

WATER JET

The Water Jet is a cold cutting solution of pieces with more or less complex geometries on all kinds of ferrous and non-ferrous materials and up to quit significant thicknesses. Depending on the material to be cut, a jet of pure water or water mixed with abrasive can be used. Flexibility and versatility are some of the many advantages of Water Jet technology.

Advantages:

- Cutting of various materials with the same tool
- No contact between the tool and the work piece
- Dross free Clean cut without any need of further finishing
- Cutting different materials and significant high thicknesses
- No toxic fumes
- No heat affected zone
- No alteration on the mechanical structure of the workpiece
- Excellent cutting precision
- Easy and simple programming operations
- Cut of complex shapes with sharp angles
- Material saving thanks to the small kerf

Applications:

- Automotive
- Aeronautical and aerospace industry
- Job shops and service centers
- Precision steel fabrication
- Food and textile industries

Materials:

The Water Jet cuts any kind of materials, it is mainly used to cut:

- Metals such aluminum, titanium, stainless steel and carbon steel
- Non-ferrous materials like marble, granite, ceramics and glass
- All kind of plastics and composites
- Gaskets

PRODUCT LINE: **WATER RED**

Water RED is the result of years of experience in the design and manufacturing of waterjet cutting technology. In constant evolution, the entire range of products Soitaab WaterTech, represents the synthesis of innovations developed and successfully tested alongside with many clients in the competitive international market. Soitaab owns the technological cutting tables developed and tested internally, which consolidated know-how that is transferred to the customers, sharing this precious back ground together. The carefully design and selection of a high quality components, make the products WaterTech to achieve high performance in the various fields of application.

Particular attention is paid to the protection of all mechanical components, making this machine totally protected and able to work in hostile environments which are the working conditions of the water jet cutting machines.

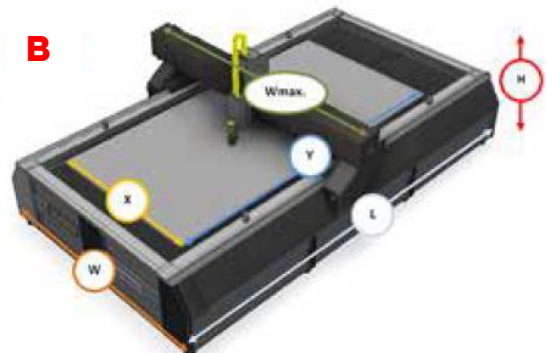
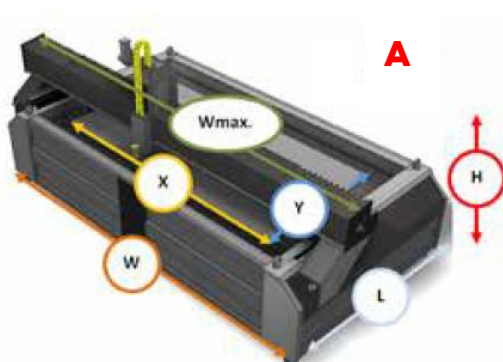
- Power 30hp 50hp 60hp 75hp 100hp 150hp
- Pump power 4000 and 6000 bar (60hp o 125hp)



TECHNICAL FEATURES

A	1530	2030	2040
X (Width)	3000mm (10FT)	3000mm (10FT)	4000mm (13FT)
Y (Length)	1500mm (5FT)	2000mm (6.5FT)	2000mm (6.5F)
W (Width)	4135mm (13.6FT)	4135mm (13.6FT)	5135mm (17FT)
L (Length)	2300mm (7.6FT)	2800mm (9.2FT)	2800mm (9.2FT)
H (Height)	1600mm (5.3FT)	1600mm (5.3FT)	1600mm (5.3FT)
Vmax	4350mm (14.3FT)	4350mm (14.3FT)	5350mm (17.5FT)
Weight	3,500 kg	4,500 kg	4,700 kg

B	2040	2060	2080
X (Width)	2000mm (6.5FT)	2000mm (6.5FT)	2000mm (6.5FT)
Y (Length)	4000mm (13FT)	6000mm (20FT)	8000mm (23.5F)
W (Width)	3100mm (10.2FT)	3100mm (10.2FT)	3100mm (10.2FT)
L (Length)	5300mm (17.4FT)	7300mm (24FT)	9300mm (27.3FT)
H (Height)	1600mm (5.3FT)	1600mm (5.3FT)	1600mm (5.3FT)
Vmax	3300mm (11FT)	3300mm (11FT)	3300mm (11FT)
Weight	7,100 kg	10,500 kg	13,500 kg





TECHNICAL FEATURES

Motors (x, y, z)	Brushless
Driver (x, y, z)	Digital
Positioning Speed	40 m/min
Positioning Accuracy	+ - 0.1 mm/m
Repeatability	+ - 0.05 mm/m
CNC	Soitaab CNC
Monitor	15" Touch Panel Screen
Data Communication	USB – Ethernet – LAN
Cutting Technologies	Waterjet with Abrasive and Plasma
Carriage Stroke Z Axis (Vertical)	200 mm (optional 300 mm)

To place an order, please contact Magma North America Inc. at +1 780 761 2525 or sales@magmanorthamerica.com

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