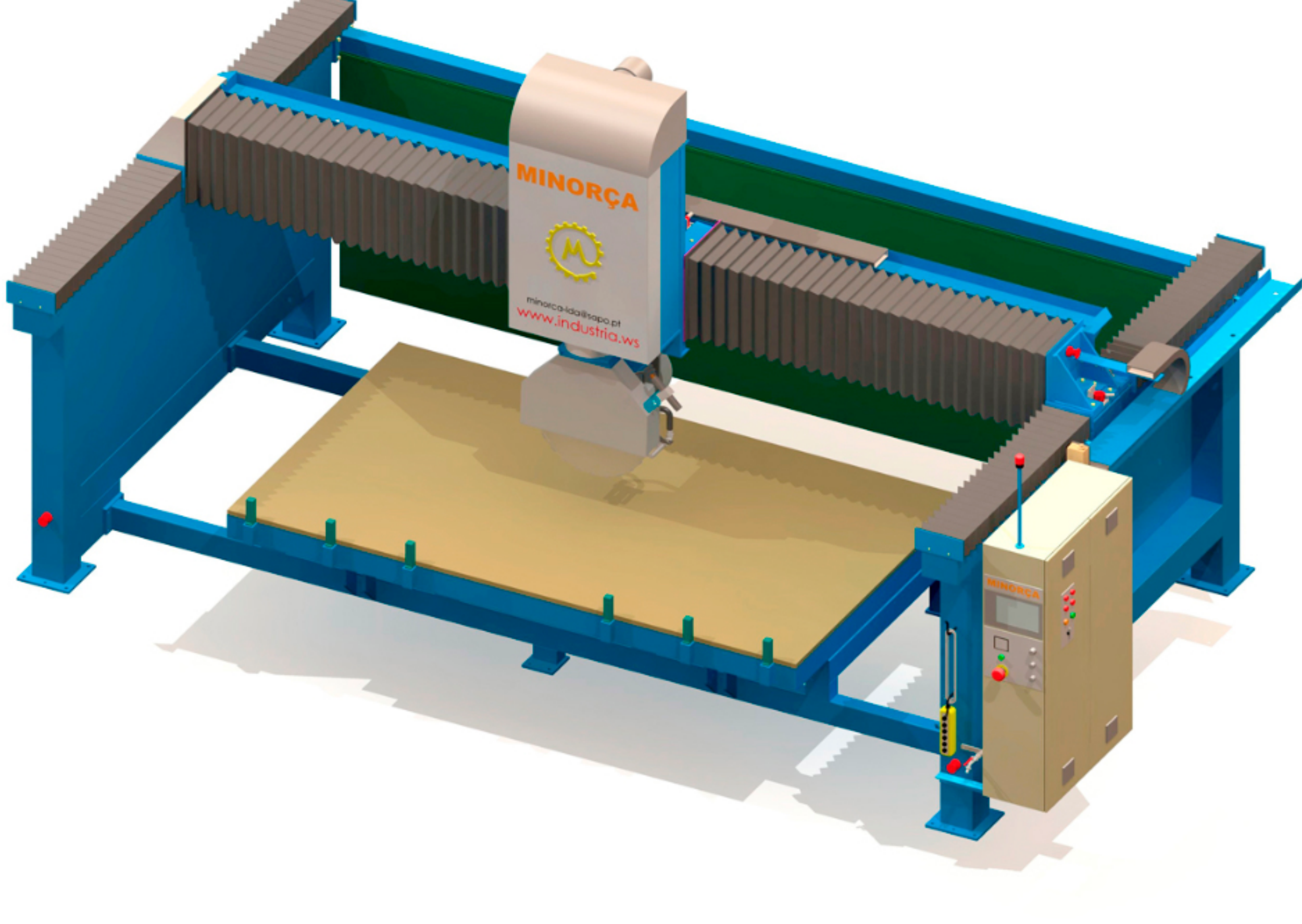


Roundabout Head Bridge Saw

HERCULES SERIES ROUNDABOUT



About

Is the "missing link" between a classic CNC work center and a sawing machine.

Hi-Tech is able to carry out processes typical of both types of product;

cut in all directions around curves and 45° in fully automatic mode.

