



TECHNICAL DATA SHEET CLOTO

5-Axis CNC Bridge Saw (3+2 Interpolated Axes)

The CLOTO CNC Saw is a 5-axis CNC bridge saw with controlled and interpolated axes (3+2). It is a numerically controlled cutting machine with interpolated X, Y, and Z axes, and controlled A and C axes, specifically designed for the processing of natural stone materials.

KEY FEATURES



- **Structure:** Monoblock, solid, and hot-dip galvanized, requiring no additional civil works for installation.
- **Head rotation and tilting:** Operating head with 360° rotation and 0° to 90° tilt, fully managed by CNC.
- **High-performance Saccardo motor:** 100% Italian, delivering 25 HP of power.

- **Control system:** 15" industrial touchscreen with an intuitive interface and manual, semi-automatic, and automatic operating modes.
- **Software:** BSI software, user-friendly and compatible with all major design and CAD/CAM programs.
- **Electrical and electronic components:** Integration of Delta Electronics, Omron, and Schneider Electric technologies, ensuring precision, reliability, and energy efficiency.
- **Numerical control:** UR 060 CNC module, capable of managing up to 6 CNC axes, optimizing performance and automation.
- **Energy efficiency:** Designed and programmed to minimize energy consumption.
- **Compatible materials:** Ideal for cutting marble, granite, porcelain, and natural stone.
- **Alignment laser:** Equipped with a green laser that provides high visibility on any surface, optimizing the cutting process.
- **Cross laser for digitization:** Point-drawing function that allows physical templates to be converted into digital files, facilitating automated cutting..
- **Multilingual operation:** Interface available in multiple languages, with configurable input units in inches or millimeters, adapting to diverse operational requirements.

GENERAL FEATURES

- **Automatic water control:** Reduces consumption and optimizes efficiency. Operates using two types of water.
- **Blade cooling:** Does not require treated water.
- **Motor and tool cooling:** Uses clean water only, extending component service life.
- **Full-color touchscreen display:** Includes an integrated conventional computer that enables Wi-Fi connectivity, allowing remote access from any computer worldwide to enhance automation and productivity.
- **Total control system:** Flexible operation via touchscreen, wired remote control, and physical buttons to suit any operator preference.
- **Centralized automatic lubrication system:** Performs automatic full lubrication every 4 operating hours. This CNC machine is recognized as one of the best in the market for its efficiency and durability, ensuring optimal maintenance.
- **Marine plywood-coated table:** Water-resistant surface that guarantees stability and long service life.
- **Hydraulic tilting table:** Hydraulic actuation facilitates loading and accurate positioning of workpieces.
- **Positioning camera:** Located on the right shoulder of the machine and integrated into the touchscreen interface, allowing real-time visualization of the slab on the worktable.
- **Optical safety sensors:** Act as a protective barrier, automatically stopping the machine if an operator or unauthorized person approaches the cutting area, preventing workplace accidents.
- **Blade presetting and slab thickness detection:** Automatic blade adjustment and precise material thickness measurement to optimize cutting performance.
- **Remote diagnostics (tele-assistance):** Enables rapid troubleshooting, improving maintenance efficiency and reducing downtime.
- **Warranty and support:** 3-year warranty and lifetime free online technical support.

GENERAL FEATURES



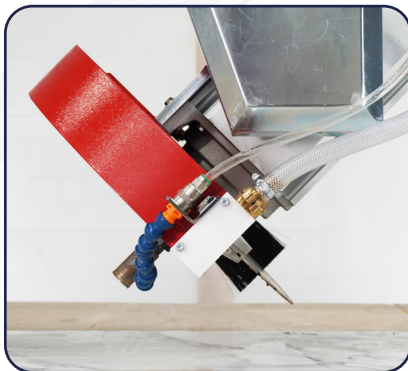
Main control panel.



5 working axes



360° head rotation – C axis



45° head rotation – A axis.

