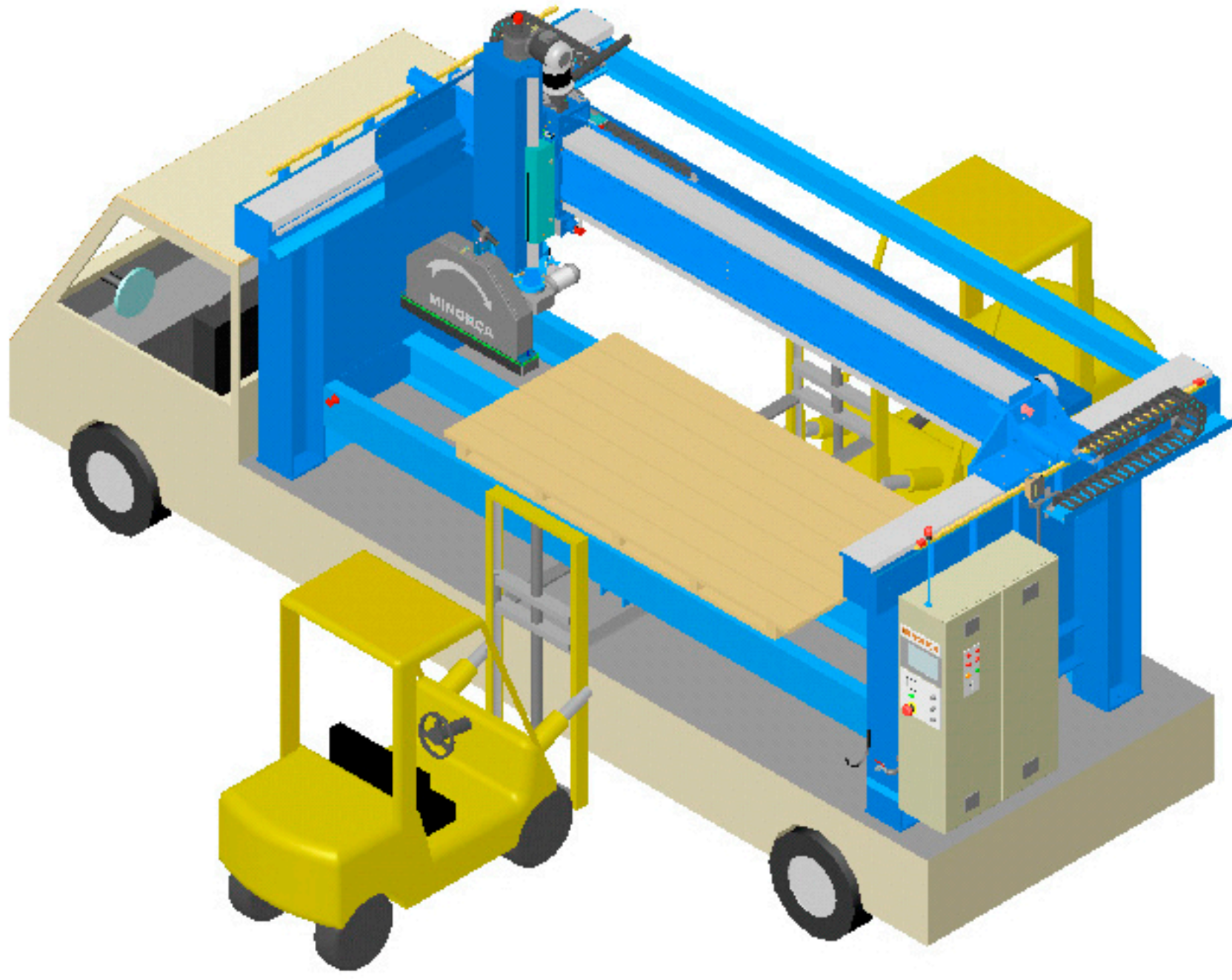


Monoframe Bridge Saw

HERCULES SERIES MONOFRAME



About

Currently, matching the Hercules Series in its Gamma 300 & 500, presents a concept of application in monobloc structure, that have been implemented by Minorsa, in 1985 with the joint presentation of the use of the rotary head.

