

Multi-Wire Saw Over an Ring Frame

MULTI-WIRE SAW



About

Allows cutting several blocks of different dimensions and stone types simultaneously. Greater cut capacity using less space, no need for huge foundations.
The Gantry structure allow an perfect union of all components, since the lateral twin pillars connected over creating an perfect ring, that supports the vertical travel shafts connected into the wheels support car, that ones are moved by gearbox to allow the slow displacement on cutting process and also improves the fast velocity to make the repositioning.
The equipment uses an monoframe structure fixed, with the displacement on measures over an moving bench.

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Can be used to multi materials cutting process, the wire speed can be change by the inverter and the easy open of the doors allow an fast and easy change of the diamond wires if necessary.
The process can be set to vertical cuttings.
Based on robustness this equipment are able to cut the must hard granites in the world.

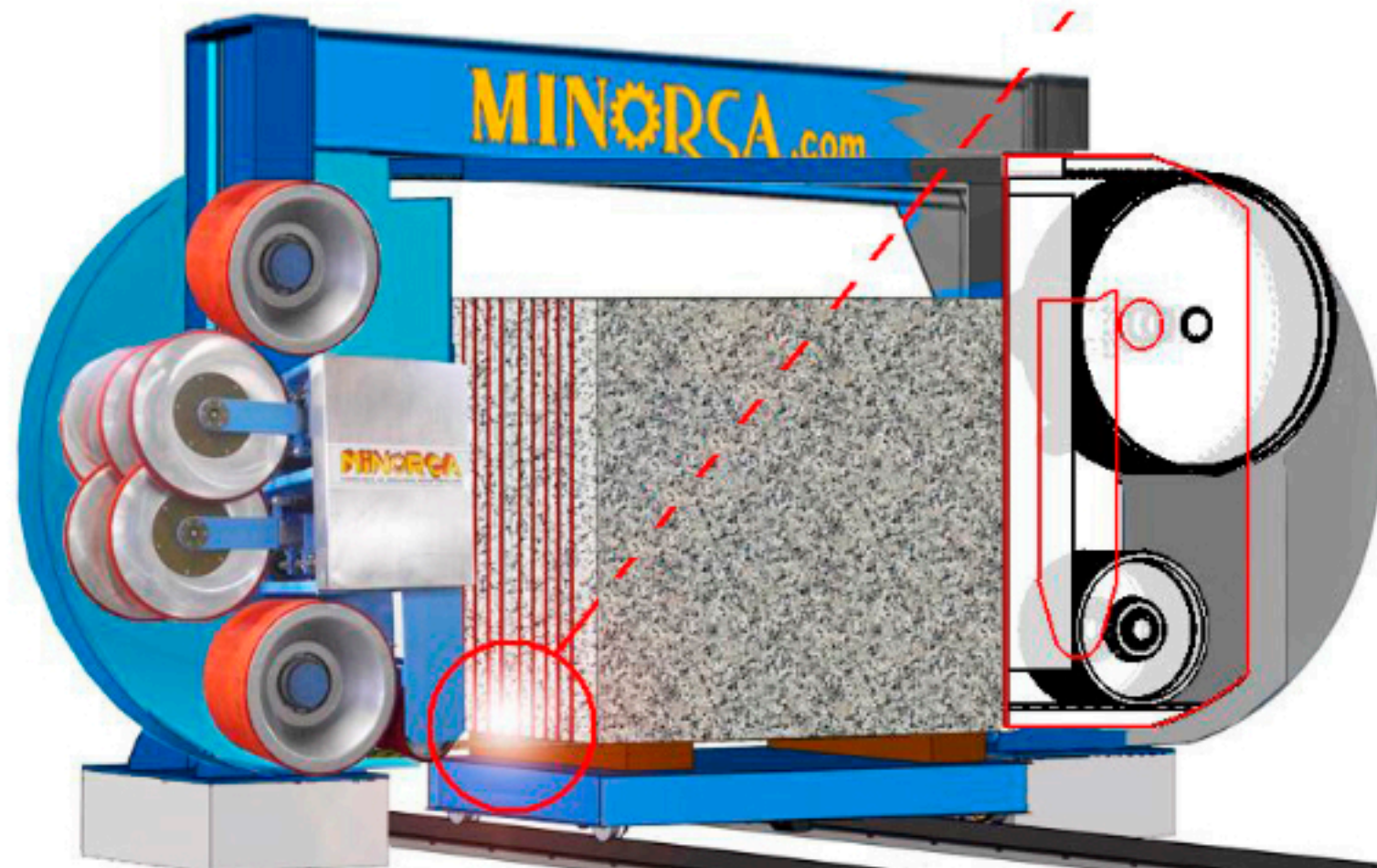
It provides an industrial console to enter the various cutting dimensions and allows controlling the cutting speed by checking the wire's tension. Also allows the return of the cut at maximum speed. There are various types of bench for the best working situation.

