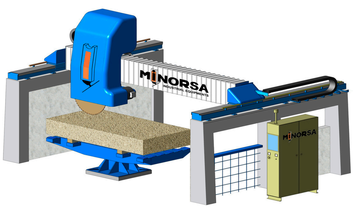
Bridge Saw With Automatic Bench

HERCULES SERIES GAMMA 300



About

With a robust structure, it is faster in its segment, almost without dead time. It analyzes the materials to be cut and combines several technologies. It is considered a highly profitable equipment with several options of displacement. The length of the bridge between walls of support of 208.1/2 inch / 5,3 meters allows a cutting displacement of 118 inch / 3,05 meters on sandstone (in the cut of granite by steps will be more) with protection of 43 inch / 1,1 mt or more in the process of vertical steps.

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The maximum vertical displacement on this gamma 300 is 39,1/2 inch / 1 meter allows several cutting steps and great polyvalence at the height of the stone. The vertical displacement of 13,3/4 inch / 0,3 meters allows the process of cutting in sandstone in two stages. There are various types and lengths of displacement heads to receive the multiple rams.
The Hercules series adopts the principle of using common parts by changing their sizes by gammas.

It has a digital programmer that allows you to view various menus from the introduction of the cut dimensions to the appropriate drawing of the profile. It provides an industrial console to enter the various cutting dimensions and allows controlling the cutting speed by checking the saw's tension. Also allows the return of the cut at maximum speed. There are various types of bench for the best working situation.

Technical Features

THE BASE OF HIGH THICKNESS BRIDGE SAW ON MULTI-PURPOSE

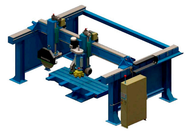
- ✓ Diameter of Disc Admitted on Multi-work – 35,1/2 inch (in) / 90 Centimeters (cm)
- ✓ Diameter only with Vertical Ability – 43,1/2 inch (in) / 1,1 meters (mt)

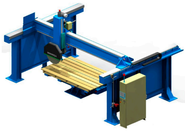
Multi-work duties:

- ✓ Maximum Cutting Height – 12,1/2 inch / 320 mm (Minimum flange support 10 in / 250 mm)
- ✓ Regular Vertical Effective Travel – Z axis – 16 in / 40 cm (Maximum 39 in / 1 mt)
- ✓ Regular Cutting Capacity on Dual Horizontal Axis - 142 in / 3,6 mt
- ✓ Power Admitted on Cutting Motor 15 Kw / 20 Hp / 22 Kw (30 Hp) on vertical 30 Kw / 40 Hp)
- ✓ Approximate Minimum Weight – 12.100 lbs / 5.500 kilos (kg) to 15.000 lbs / 6.800 Kg
- ✓ Maximum Height Required with Automatic Spindle Table – 153,1/2 in / 3,9 meters (mt) or 4,30 mt
- ✓ Regular distance between lateral rails – 208,1/2 inch / 5,3 meters

230 inch / 5,84 mt (special size into 20 feet container)
208,1/2 in / 5,3 mt (with 39 in / 1 mt RAM)
189 inch / 4,8 mt , 157,1/2 in / 4 mt (for more length see other gamma's)

- ✓ 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 – 1062 in / 20 to 50 mt/second (must define the stone and can change 30% more/less)
- ✓ Headwaters admitted – 177 in / 4,5 – 216,1/2 in / 5,5 - (concrete only 236 in / 6 – 334,1/2 / 8,5 – 393,1/2 / 10) mt (Maximum 78,1/2 in / 20 mt)





Saw on Mono Bridge Concept

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Three gammas allowing full cutting capacities until 58in / 147cm with a low production cost.

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

Gamma 300

Pullays Flange

9 in / 23 cm disc 23,1/2 in / 60 cm
35,1/16 in / 23,7 cm disc 28,1/2 in / 72,5 cm

With security system

16,1/2 in / 42 cm disc 43 in / 1,1 mt
19,11/16 in / 50 cm (on special and vertical) disc 51 in / 1,3 mt

Falange on angular box

12,3/16 in / 31 cm disc 35,1/2 in / 90 cm

Direct falange on motor

8,1/2 in / 22 cm disc 28,1/2 in / 72,5 cm

Multi-purpose Bridge Saw

HERCULES SERIES
GAMA 500
MODEL defined by
max. out - 37 in / 94 cm;
Bridge lenght 295 1/2 in / 7,5 mt

High capacity on discs and lenght

HERCULES SERIES
GAMA 800
MODEL defined by
max. out - 58 in (1.470 mm);
Bridge lenght 354,1/4 in / 8,5 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 of 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

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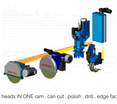
The Hercules Series to High Thickness Sawing by Multi-Purpose

- Cutting **Heads**
- Particular **Cad** Draw Programing
- **Inclination** Systems
- Increase **Potential**
- **Lateral Pillars** Solutions
- More Displacement on **Pillars**
- Displacement Cutting **Cars**
- Option Dedicated on **Bloc Saw**
- **Multiple** Benchs
- Working **Bench's**
- Hi-Tech Saw on Belt Conveyor
- Several Length on **Bridge**
- Easy Assembly and **Durability**
- Common **Parts**
- Foot Print
- On Request Part's

Maximum Potential of the Equipment Using Multiple Cutting Heads



Suitable for ALL heads IN ONE ram , can cut , polish , drill , edge faces and all more.

The decision to use multiple heads for multi-operations can be increased even after the equipment is installed. At beginning, it's provided a ram with supports ready to receive all exchange program heads. With this mechanism it is intended that the equipment is constantly evolution and adjust to the market requested by customers.

Rotation head 90° with blocking system or 360° with breaking system

Gallery

MINORSA INDUSTRIAL EQUIPMENTS

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