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.

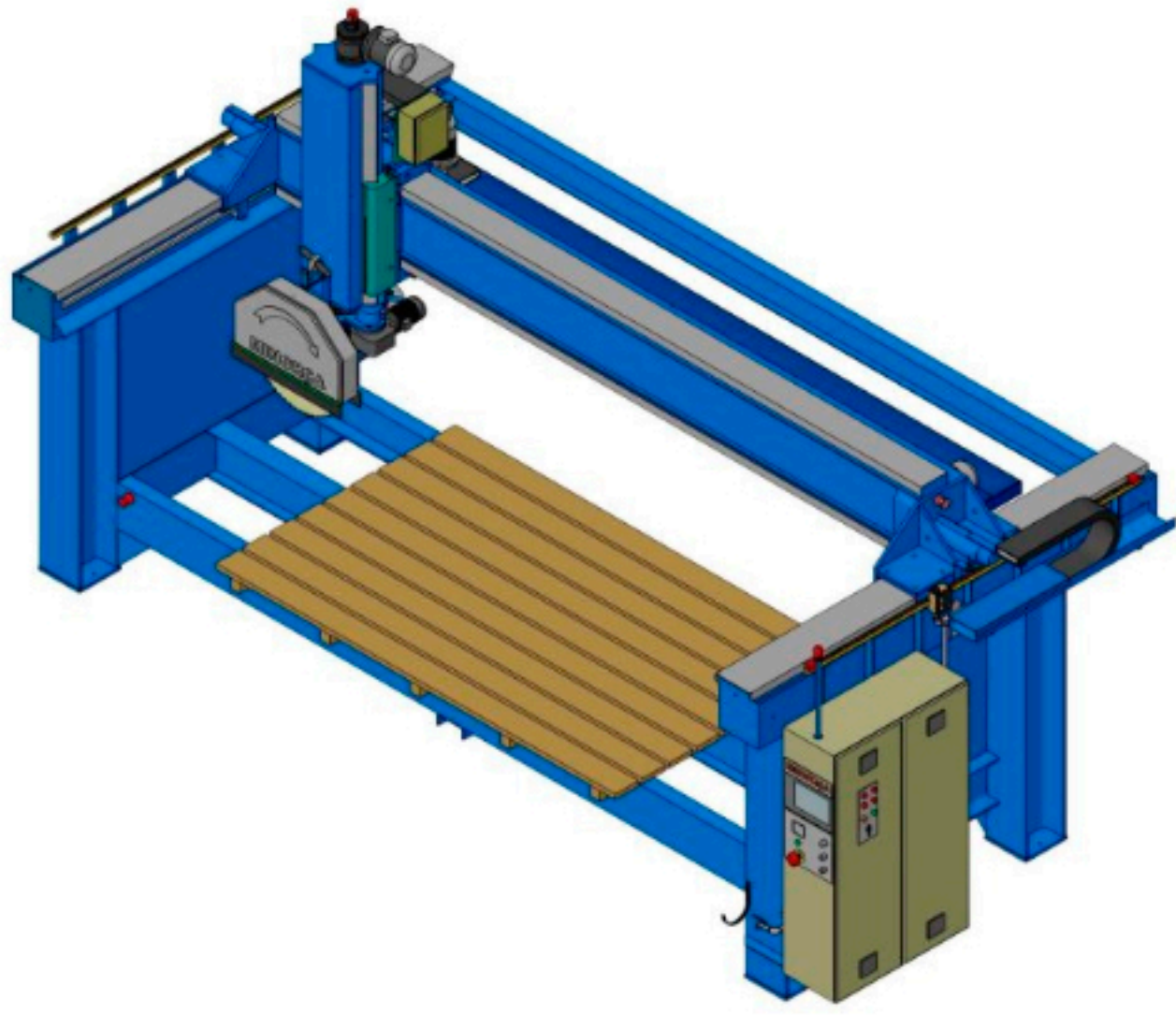
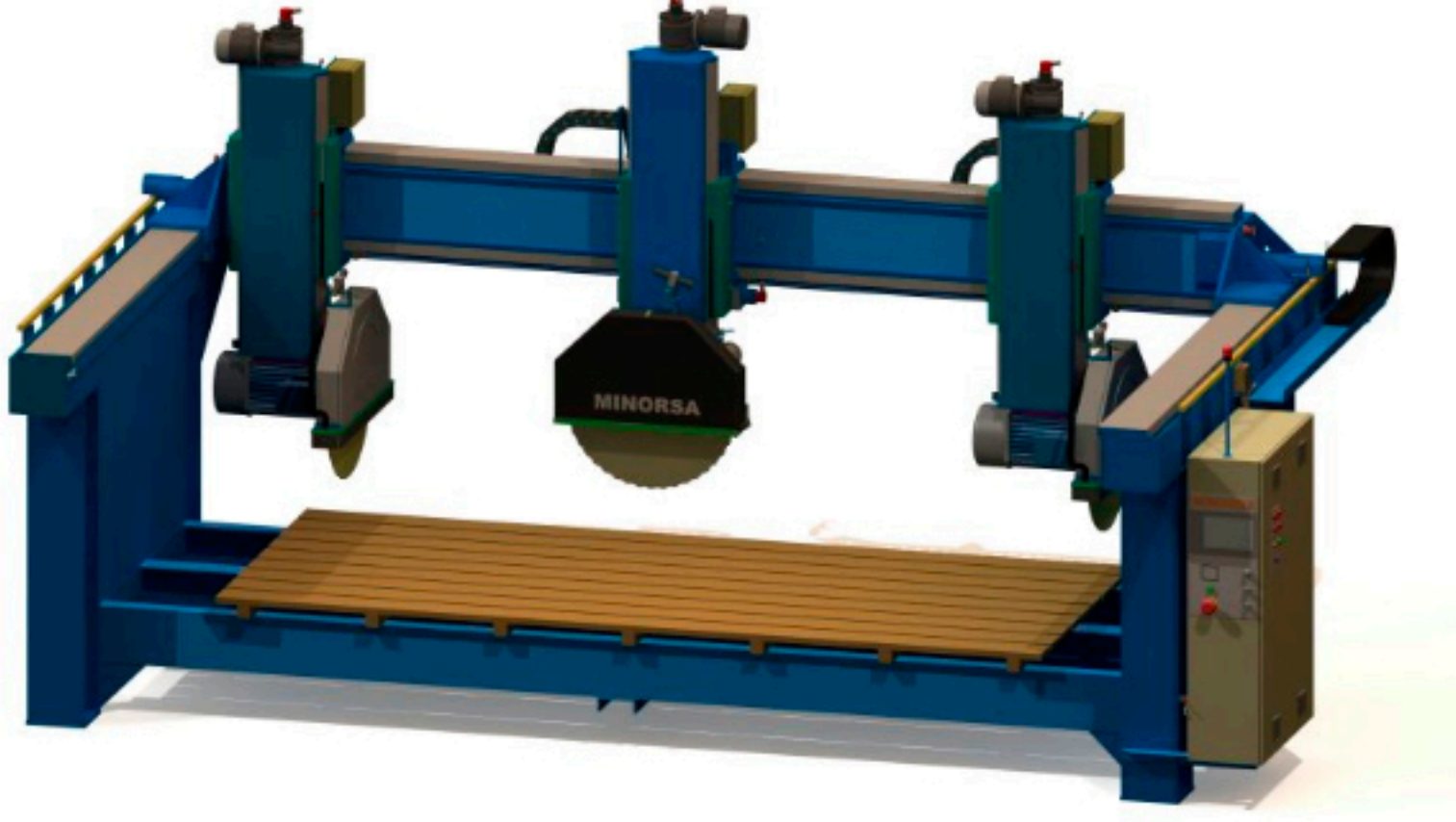
With capacity to operate the standard material of the market, presents as quick installation solution and potential to be quickly repositioned in order to increase the power of factory layout.