Technical Features

MULTI-MATERIAL WORK WITH LONG LENGTH ABILITY

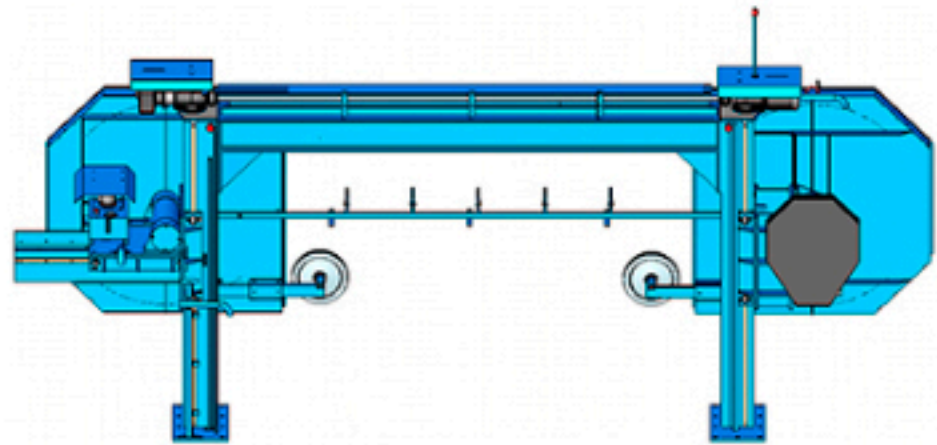
- ✓ Wheel diameter – std = 78.1/2 inch (in) / 2 meters (mt)
optional = 90.1/2 in / 2,3 mt. or 98.1/2 in / 2,5 mt
- ✓ Max. wheel height – 78.1/2 in / 2 mt = 78.1/4 in / 1.99 mt
90.1/2 in / 2,3 mt = 90 in / 2.29 mt (vertical process)
- ✓ Standard cutting capacity between wheels – 145 in / 3,7 mt
- ✓ Traction engine power – 15 Kw (20 Hp) / 22 kW (30 Hp)
- ✓ Approximate minimum weight – 16,700 lbs / 7,600 Kilos (Kg)
- ✓ Required max. height – 173.1/2 in / 4,4 mt • rising wheels
- ✓ Maximum distance reachable guide wheel – 31.1/2 in / 80 cm
- ✓ Maximum travel speed cut – 70.1/2 in/hour / 1.8 mt/hour
- ✓ Maximum ascent rate – 52.1/2 in/minute / 1,34 mt/minute
- ✓ Peripheral speed for cutting – 787 to 1,500 in/second
20 to 38 (or 38 to 50) mt/second
- ✓ Hydraulic pressure exerted on the wire – 24 to 45 bar
(adjustable and fixed on 1 value)
- ✓ Permissible wire length – 709 to 736 in / 18 to 18,7 mt
- ✓ Displacement rails – 216.1/2 in / 5,6 to 78.1/2 in / 20 mt
236 in / 6 mt : 334.1/2 in / 8,5 mt : 393.1/2 in / 10 mt

