



mavijet[®]
WATERJET

MJT-WD6-4020 MAVIJET WATERJET CUTTING



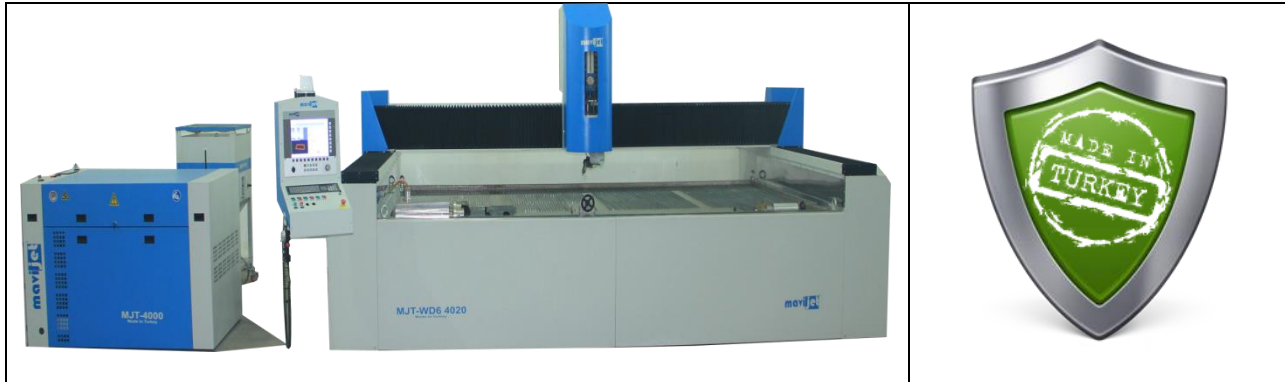
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WATERJET



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 - 6 Axis – Bridge Type 4000x2000x250 | |
| 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 |



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| | |
|----------------------|------------------------------------|
| Transmission System | Helical Hardened Racks and Pinions |
| 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 | Constant 4000 Bar work 24 hours non stop |
| Test Pressure Level | 5000 Bar |
| 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"> 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.) |



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| | |
|--|---|
| 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.) |
| Registered by MAVIJET | |






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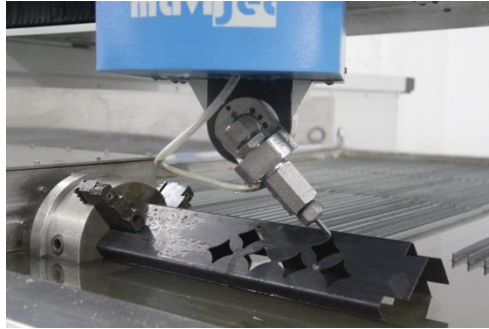


| | | |
|---|--|---|
|  | |  |
| ABRASIVE TANK | | |
| Abrasive Tank | Max. 350 Kg. | |
| Operating Pressure | 6 Bars | |
| Sand Dosing System | Adjustable From CNC Unit via Pasometer | |
| | | |

| | | |
|---|---|---|
|  |  |  |
| SAND DOSING SYSTEM – CUTTING HEAD AND MIXING CHAMBER (Registered) | | |
| Sand Flow Rate | 80 – 600 gr/min. | |



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6 Axis Cutting Head

| 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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| | |
|--------------------|--|
| MJT – 4000 | CONSTANT 4000 BAR – 55HP – HIGH PREASURE WATERJET PUMP |
| WORKING TABLE SIZE | 4000X2000x250 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 |
| CONTROLLER | ESA |



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