

MONOFRAME 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 a 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, that ones are moved by gearbox to allow the slow displacement on cutting process and also improves the fast velocity to make the repositioning.

Theres dual ways to displace on measures, over an portico system moves on rails or with the monoframe fixed and an moving bench.

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 wire if necessary.

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The process can be set to vertical cuttings, to vertical profile, by the use of monowire or twin wire or even set the support wheels to work on horizontal process allow long stones cutting, by this is the only option to provide long lengths.

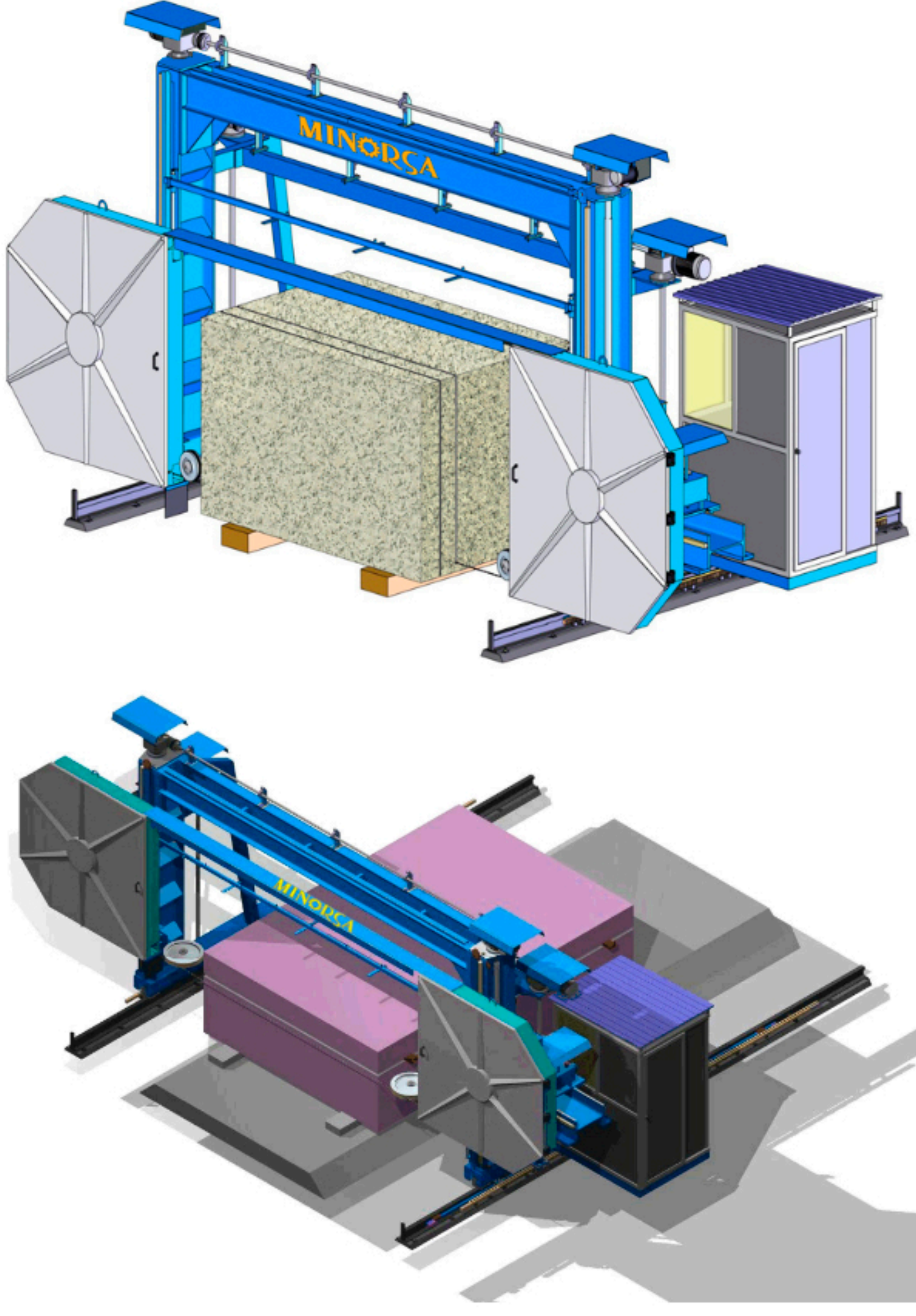
Based on robustness this equipment are able to cut the must hard granites in the world. With experience and tested components over more than 50,000 working hours.