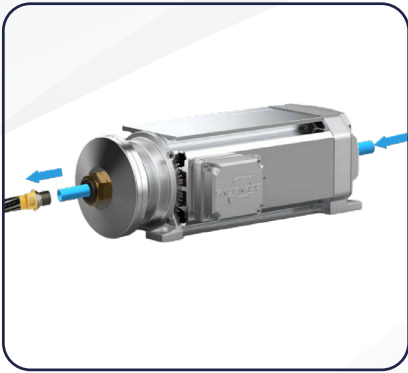


Cutting and drilling system

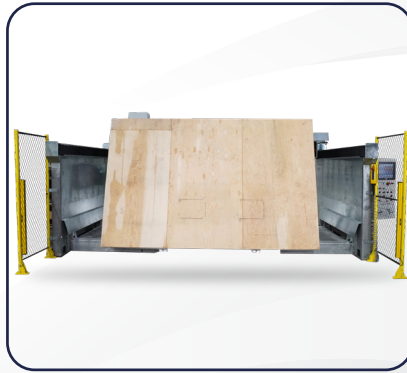


90° head rotation – A axis

GENERAL FEATURES



Internal cooling of the main motor



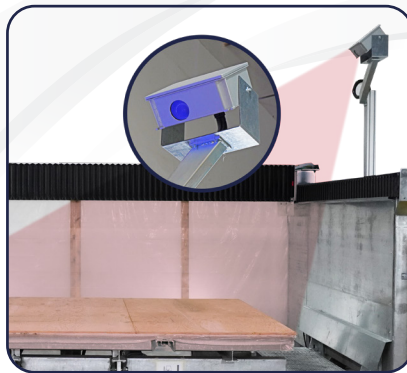
Hydraulic tilting table



Wired remote control



Hot-dip galvanized structure



Positioning camera

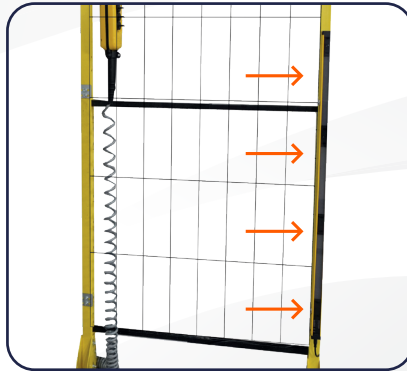


Straight cutting laser

GENERAL FEATURES



Cross laser



Optical safety sensors



Workpiece presetting



Presetting del Disco.



Automatic lubrication
system



100% Italian technology

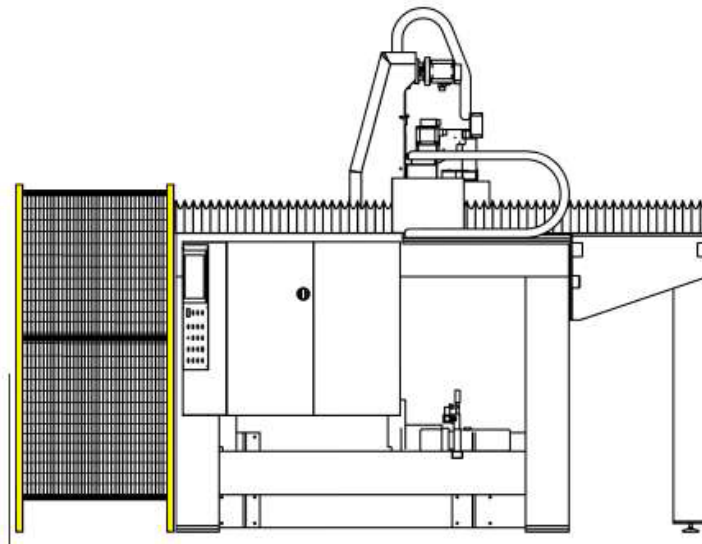


Electrical and electronic
components from leading
global brands

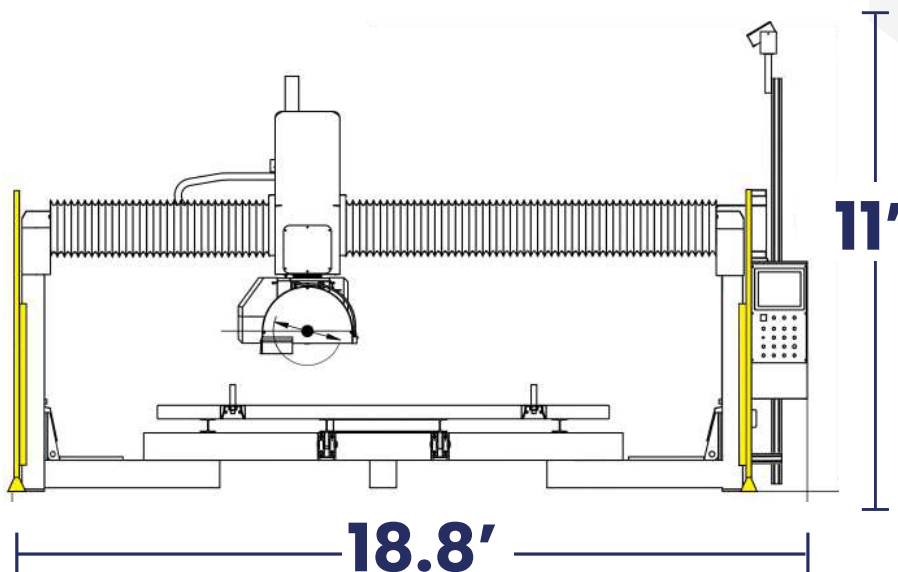
TECHNICAL SPECIFICATIONS

SPECIFICATION	DETAIL
Machine Dimensions	18.8' x 12.4' x 11'
Machine Weight	7,600 Lb
Power Supply	220V / 60Hz / 57A (Three-phase)
Blade Motor	25 Hp
Blade Diameter	16" – 24" (Diamond, turbo)
Tool Connection	½" Reverse gas
Blade Speed	800–5000 RPM
Cutting Dimensions on Table	140" x 88"
Miter Cutting Dimensions	140" x 80"
Maximum Feed Speed	590.4 in/min- 0 – 49.2 ft/min (0 – 15 m/min)
Cutting depth	3.9 – 7.9 in (100 – 200 mm). Adjustable depth range for precise cuts in various materials.
Air Consumption	0.35 CFM at 88 PSI (6 atm). Airflow required for the efficiency of the pneumatic system.
Blade Water Connection	0.79 in (20 mm), 5.3 GPM (2.64 gal/min), 44 PSI (3 atm). Water supply for cutting blade cooling, optimizing its performance.
Internal Water Connection	0.79 in (20 mm) diameter, 1.6 GPM (1.58 gal/min), 44 PSI (3 atm). Internal cooling system for the motor and tools.

LAYOUT CLOTO CNC SAW



12.4'



11'

18.8'

Contact Us — We Speak Your Language. We're Here to Help You Grow.

☎ +1 (239) 245-1039

📍 11205 NW 131 St, Medley Fl, 33178. Unit 11225