Milling, grinding, polishing even the kitchen tops, engraving, writing and creating bas-reliefs for the tomb stones industry and much, much more thanks to its electrosindle for auto changes the tools.

There are no limits for this machine equipped with a compact monobloc chassis, which does not require masonry to be erected and not even expensive transportation costs, but can provide large strokes.

Programmable over 4 or 5 Axis on the bridge saw,

Center head on 4 axis displacement, providing the easy programmation on repositioning movements.

Profiling saw,

Monoframe structure,

It allows the use of a compact structure, where technology is applied for quick movement, and the use of the most advanced software to maximize cutting processes, with precise and solid cutting capacity. Carrying the constant development of the Hercules Series to this integral structure concept.

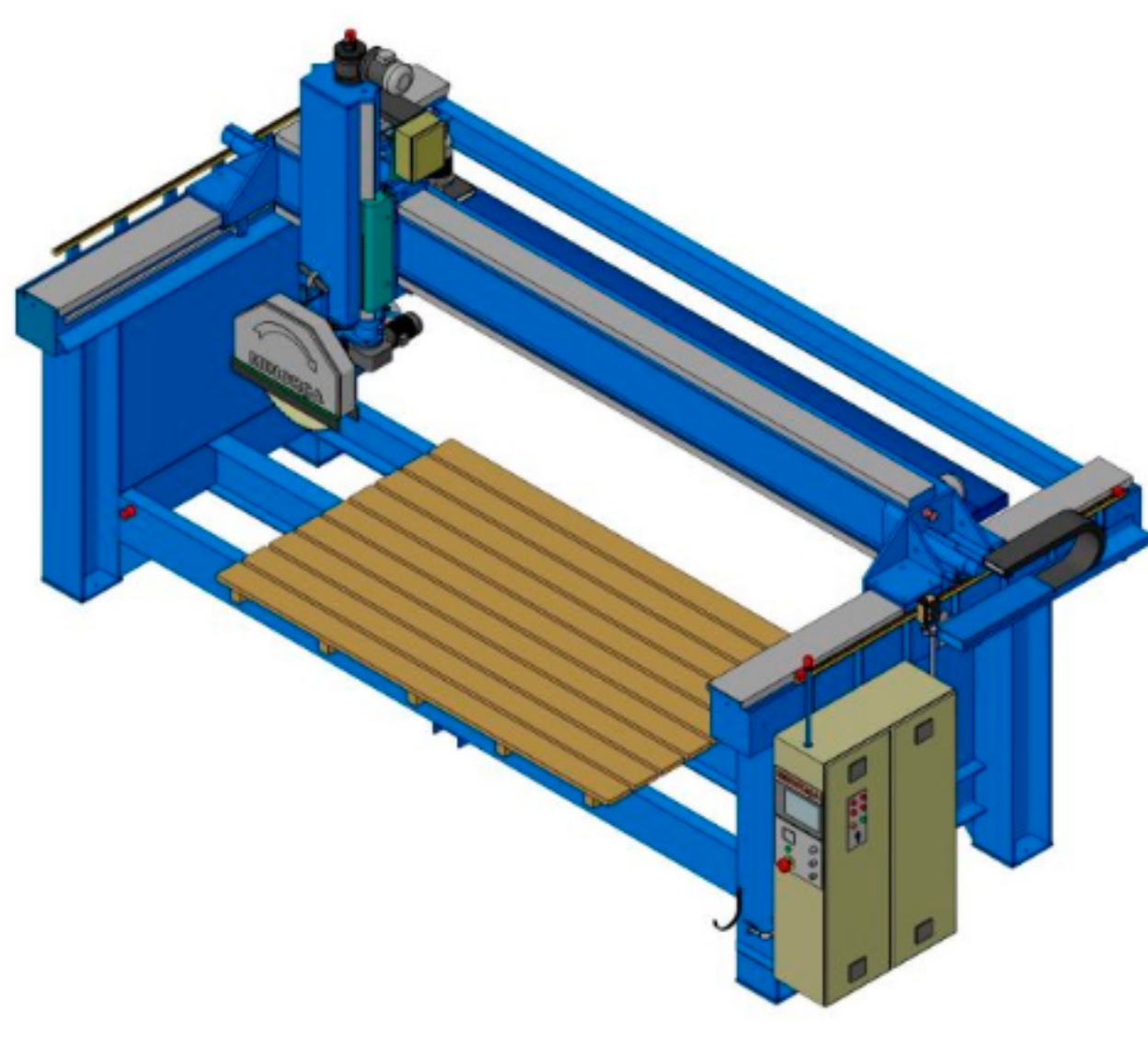
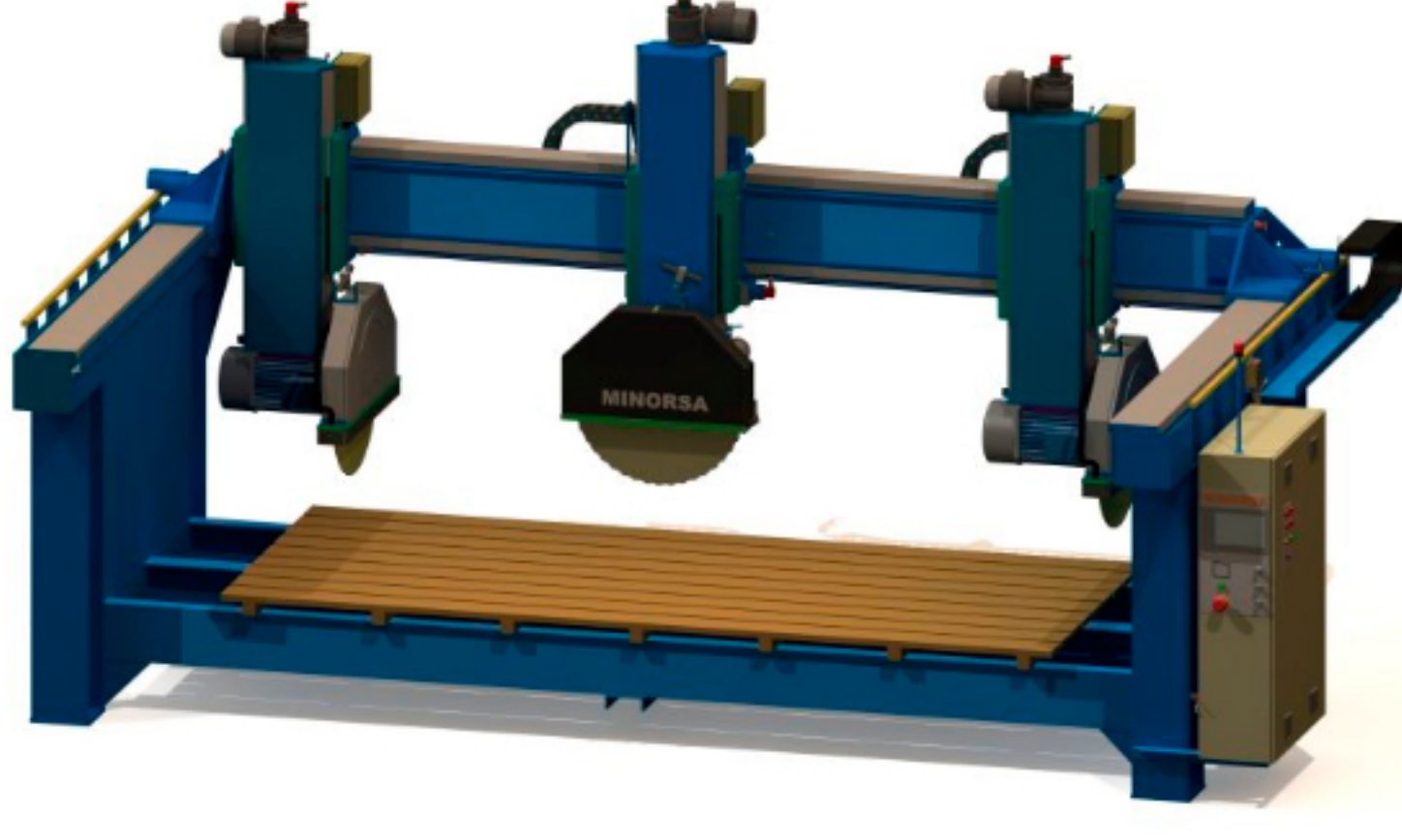
Tilting head for miter cuts,

Tilting table and more.

