



**mavijet**<sup>®</sup>  
W A T E R J E T

MJT –WD6-6030 MAVIJET WATERJET CUTTING



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**AMTE**

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**HIGH PRESSURE WATERJET CUTTING SYSTEM ( Registered)**

Cutting size (mm.)	CNC - 6 Axis – Bridge Type 6000x3000x500	
CNC Control Unit	ESA Control Unit	
	Ethernet and Network Interfaces, USB Port	
	Extra Manuel Hand-Wheel (X,Y,Z)	
	Quantity	
X Axis Motor	1 Pcs.	3.2NM Servo Motor Set
Y Axis Motor	2 Pcs.	3.2NM Servo Motor Set
Z Axis Motor	1 Pcs.	1.6NM Servo Motor Set with brake
A Axis Motor	1 Pcs.	1.0NM Servo Motor Set with brake
C Axis Motor	1 Pcs.	1.0NM Servo Motor Set with brake
B Axis Motor	1 Pcs.	3.2NM Servo Motor
Transmission System	Helical Hardened Racks and Pinions	



## MJT –WD6-6030 MAVIJET WATERJET CUTTING

Linear Bearing	Linear Slides and Rails
Step Accuracy	0,01 mm
Rapid Traverse Speed	30.000 mm/min
Lubrication	Automatic Centralized Lubrication System
CAM Program	Manual Nesting Available /Automatic Input – Output System.



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**HIGH PRESSURE WATERJET PUMP**

Model	MJT – 4000
Operating Pressure	<b>Constant 4000 Bar work 24 hours non stop</b>
Test Pressure Level	<b>5000 Bar</b>
Motor	55HP
Motor Speed	1500 Rpm - 50 Hz-60 Hz
High Pressure Flow Rate	2,3 – 3,0 Lt./min.
CNC Control Unit	SIEMENS PLC Touch Screen Control Unit
High Pressure Adjustment	Digitally Adjustable (1000-4000 bar, 500 bar step)
System safety message	<ul style="list-style-type: none"> <li>a) High Oil Temperature</li> <li>b) Low Oil Level</li> <li>c) Low Air Pressure</li> <li>d) Low Hydrophore Pressure (Water)</li> <li>e) Low Pump Pressure</li> </ul>
Hydraulic Pump	71Cm <sup>3</sup> (103 Lt.)



## MJT –WD6-6030 MAVIJET WATERJET CUTTING

Hydraulic Axial Piston Pump	Max. 200 Bar
Cooling Water Flow Rate	30 Lt. /min.
Optimum Water Inflow Pressure	4 Bar
Adjustable pressure water pump	10-16 Bar
External Dimension	H= 1220 mm W = 1040 mm L = 1830 mm
Orifice Diameters	0,14; 0,18; 0,23; 0,28; 0,35
Pump Warranty (Hydraulic and Electronic Assembly)	1 Year or 1000 Hour (Which one is expired first.)
<b>Registered by MAVIJET</b>	



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**ABRASIVE TANK**

Abrasive Tank	Max. 350 Kg.
Operating Pressure	6 Bars
Sand Dosing System	Adjustable From CNC Unit via Pasometer

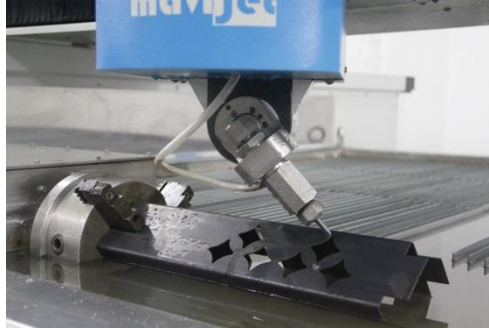


**SAND DOSING SYSTEM – CUTTING HEAD AND MIXING CHAMBER (Registered)**

Sand Flow Rate	80 – 600 gr/min.
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## MJT –WD6-6030 MAVIJET WATERJET CUTTING



**6 Axis Cutting Head**

<b>The Features of Cutting Water Quality</b>	
Water Pressure	4 Bar
Conductance	< 5 mikrosimens
PH	6,5 - 7,5
Heat	20° C
Turbidity	0
Sediment	0
Suspended Solid	0



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## MJT –WD6-6030 MAVIJET WATERJET CUTTING

Service Connections	Diameter of Pipe
Cutting water entry	1/2"
Cutting water exit	1/4" UNF
Air entry	Ø8 mm
Cooling water entry	3/4"
Cooling water exit	3/4"
Waste water	1/2"

MJT – 4000	CONSTANT 4000 BAR – 55HP – HIGH PREASURE WATERJET PUMP
WORKING TABLE SIZE	6000X3000x500 mm
ABRASIVE TANK	SMART ABRASIVE RESERVE TANK
SAND DOSING	MAVIJET SAND DOSING SYSTEM
CUTTING HEAD	MAVIJET CUTTING HEAD GROUP WITH MIXING CHAMBER
CAM	CAM PROGRAM WITH MANUAL NESTING



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