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 wire tension. Also allows the return of the cut at maximum speed. There are various types of bench for the best working situation.

Technical Features

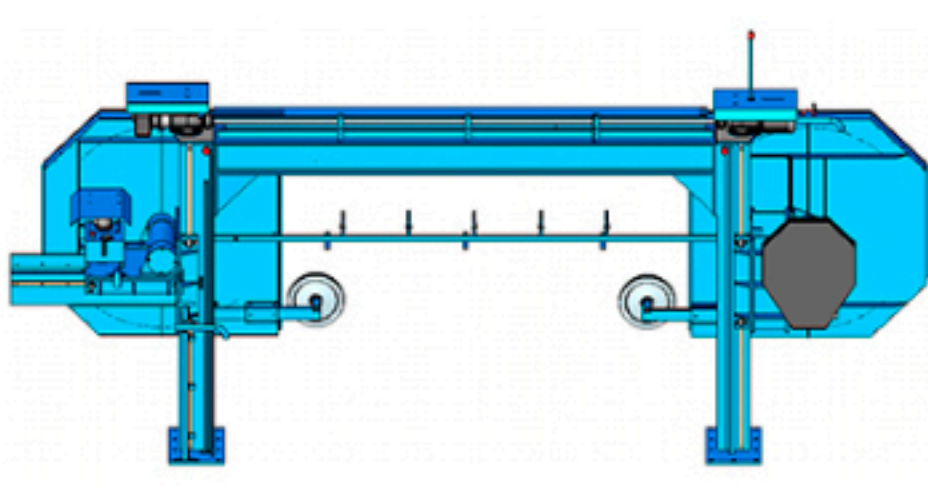
MULTI-MATERIAL WORK WITH LONG LENGTH ABILITY

- ✓ 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



Wire Saw on Monoframe

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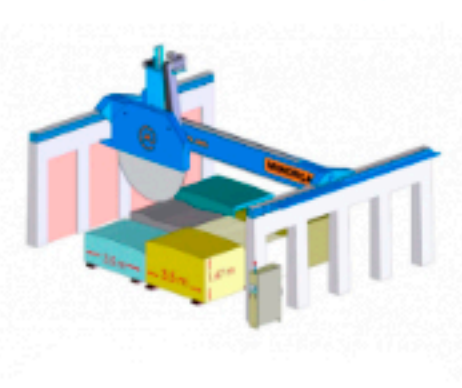
By the wheels format it allows using the diamond wire for longer periods of time and it is very easy to set.

Compact Portic Block Saw



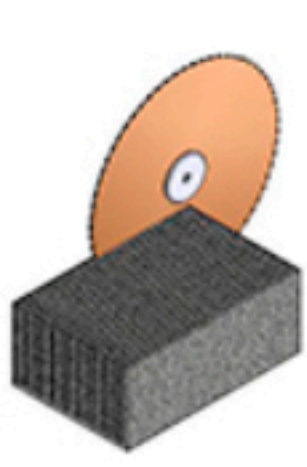
DOUBLE BRIDGE
COMPACT CUTTING
CAR MODEL defined by
max. cut - 58in / 1,47 mt;
Min.periph.speed:20 mts/sec

