

Diamond wire cutting machine.

100 Hp version- 8 poles; the adoption of the INVERTER makes possible the regulation of wire speed from 0 to 40m/sec.

It is possible to realize vertical, horizontal and razed to the ground cuts with any inclination thanks to the possibility of a 370° main flywheel rotation through oil pressure actuators.

The machine is provided by a patented system which controls in an electronic way the mechanical tension of diamond wire through a loading cell.

This system grants the constant pressure of wire on the rock within definite limits apart from external factors like bigger quantity of water, fall in net electric tension, non-homogeneous materials etc..., permitting an well-blended consumption of the wire favouring a bigger duration and making automatic operations of beginning and ending cut.

The machine uses PMI (Perfora Machine Interface) an electronic unit of global control which permits:

- The direction of commands from the operator
- A constant auto-diagnostics of the machine in order to find and signal dysfunctions immediately.
- The recording of possible manumissions
- Management and memorization of all the working parameters including all the information regarding performances of each diamond wire adopted.
- Download all the info on a USB Key

Complete with:

- Protection gard on the machine
- N° 2 3 Mts track
- PMI with extension cable, reduced section of 30 Mts which permits the operator to put himself in safety.
- Support and 2 flywheel diameter 425 mm.

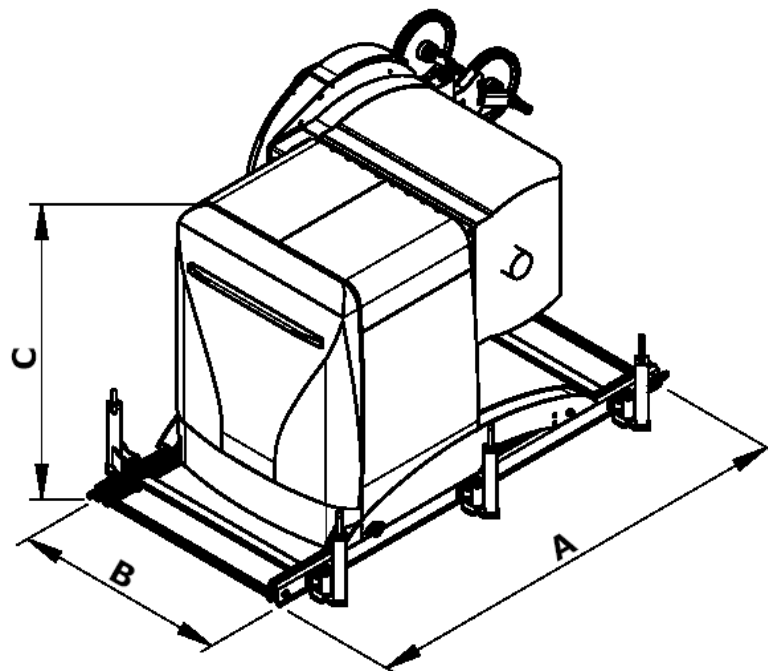
Optionals:

- distance connection via GSM permits constant control by sending info via SMS.
- Wire temperature control thanks to an infraned sensor.
- 24V lighting system for night cutting

Technical Features:

Main Engine: 100 Hp – 55 kW- 8 poles  
 Inverter Main Engine: Omron ( YASKAWA)  
 Inverter backing Engine: Omron (YASKAWA)  
 Diamond wire speed. Variable from 0 to 40 m/s  
 Tractor Flywheel: 1000/800 mm  
 Flywheel guide: 425 mm  
 Power rotation main flywheel: 370°  
 Electromechanical board: airy and with a filtering plant

**FREIGHT DIMENSION**



	Machine Dimension	Freight Dimension
Weight	2300 kg	2400 kg
Total Length A	2.90 mts	2.90 mts
Total Width B	1.40 mts	1.50 mts
Height C	1.68 mts	1.90 mts