



Cute 36 625

Mono-Block Sawing Machine 4 Axis. Machine with compact dimensions. The spin of the head 360°. All the Axis drivers complete with elevated inertia BRUSHLESS motors. Complete CNC control with a Touch screen panel.

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SKU:

Price:

Stock: instock

Categories: [Bridge Saws](#), [Terzago Macchine](#)

Product Description

- Slide of disc-holder slips on guides in hardened steel with recirculating balls pre-loaded for the elimination of the mechanical clearance.
- Positioning with pinion-helical rack system of precision and epicycle reducer with 0 clearance (Axis X).
- Sliding of the bridge on guides in hardened steel, cold-drawn, in a class of precision H and sliding-block with recirculating balls pre-loaded.
- Positioning with 2 motors in electrical-axis with pinion- helical rack system of precision and epicycle reducers with 0 clearance (Axis Y).
- Sliding of head-holder on the over-dimensioned chromed cylinder.
- Positioning with system screw-nut with recirculating balls pre-loaded and epicycle reducer with 0 clearance (Axis Z).
- The spin of the head $\pm 185^\circ$ with a reducer of high precision with eccentrics with 0 clearance (Axis C).
- The spin of the mandrel $0^\circ-90^\circ$ by the manual wheel.
- Disc motor, power 15 kW, directly connected to the blade, electronic control of rotation speed by mean of INVERTER.
- Switchboard with isolation IP 55 at the right of the machine and outside of the foundation wall, with the general switch and block door. In the control panel are grouped the contactors with the relative thermal protections, the drives, and the electronic controls, the complete PLC control while the Touch screen panel and the keyboard are positioned in a remote pendant box.
- Laser beam facilitates positioning of the blade on cutting line.
- Water pressure switches stop the machine if cooling water insufficient.
- Tools are protected by an electronic ammeter to prevent the use above preset values.
- Refrigeration pipes and electrical wiring protected in plastic cable trailer chain.



EASY 625

5 Axis Mono-Block Bridge Saw. Machine with compact dimensions. The spin of the head 360°. All the Axis drivers complete with elevated inertia BRUSHLESS motors. Complete CNC control with a Touch screen panel.

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- Sliding of head-holder on the over-dimensioned chromed cylinder.
- Positioning with system screw-nut with recirculating balls pre-loaded and epicycle reducer with 0 clearance (Axis Z).
- Spin of the head $\pm 185^\circ$ with a reducer of high precision with eccentrics with 0 clearance (Axis C).
- Spin of the mandrel $0^\circ-90^\circ$ reducer of high precision with eccentrics with 0 clearance (Axis A).
- All the drives complete with elevated inertia BRUSHLESS motors, digitally controlled with system CAN-BUS.
- Disc motor, power 11 kW, directly connected to the blade, electronic control of rotation speed by mean of INVERTER.
- Possibility of tilted cut in small steps obtained with interpolation of the axis horizontal and vertical.
- Switchboard with isolation IP 55 at the right of the machine and outside of the foundation wall, with the general switch and block door. In the control panel are grouped the contactors with the relative thermal protections, the drives, and the electronic controls, the complete CNC control while the Touch screen panel and the keyboard are positioned in a remote pendant box.
- Laser beam facilitates positioning of the blade on the cutting line.
- Water pressure switches stop the machine if cooling water insufficient.
- Tools are protected by an electronic ammeter to prevent the use of above-preset values.
- Refrigeration pipes and electrical wiring protected in plastic cable trailer chain



Easy 725 5-axis

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Categories: [Bridge Saws](#), [Terzago Macchine](#)

Product Description

EASY 725 SUPER 5 AXIS Saw - Machine with compact dimensions, specially made for laboratories with space problems, for the production of worked like: shaped pieces, shaping with horizontal blade, plans shower, plans kitchen of average and great dimensions, several contornature both in marble than granite. Its main characteristics are: - Slide of disc-holder slips on guides in hardened steel, cold-drawn, in class of precision H and sliding-block with recirculating balls pre-loaded for the elimination of the mechanical clearance - Positioning with pinion- helical rack system of precision and epicycle reducer with 0 clearance (Axis X) - Sliding of the bridge on guides in hardened steel, cold-drawn, in class of precision H and sliding-block with recirculating balls pre-loaded - Positioning with 2 motors in electrical-axis with pinion- helical rack system of precision and epicycle reducers with 0 clearance (Axis Y) - Sliding of head-holder on over-dimensioned chromed cylinder. - Positioning with system screw-nut with recirculating balls pre-loaded and epicycle reducer with 0 clearance (Axis Z) - Spin of the head with reducer of high precision with eccentrics with 0 clearance (Axis C) 360° - Spin of the mandrel $0^\circ-90^\circ$ reducer of high precision with eccentrics with 0 clearance (Axis A) - All the drives complete with elevated inertia BRUSHLESS motors, digitally controlled with system CAN-BUS - Motor of the blade directly connected to the disc,

