

BRIDGE CUTTING MACHINE Model HTO-M+



GENERAL DESCRIPTION

Bridge cutter based on the HTO-GARBÍ model but it has a monoblock structure.

It is a basic bridge cutter which allows carrying out any kind cuts at slabs or any other non-thick pieces.

You can easily obtain bath and kitchen countertops, floor tiles, skirting and other specific pieces.

It stands out because of its great versatility, agility and ease-of-use and therefore guarantees a high production rate.

Since it has a monoblock structure, its installation is easier and it does not require foundation.

STANDARD TECHNICAL CHARACTERISTICS

MOTORS

Disk motor power	17'5kW - 10Cv
Auxiliary motor power (long, trans, vert)	1'5 Kw aprox.

HEAD

Inclination of the disk	Manual
Extreme angles of inclination.	From 0 to 45°
Diameter of the disk	350-500 mm
Pneumatic rotary head	

AXIS STROKES AND MOVEMENTS

Vertical stroke of the disk	410 mm
Vertical movement	Motorized
Length stroke of the disk (with D.350mm)	3500 mm
Length movement	Motorized + viewer
Transfer stroke of the disk.	1800 mm
Transfer movement.	Motorized + viewer

TABLE

Not tilting and turning table	
Table sizes	3000x1600 mm

AUTOMATISM

Electronics regulation of speed for strokes.
 Automatic system for the opening and locking device of the water.
 Transfer course with programmer of sizes.
 Automatism of cut by steps temporized

STRUCTURE AND COMPONENTS

Laser pointer of 10 Mv.
 Monoblock machine. Not foundation required
 Protected and oil bath carriage guides.

TECHNICAL DATA

Minimum air pressure for the table blocking	6 bares
Total required electrical power.	19 Kw aprox
Water consumption (with disk of 350 mm)	15 l/min
Approximate net weight of the machine and accessories.	4400 Kg.
External sizes of the machine	5600x4900x3100mm
Three phase power supply + neuter: 400 v. 50 Hz.	



TECHNICAL DESCRIPTION

The machine has a **monoblock structure**, so **its installation is very easy**, only leveling works and connection to electric, water and air supplies is needed.

The structure consists of a bridge, a table and the walls, all together forming a one-piece structure.

The **bridge, of a strong structure**, is mounted over rails, protected with oil bath and placed over the metallic walls.

All along the bridge, a chariot moves and carries the main motor and the disk. **Cutting speed is adjustable speed on the control box**. The guides of chariot displacement are protected and accurately fixed to ensure straight cutting precision.

The head can be tilted and locked at any angle between 0 and 45° to make miter cuts.

The head turns at 0° and 90° by a pneumatic system, so longitudinal and transversal cuts can be done without moving the material.

The vertical displacement is motorized and it moves over two chromed and mechanized columns.

The motor for the disk rotation is flat type with an axe specially designed to hold the disc.

The disk covering is internally coated with acoustic insulation for reduce the noise of the cutting process.

The table is big enough to receive the material to be cutted. **The table is automatically tilted** and it is fixed (not rotating).

The control box turns to make the access and manipulation easier. **Machine program is very easy to use**. It is controlled through a **touch screen and it based on icons**. It has a digital display for transversal measures, an analog indicator of the motor consumption, and the icons to access to the automatic cutting programs. On the control box there are also other necessary drive elements such as buttons and dials.