From Our Knowledge, The Project



Multi-Wire Saw on Monoframe

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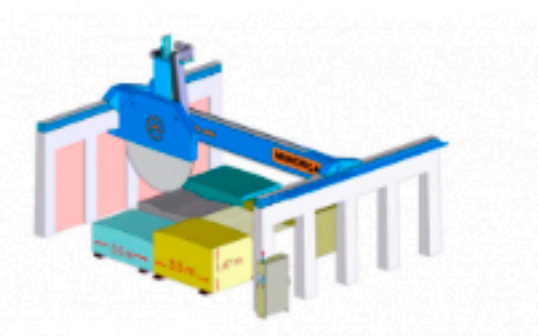
By the wheels format it allows using the diamond wire for longer periods of time and it is very easy to set.

Compact Portic Block Saw



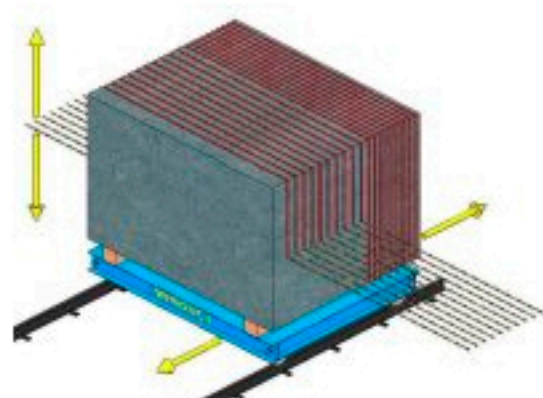
DOUBLE BRIDGE
COMPACT CUTTING
CAR MODEL defined by
max. cut = 58in / 1,47 mt;
Min. periph. speed: 20 mts/sec

High capacity on discs and lenght



HERCULES SERIES
GAMA 800
MODEL defined by
max. cut = 58 in / 1,470 mm;
Bridge lenght: 334,5/8 in / 8,5 mt

Working Types



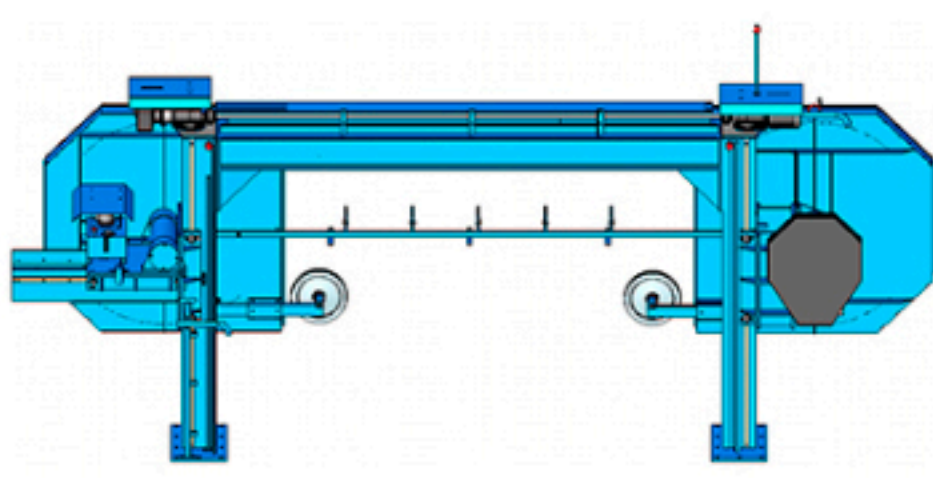
Wire Saw cutting process

With one or multiple cables will execute the slab cutting process, the must high height or length saw process

Multi-Wire developed to high thickness Saw

Working Bench's
Multiwire Saw
Horizontal Work
Easy Assembly and Durability
Overall FootPrint
On Request Part's

Best Optimize on Working Table



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

Continuous rotation bench allowing 32 tons.



Ideal for transferring materials out of the machine without interruptions. The rotation is electric and works on a fabricated ring, on the outside or the base of the must. he ring is on conical shape to provide of 98.1/2in / 2,5mt and can assemble side arms to provide 118 in / 3m. the working height start on 29.1/2in / 75cm with the train rail on concrete to elevate

Gallery



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