rated power 15Kw (S6) - Possibility of tilted cut in small steps obtained with interpolation of the axis horizontal and vertical. - Switchboard with isolation IP 55 at the right of the machine and outside of the foundation wall, with the general switch and block door. In the control panel are grouped the contactors with the relative thermal protections, the drives and the electronics controls, the complete CNC control while the Touch screen panel and the keyboard are positioned in a remote pendant box. - Laser beam facilitates positioning of blade on cutting line. - Water pressure switches stops machine, if cooling water insufficient - Tools are protected by an electronic ammeter to prevent use above preset values - Refrigeration pipes and electrical wiring protected in plastic cable trailer chain. **MAIN FEATURES OF CNC CONTROL** - CNC Numerically controlled programmer for the management of 5 axes (X-Y-Z-A disc inclination and C head rotation), Y Bridge translation X Right-left translation of the head slide Z Up-Down movement of the mandrel A Mandrel inclination 0° -90° C Head rotation 360° - Control of the horizontal and vertical cutting movement of the disc head, of the bridge translation and of the rotation of the head - Complete control of the inclination of the disc motor. - Cutting programs in single step for marble or multiple steps, with small increments programmable, for granite - Auto teach-in and electronically set of the end-stroke cutting and return on the slide of the disc head - Auto teach-in and electronically set of the end-stroke for the bridge translation - Setting of the cut-return with different values on the cut and return and last cut. - Programming of circle or curve cutting cycles, diagonal or orthogonal cuts by interpolation of Y-X and C axes - Positioning of the machine with all the axes moving at the same time, reducing waste time - Execution of the finishing cycle with the side of the blade (brushing system obtained with interpolation of Z-Y axes and steps of X axes) - Execution of excavation cycles both in roughing and finishing, concave and convex obtained with interpolation of X-Z axes with steps of Y) - Completely automated cycles permit the execution of all the programs without the presence of the worker - MACRO programs for the execution of shaping with the disc, contouring and excavation with discs - Programming on the touch screen on-board of the machine or on a remote computer with CAD software, DXF files loadable created on 12 or newer editions. - CNC control ready to use camera image acquisition system to load SLABS pictures and create cutting programs - CNC control ready to use TELESERVICE, it is necessary to have a Ethernet Cable and an INTERNET connection (not supplied)



Rapida

Automatic Bridge Saw Machine. Bridge saw machine with main parts built-in cast iron, supplied with a PLC of easy and intuitive use to program slabs cutting and cuts and movement. It is possible to execute linear shaping. Manual table rotation and head tilting

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Product Description

- Cheap to install (steel or cement walls) and easy to use: for marble, granite, and similar stones.
- Construction built-in cast iron for stability, low resonance, and durability.
- The motor of reduced dimensions co-axial with the blade.
- Blade holder slides electrically powered on bearings; guides well-protected from water and dust.
- Electric bridge translation on sliding rails protected by everlasting belt and guards.
- Mono-axial positioning for bridge translation with encoder.
- Vertical movement of the head with 2-speed self-braking motor on prismatic guides, controlled by the encoder.
- Motorized rotating table, with fixed locks every 90° can be blocked in any position 0° - 360°.
- Manual tilting head from 0° to 90° to cut marble and granite even in short passes.
- The PLC with a graphic touch screen allows programming and interpolation of two-axis for concave-convex shaping, contouring, shaving, and control of table rotation.

- Separate potentiometer for left/right slide speed and operational controls.
- Amperometer to protect from use of tools above-accepted tolerances. Electrical cables and cooling water pipes in nylon cable trailer chain.
- Soundproofed blade guard.



Forma

Bridge Saw With CNC. Machine for all handicraft and industrial laboratories for processing marble and granite. Disc diameter up to 1.200 mm, management of 4 axes, head inclination motorized. CNC for programming slabs cut, linear, concave, and convex shaping, honing of shapes with side of the disc, circular and interrupted cuts.

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Price:

Stock: instock

Categories: [Bridge Saws](#), [Terzago Macchine](#)

Product Description

- Machine suitable for both small and large workshops for marble/granite.
- Bridge mainframe/table in cast iron for stability / minimum vibration/greater machine life.
- Long-lasting stainless steel protective covering.
- Small-dimension motor connected directly to blade, with the inverter.
- Blade unit/bridge action electronically controlled on bearings, by the encoder.
- Head vertical action with auto-braking motor, controlled by the encoder on the prismatic guide.
- Motorized rotating bench with auto-positioning 0° - 360°; blocking with hydraulic brakes.
- 0° - 90° tilting head even for small runs, auto-blockable in position with hydraulic brake.
- P 55 LX cabinet houses electronic and electrical control / right-left slide, forward-backward bridge movement, head raising/lowering, bench rotation.
- Collimatore a raggio laser per facilitare il posizionamento del disco sulla linea di taglio.
- Laser beam for ease of positioning of the blade on cutting line. Bridge mainframe/table in cast iron for stability / minimum vibration/greater machine life.

Main Functions of Controls

- Automatic axes control with fast reaction; translation of bridge; automatic table rotation.
- Electronic tilting of blade cutting unit.
- Single marble run / small increasing granite steps according to programmed depth.
- Selection of 20 different cutting widths to be repeated up to 99 times.
- Cutting, and blade head return limit switches self-setting electronically.
- Beam movement limit switches self-setting.
- Differential regulation of cut-and-return speed and last cut speed.
- Automatic bench tilt programming for continuous circular or orthogonal cutting.
- Through runs or part runs possible.
- All axes can be moved together to reduce lime wastage.
- Profiles can be set directly from the keyboard; concave/convex arches on rising/descending tilts of any angle.
- Linear and circular profiles for horizontal/vertical axes of the blade head possible.
- Resident menu cycles: cross-cutting, facing - slab-cutting, concave-convex, shaping, interpolated shaping.
- Specific prog. with CAD/CAM, converter, and ISO, for profiles and shapes drawn on CAD connected

externally in serial RS 232 (optional)