Technical Features

HERCULES SERIES ROUNDABOUT HEAD

- ✓ Diameter of Disc Admitted on Multi-work - 18 in / 45,5 cm to 23,1/2 inch (in) / 60 centimeters (cm)
- ✓ Diameter only with Vertical Ability - 28,1/2 inch (in) / 72,5 centimeters (cm)
- Multi-work dates:
- ✓ Maximum Cutting Height - 6,3/4 inch / 17 cm (Minimum flange support 10 in / 255 mm)
- ✓ Regular Vertical Effective Travel - Z axis - 15,1/5 in / 40 cm
- ✓ Regular Cutting Capacity on bridge Horizontal Axis - 142 in / 3,5 mt x 78,1/2 in / 2 mt (max. 161,1/2 in / 4,1 mt)
- ✓ Power Admitted on Cutting Motor 15 Kw (20 Hp) / 30 Amp. ; 22 Kw (30 Hp)
- ✓ Approximate Weight - Starting on 13,700 lbs / 6,200 kilos (kg)
- ✓ Height Required with rotative head saw - Starting on 130 in / 3,3 mt
- ✓ Inside distance between lateral rails - 208,1/2 inch / 5,3 meters to 236 inch / 6 meters (using gamma 500)
- ✓ Maximum cutting speed shift - 1,580 in / 40 mt by minute
- ✓ Admitted peripheral speed of the cutting - at 5Hz 28 or 35 mt/second (can set up with inverter)
- ✓ Headwaters admitted - regular 118 in / 3 mt , other measure available changing the monobloc concept.



Roundabout Saw Over Tilt Bench Monoframe

DOWNLOAD PDF



Two gammas allowing full cutting capacities until 8,1/4 in / 22 cm with top performance movements over proper frame.

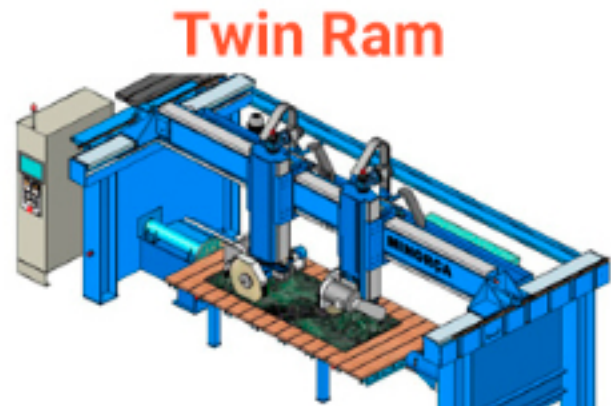


Decide maximum cutting capacity
(all adopted features are common across all ranges)

Gamma 300 & 500

2 sizes on bridge length (208,1/2 in / 5,3 mt & 236 inch / 6 meters)

Monobloc Twin Ram



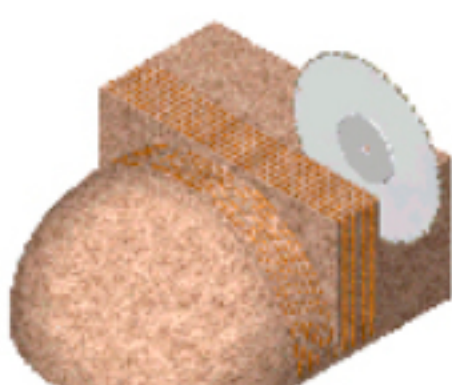
HERCULES SERIES
GAMA 300 & 500
MODEL defined by
max. cut - 20 in / 51 cm;
Bridge length 236 in / 6 mt

Twin Heads With lateral inclination



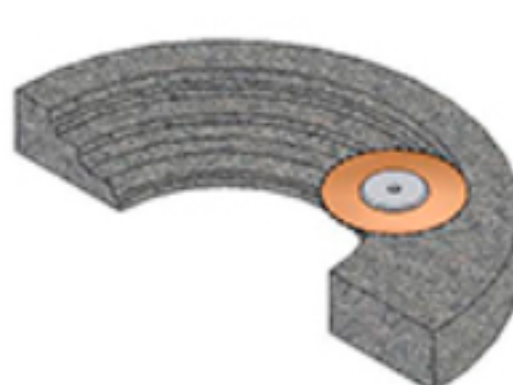
HERCULES SERIES
GAMA 300 & 500 & 800
MODEL defined by
max. cut - 24 in / 63 cm;
Bridge length 315 in / 8 mt