This equipment has several capacities in this concept, from linear cutting to circular cutting.

Technical Features

HERCULES SERIES DEVELOPMENT ON 100% MONOBLOC CONCEPT

- ✓ Diameter of Disc Admitted on Multi-work – 28.1/2 inch (in) / 72.5 centimeters (cm)
- ✓ Diameter only with Vertical Ability – 43 inch (in) / 1.1 meters (mt)
- Multi-work dates:
 - ✓ Maximum Cutting Height – 16.1/2 inch / 42 cm (Minimum flange support 9.3/4 in / 250 mm)
 - ✓ Regular Vertical Effective Travel – Z axis – 18.5 in / 47 cm (Maximum 27.1/2 in / 70 cm)
 - ✓ Regular Cutting Capacity on bridge Horizontal Axis – 133.3/4 in / 3.4 mt (max. 161.1/2 in / 4.1 mt)
 - ✓ Power Admitted on Cutting Motor 15 Kw (20 Hp) / 22 Kw (30 Hp)
 - ✓ Approximate Weight – Starting on 13.200 lbs / 6.000 kilos (kg)
 - ✓ Height Required with rotative head saw – Starting on 141.3/4 / 3.6 mt
 - ✓ Inside distance between lateral rails – from 157.1/2 in / 4 mt (regular: 208.1/2 inch / 5.3 meters) to 236 inch / 6 meters (using gamma 500) 230 inch / 5.84 mt (special size into 20 feet container)
 - ✓ Maximum cutting speed shift – 78.1/2 in / 20 mt by minute or 157.1/2 in / 40 mt by minute
 - ✓ Admitted peripheral speed of the cutting – 20 to 50 mt/sec
 - ✓ Headwaters admitted – regular 118 in / 3 mt, other measure available changing the monobloc concept.
 - ✓ Regular monoframes – SAW with head rotation, LATHE with head rotation or round shape, EDGE shape polishing, SINGLE cut saw, dedicated FINISHING work machines



Bridge Saw over Mono Bloc Frame

DOWNLOAD PDF



Two gammas allowing full cutting capacities until 16.1/2 in / 42 cm with top performance over high thickness.



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

Direct Flange

8.1/4 in / 22 cm disc 28.1/2 in / 72.5 cm

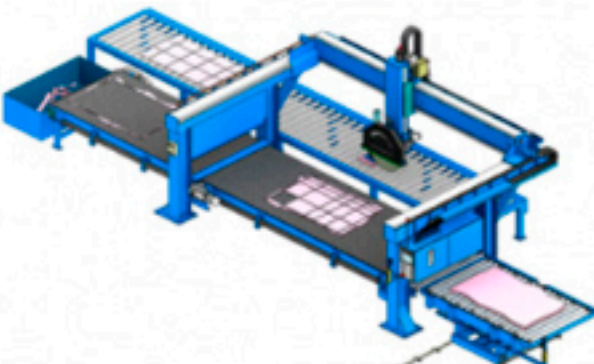
Pulleys Flange

9 in / 23 cm disc 23.1/2 in / 60 cm
9.5/16 in / 23.7 cm disc 28.1/2 in / 72.5 cm
16.5/8 in / 42 cm disc 43 in / 1.1 mt