High capacity on discs and lenght



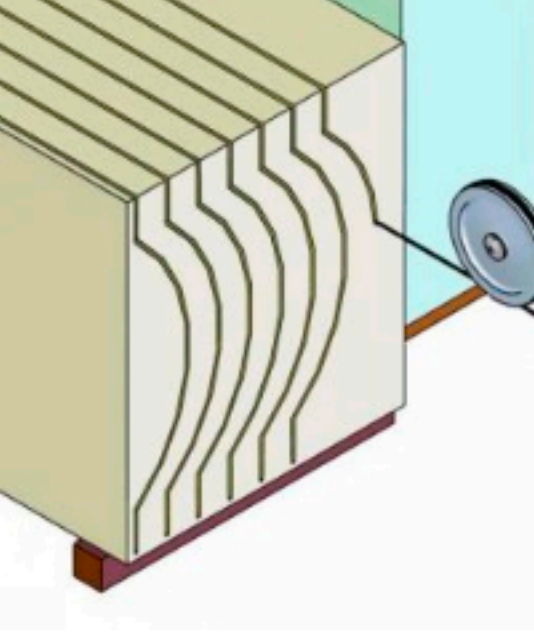
HERCULES SERIES
GAMA 800
MODEL defined by
max. cut - 58 in / 1,470 mt;
Bridge lenght 334,516 in / 8,5 mt

Working Types



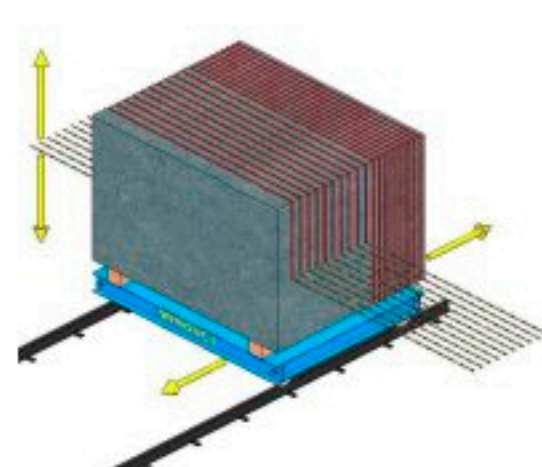
Vertical Cutting For Slabs Production

Development of proper program to maximum rentability stone cutting



Profile Wire Saw

With the use of multi axis work can shape the material by cable work

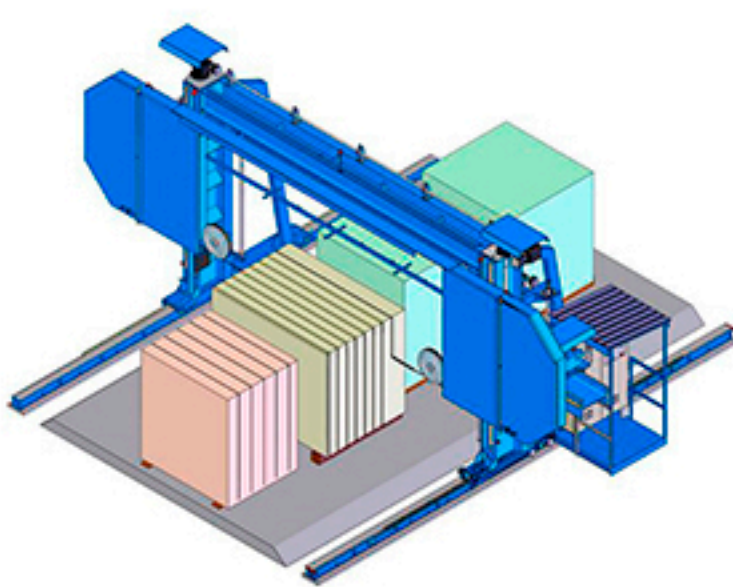


Wire Saw cutting process

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

Multiple Configurations Over Monoframe Wire Saw

High Capacity With Blocks Over Beams



Will provide fast exchange or let some blocks into future cuts, indicated to charge with front fork loader



Gallery



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