



mavijet[®]
WATERJET

MJT –W3-1010 MAVIJET WATERJET CUTTING



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WATERJET



AMTE

Herelsestraat 175, 4726 SR Heerle • T 0165 30 41 88 • F 0165 30 47 58 • E amtc@amtc.eu • I www.amtc.eu





HIGH PRESSURE WATERJET CUTTING SYSTEM (Registered)

Cutting size (mm.)	CNC - 3 Axis – Bridge Type 1000x1000x250	
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.	1.5 KW Servo Motor Set
Y Axis Motor	2 Pcs.	1.5 KW Servo Motor Set
Z Axis Motor	1 Pcs.	0.75 KW Servo Motor Set with brake
Transmission System	Helical Hardened Racks and Pinions	
Linear Bearing	Linear Slides and Rails	
Step Accuracy	0,01 mm	



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Rapid Traverse Speed	30.000 mm/min
Lubrication	Manual 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	Constant 4000 Bar work 24 hours non stop
Test Pressure Level	5500 Bar
Motor	50Hp
Motor Speed	1500 Rpm - 50 Hz-60 Hz
High Pressure Flow Rate	2,3 – 3,0 Lt./min.
High Pressure Adjustment	Digitally Adjustable (1000-4000 bar, 1000 bar step)
System safety message	<ul style="list-style-type: none"> a) High Oil Temperature b) Low Oil Level c) Low Air Pressure d) Low Hydrophore Pressure (Water) e) Low Pump Pressure
Hydraulic Pump	71Cm ³ (103 Lt.)
Hydraulic Axial Piston Pump	Max. 200 Bar



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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.)
Registered by MAVIJET	



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

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"



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