Working Types



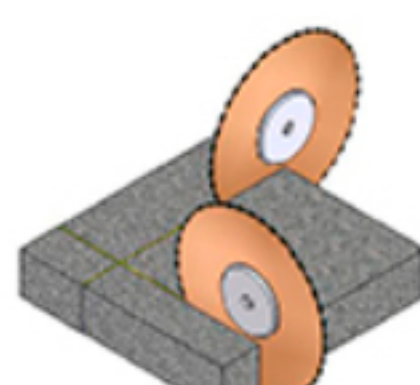
Multiple Axes Movement At Same Time

Can make profiles using several axes, depending of the control system it's possible execute programs generated on cad cam system outside or in proper cad on control machine, the cutting parameters can be changed on machine, the final work quality it's defined by quantity of cross cut spacement



Profiling With Horizontal Saw

Can do that in several systems, the most fast and cheaper it's coordinate the automatic rotation bench supporting above 12tons with the cutting head, can also work with the horizontal saw mixing several axes or milling the stone



Execute 90 Degrees Cutting Angle

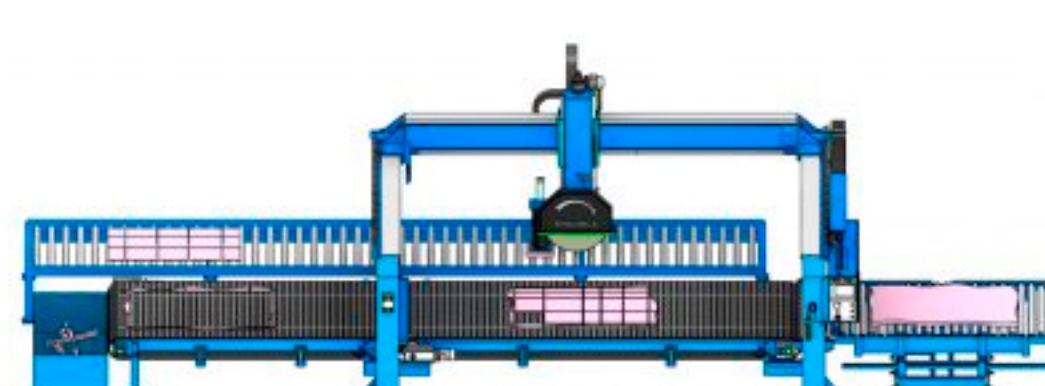
In automatic execution can program both cutting sides

[Read More](#)

The Hercules Series on Center Saw Rotate Head Over Tilt Bench

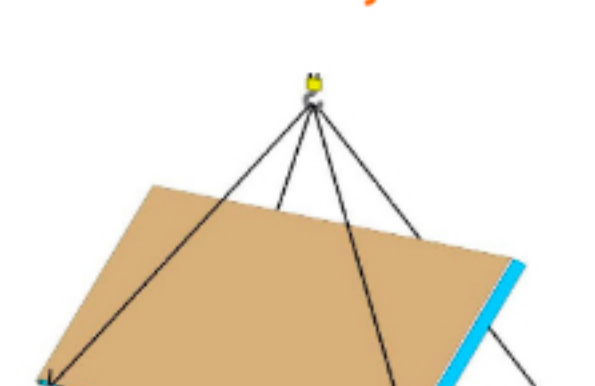
Working Bench's
Cutting Heads
Particular Cad Draw Programing
Increase Potential
Lateral Pillars Solutions
Detailed Pillars Manufacture
Displacement Cutting Cars
Hi-Tech Saw on Belt Conveyor
Twin RAM on Monobloc
Tilt Table for Easy Load
Severall Length on Bridge
Easy Assembly and Durability
Common Parts
Overall FootPrint
On Request Part's