Flange on angular box

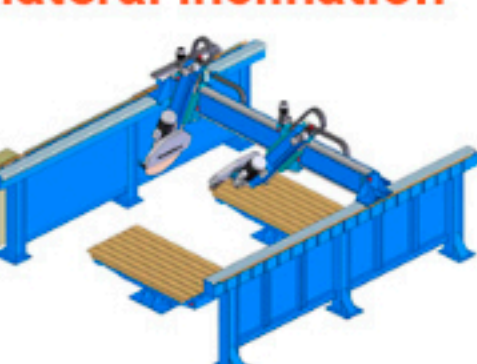
6.1/4 in / 16 cm disc 23.1/2 in / 60 cm

Belt conveyor multi-purpose



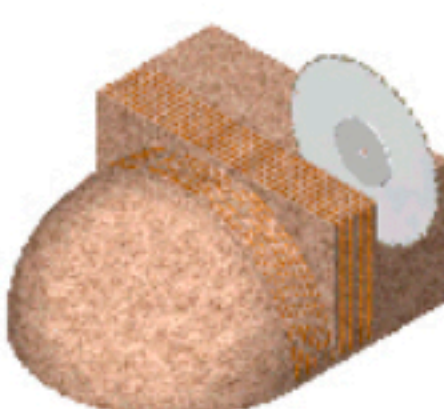
HERCULES SERIES
GAMA 300 & 500
MODEL defined by
max. cut - 14.1/2 in / 37 cm;
Bridge lenght 236 in / 6 mt.

Twin Heads With lateral inclination



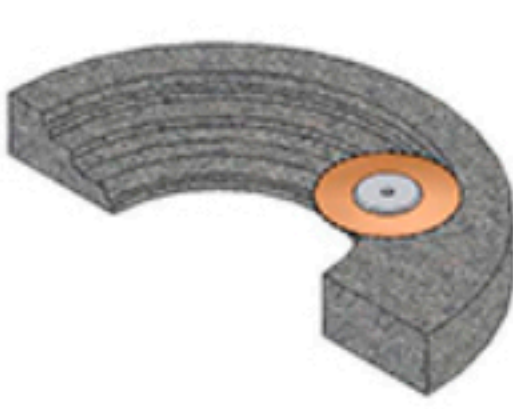
HERCULES SERIES
GAMA 300 & 500 & 800
MODEL defined by
max. cut - 24 in / 63 cm
Bridge lenght 315 in / 8mt

Working Types



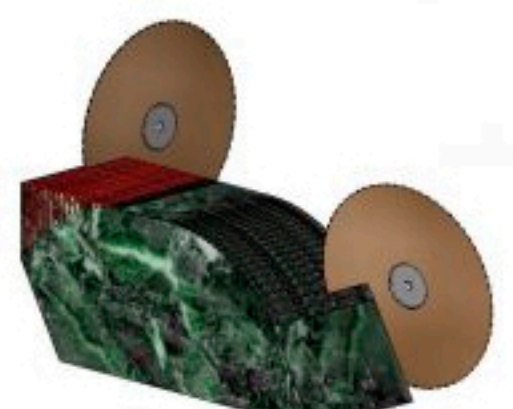
Multiple Axes Movement At Same Time

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



Cutting Execution by Lateral Development

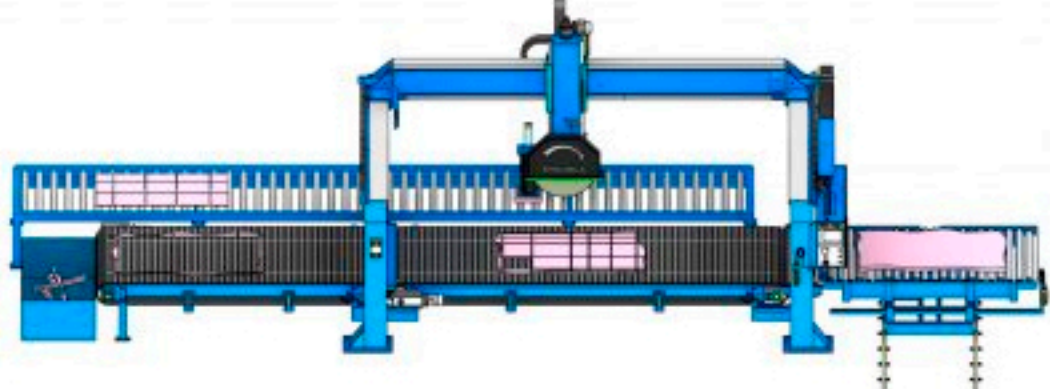
This process can be executed in vertical as well in tilt position, to be a fast cutting can order only one axis cutting movement, much used on primary cleaning or in continued parts

