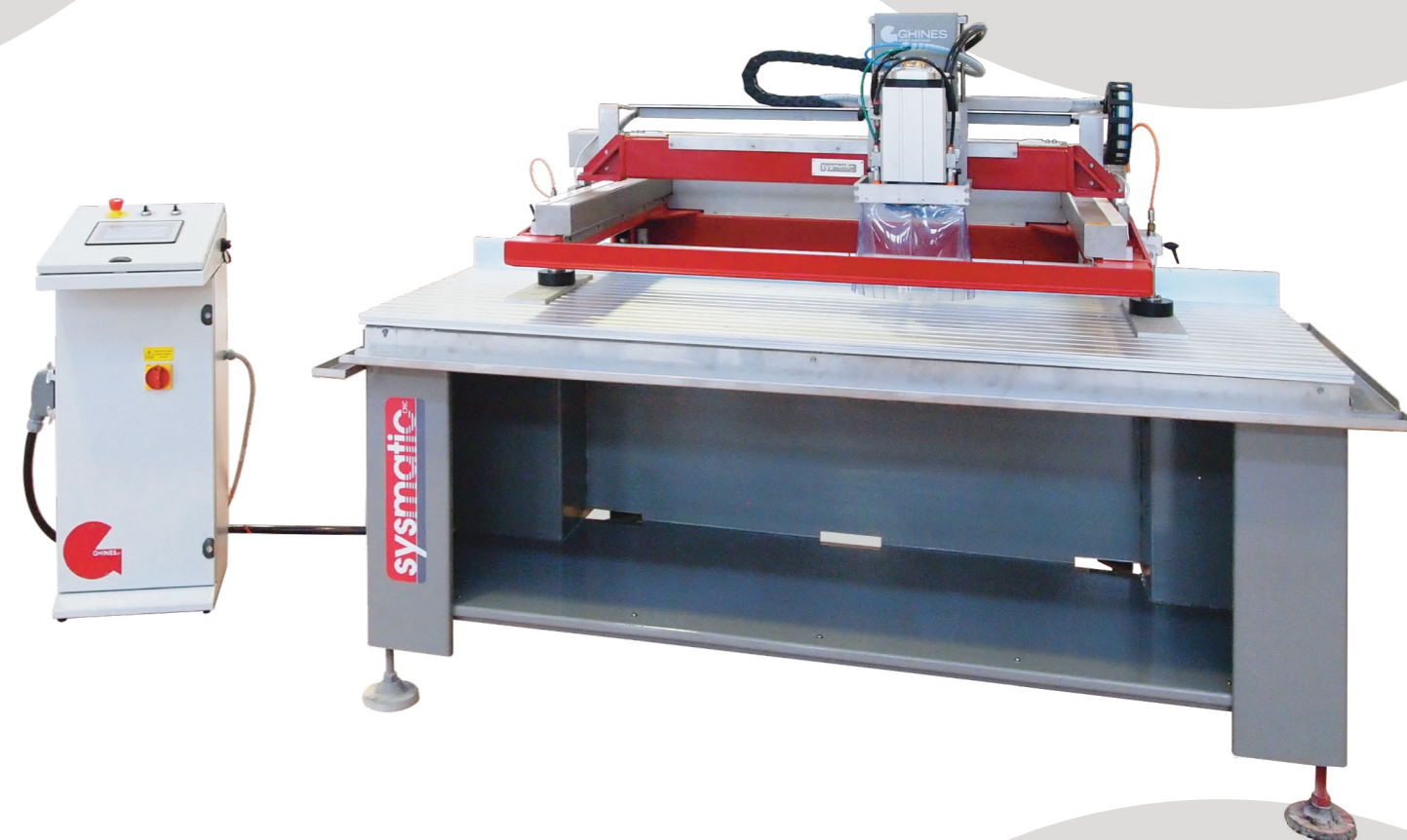




Profiling and Polishing

sysmatic CNC

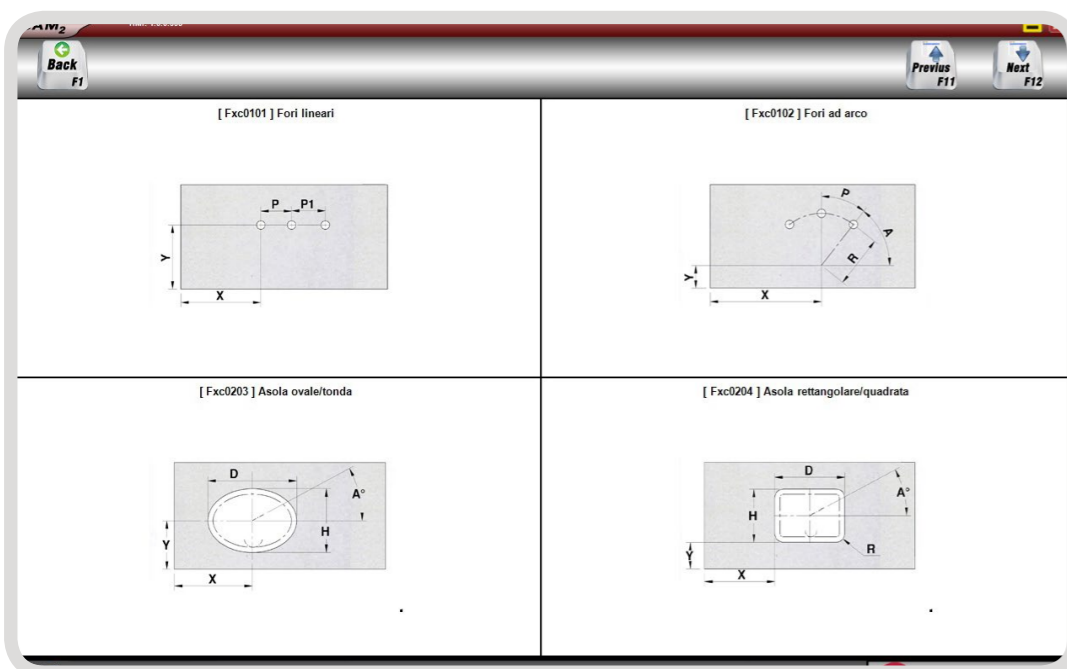
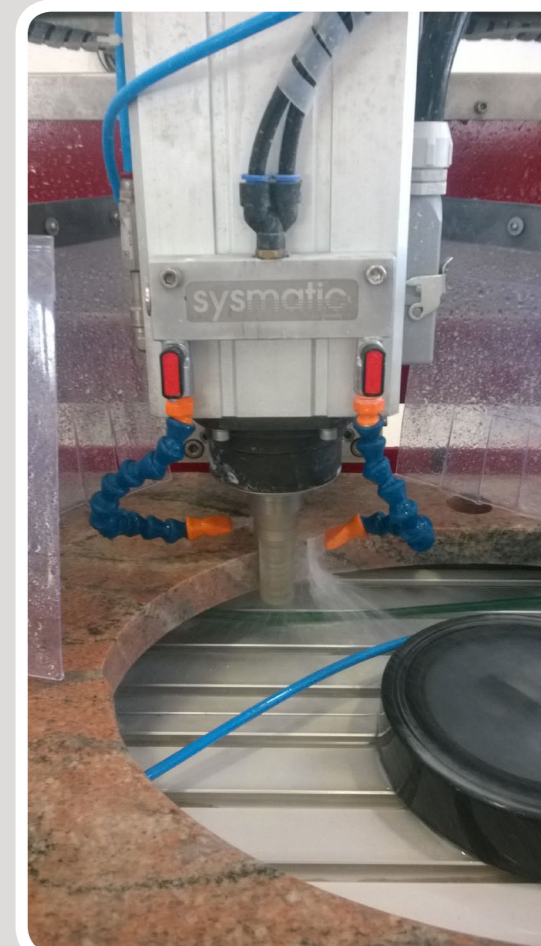
CNC workcentre



CNC WORKCENTRE TO PROCESS MARBLE, GRANITE AND OTHER STONE MATERIALS

The limited dimensions allow to easily install the machine without the need of brick works. It performs **drilling, profiling and polishing** (oval, round, square or other shapes) and **slabs even longer than 3500 mm can be loaded**. **Tables** can be manufactured with **different shapes, finished with any edge profile**. Additionally, the machine can **write and engrave bas-relief**.