Best Optimize on Working Table



For each type of work, we have a more suitable bench solution

Tilt table for an easy load of slabs

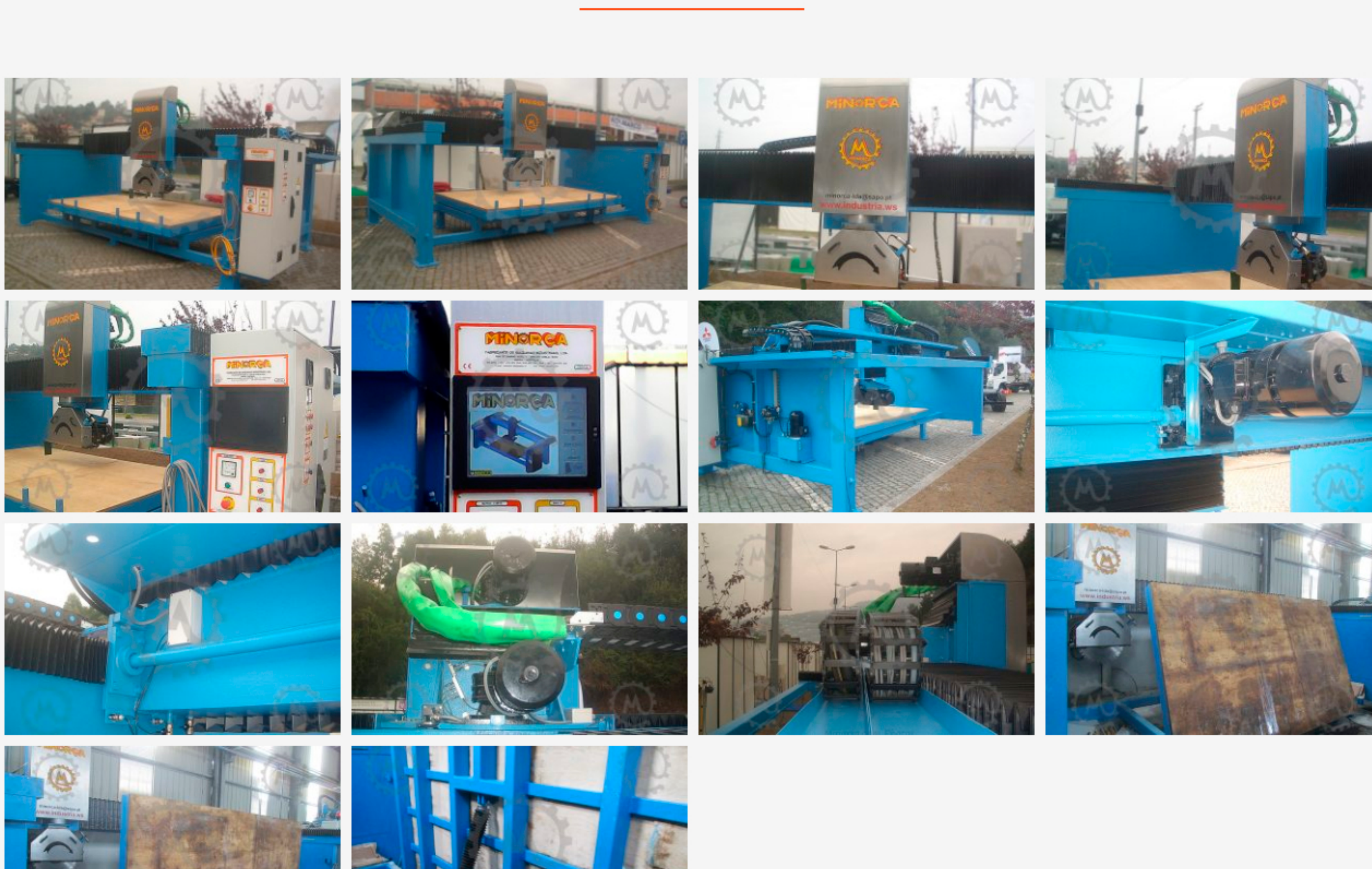


Ideal for bridge crane loading and slab work up to 5cm, it is coated with marine wood, with hydraulic system, and can support weight without twisting. It is also possible to adopt the pneumatic inclination only to receive the slabs. It has an integral frame to allow the exchange for another workbench to work in the same space. The top base dimension starts on 118in / 3m and can be made until 157,1/2in / 4m or more with the hydraulic tilt if necessary.

Rollers table for rear unload or cutting on the dead times



Gallery



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