Read More

The Hercules Series Over Mono-Bock Frame

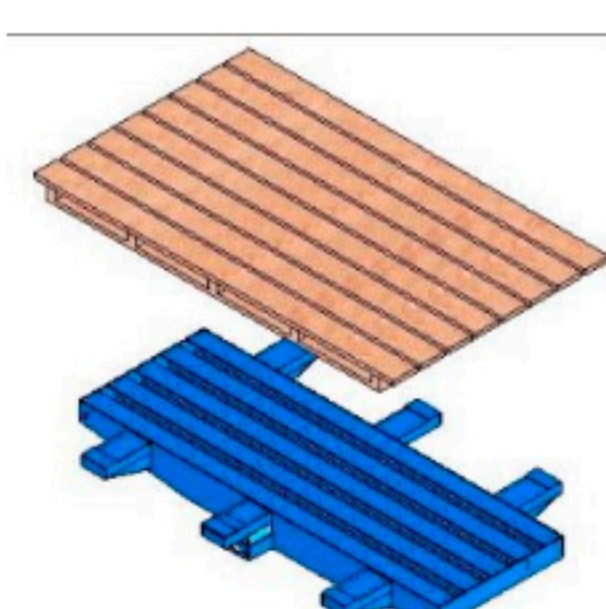
Working Bench's
Cutting Heads
Particular Cad Draw Programing
Inclination Systems
Increase Potential
Lateral Pillars Solutions
Detailed Pillars Manufacture
Displacement Cutting Cars
Twin RAM over Monobloc
Tilt Table for Easy Load
Severall Length on Bridge
Easy Assembly and Durability
Common Parts
Foot Print
On Request Part's
Hi-Tech Saw on Belt Conveyor
Spheral Lathe on Monobloc
Fixed Bridge Cut By Cut
Edge Polishing

Best Optimize on Working Table



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

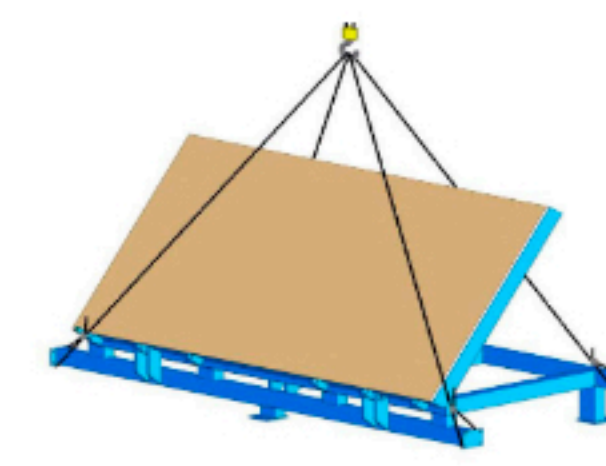
Pine Wood Bench



Each Bridge Saw over Mono Bloc Frame will be supplied with an Pine Wood Bench to allow the fast change of working loads, can be moved by an forklift and supports 8.1/4 in / 22 cm of complete slabs, more high must adopt the Exchangeable table with metallic frame.

Size 5.1/2 in 14 cm high and 118 in / 3mt by 70.3/4 in / 1.8 mt

Tilt table for an easy load of slabs



Ideal for bridges, easy loading and slab work on the saw, it is coated with epoxypowder with hydrolic system, and easy

Gallery



CONTACT US