The programming is kept simple, intuitive and very practical at every stage of any process. The workpiece can be fixed firmly in two ways, mechanically and by vacuum suction cups.



Freely accessible software

The program of the Sysmatic to create macros is complete of all functions and very easy to use

ghinesgroup TOOLS AND MACHINES

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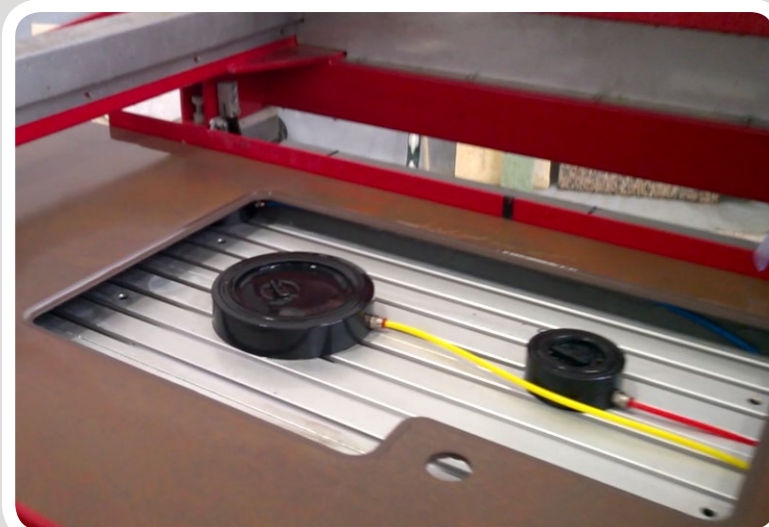
All the illustrations are purely indicative. The hereby enclosed data can be modified by the manufacturer at his discretion and without any notice.



▲
No limits for slab length



Writing



Sink cut-out



Bas-relief

TECHNICAL DATA

Work table

- Work table: spaced aluminum profiles to allow mechanical fixing
- Strokes:
 - 'z' vertical: 150 mm
 - 'x' longitudinal: 840 mm
 - 'y' transversal: 700 mm
- Slab dimensions:
 - thickness 50 mm max. (on suction cups)
 - thickness 100 mm max. (on work table)
 - width 1.200 mm max.
 - length no limits
- Workpiece dimensions
 - table (round, oval, square): 750x600 mm
 - cut outs (round, oval, square): 880x700 mm

Structure

- Basement, upper structure, bridge processed steel, protected by ceramic and epoxy paint
- Dimensions and weight: 2200 x 1300 x 1300 mm – 480 kg

Linear guides

Tempered and passivated steel
Linear guides with 4 rows of recirculating balls

Carter and protection

Stainless steel

Operating head

- Motor: electro spindle 2,2 kW
- **Spindle:**
 - Stainless steel
 - Fixing: 1/2" gas F
 - Rotation: 1500 - 14000 rpm
 - Internal and external lubrication

Workpiece fixing

- Vacuum system:
 - Vacuum pump
 - 2 suction cups Ø180 mm
 - 2 suction cups Ø120 mm
 - 2 suction cups Ø92 mm
- Mechanical fixing blocks, adjustable in two directions

Movement of the axis

PLC controlled stepper motor

Water

- Tool lubrication: internal and by 2 external water nozzles
- Water pistol
- Water supply: min. 15 l/min.

Supply

- Electrical: 380V 50/60 Hz three-phase or 220V 50/60 Hz three-phase
- Pneumatic: 6-10 bar pressure
- Air: 150 l/min
- Water: min. 2 bar pressure

Standard equipment

- 1 tool adapter, Ø 22,2 mm
- 1 tool adapter, Ø 35 mm - h 20 mm
- User and Maintenance Manual
- Fuses and screws
- Service wrenches
- Apron
- Suction cups
- Compressed air, water and grease guns



▲ **Control panel**
(low voltage 24 V AC)

- Program start
- Vacuum
- Emergency stop
- Touch screen
- USB input