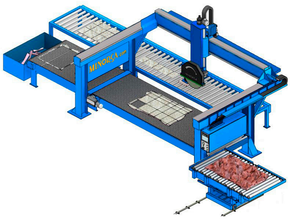
# Combi Saw on Belt Conveyor

HERCULES SERIES CONVEYOR BENCH



## About

Currently, matching the Hercules Series in its Gamma 300 & 500, presents a concept of saw working over conveyor bench, that can be assembled with several options, making it the most profitable and precise cutting equipment. The use of the rotary head improves the fast production, allowing to process the choose on several Multi-Purpose Heads.

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 movements capacity. Carrying the constant development of the Hercules Series to this integral assemble concept.

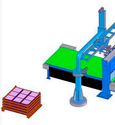
With capacity to operate the hi-thickness and hard material's of the market, presents as fast, conjugate, robust and tested solution and potential to be quickly repositioned in order to increase the power of factory layout.

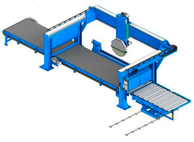
This equipment has several capacities in this concept, from linear cutting to circular cutting, the bench may have different sizes been perfect to adjust on processing cutting lines, can mount the twin heads on the conveyor, turning, automatic loads.

## Technical Features

AN HI-TECH SAW ON CONVEYOR ALLOW THE HI THICKNESS SLABS PROCESSING CONJUGED BY MORE EXPLORING CAPACITY AND POTENTIAL FOR TURNING, PROFILING, STRIPS OVER REAR BENCH

✓ Diameter of Disc Admitted with Direct Motor – 281,1/2 inch ( in ) / 72,5 centimeters ( cm )
✓ Disc With Gyratory Head with Independent Motorization – 51 inch ( in ) / 1,3 meters ( mt )
✓ Diameter Using the Inclination Systems – 43 in / 1,1 mt
✓ Diameter only with Non-Rotation Head (front/rear movement) – 51 in / 1,3 mt
Multi-work dates:
✓ Maximum Cutting Height – 161,1/2 inch / 42 cm or 19,11/16 in / 50 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 )
( With the Inclination Systems – 43,1/2 in / 1,1 mt )
✓ Regular Cutting Capacity on bridge Horizontal Axis = 133,3/4 in / 3,4 mt , 145,1/2 in / 3,7 mt and
With only the use of gamma 500 bridge 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 145,1/2 in / 3,7 mt or 161,1/2 in / 4,1 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 – 65,1/2 foot / 20 mt by minute or 121,1/2 foot / 37 mt by minute
✓ Admitted peripheral speed of the cutting – 28 to 50 mt/sec (one will select with max. power on +/- 30%)
✓ Headwaters admitted – regular 118 in / 3 mt until 216,1/2 in / 5,5 mt (other measure available)
✓ Regular combi works – Rotating Axis on LATHE Body
Produce rounds, squares and other shapes. The regular dimensions are 118 in / 3 mt long with ability to work 19,1/2 in / 50 cm. From a square shape, works with one or two cutting heads.
EDGE shape polishing:
Execute top face polishing in high trickiness, and a max. thickness height 4,3/4in / 12cm. Designed for thick polishing, provide over heads change system.
ROLLER Bench to Stripes.
Width starts on 31,1/2 in / 80cm and the standard length is 118 in / 3mt plus on main body plus the exit rollers until pallets, 236in / 6mt
Palletizer ROBOT , Tilt Bench , Multi-Heads Exchange





## Bridge Saw over Conveyor Bench

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Two gammas allowing full cutting capacities until 161,1/2 in / 42 cm or 19,11/16 in / 50 cm with top performance over high thickness.

Decide maximum cutting capacity
(all features using Gamma 300 & 500 until 236 inch / 6 meters range)

**Gamma 300 & 500**

3 sizes on bridge lenght ( until 236 inch / 6 meters )

**Monobloc Twin Ram**

HERCULES SERIES
GAMA 300 & 500
MODEL defined by
max. cut - 22 in / 51 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

**Palletization Process**

With several bench and robots can improve the shipping process

**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

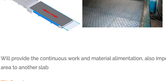
## The Hercules Series on Hi-Prodution Conveyor

- 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 **Conveyor**
- **Twin RAM** on Monobloc
- Tilt Table for **Easy Load**
- Several Length on **Bridge**
- Easy Assembly and **Durability**
- Common **Parts**
- Overall FoodPrint
- On Request Part's
- Monoframe Bridge Saw

### Best Optimize on Working Table

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

**Belt Bench**



Will provide the continuous work and material alimentation, also important to move large stripes and free the cutting area to another slab

**Tilt Bench**

## Gallery

MINORSA
INDUSTRIAL EQUIPMENTS

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