

# CNC WATERJET



CUTTING  
SOLUTIONS

**MIKON**  
MACHINERY

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## 3 AXIS CNC WATERJET



3 Axis CNC Waterjet can cut all kinds of materials existing in nature up to 200 mm thickness with power generated by mixing pressurized water and abrasive sand. All cutting materials can be made with the same nozzle. Not only for thick but also for thin materials, it can realize 90 degrees corners, narrow angular and small radius precise cuttings.



### **STANDARDS**

- High Pressure Waterjet Pump
- Cutting Head
- 3 Axis CNC Control Unit
- 3 Axis CAM Software (Semi-Auto Nesting)
- Extra Manual Hand-Wheel (X, Y, Z)
- Grease Lubrication System

### **OPTIONS**

- Abrasive Tank
- Sand Dosing System
- Chiller For Hydraulic Cooler
- Sludge Removal System
- Manual Tilting Head
- Water Softener
- Osmosis System for Purifying
- Double Intensifier Option on Pump
- Diamond Orifice

WxL	WxL
10'2"x5'3"	3100x1600mm
10'x6'7"	3000x 2000mm
13'2"x6'7"	4000x2000mm
19'8"x6'7"	6000x2000mm
19'8"x9'10"	6000x3000mm
39'5"x6'7"	12000x2000mm
39'5"x9'10"	12000x3000mm
39'5"x13'2"	12000x4000mm

# 5 AXIS 3D CNC WATERJET



## **STANDARDS**

- High Pressure Waterjet Pump
- Cutting Head
- 5 Axis CNC Control Unit
- 5 Axis CAM Software (Semi-Auto Nesting)
- Extra Manual Hand-Wheel (X, Y, Z)
- Grease Lubrication System

## **OPTIONS**

- Abrasive Tank
- Sand Dosing System
- Chiller For Hydraulic Cooler
- Sludge Removal System
- Manual Tilting Head
- Water Softener
- Osmosis System for Purifying
- Double Intensifier Option on Pump
- Diamond Orifice

Mikon 5 axis 3D cutting head provides superior sensitivity thanks to its very rigid structure and which is not being affected by the deflector force of the high-pressure coil. Mikon 5 axis 3D high- pressure water jet machine accuracy is -0,01mm by its strong and innovative design is possible to perform Bevel cutting with the A-Axis (vertical angle movement) and 3D parts with C-axis movement (rotation around the Z axis).

During cutting there it will be no burning effect on the edge hence the structure of the material will not be ruined. Therefore, pipelines, aviation, armor manufacturing and many other industries advantage of the most vulnerable groups in the process.

WxL	WxL
10'2"x5'3"	3100x1600mm
10'x6'7"	3000x 2000mm
13'2"x6'7"	4000x2000mm
19'8"x6'7"	6000x2000mm
19'8"x9'10"	6000x3000mm
39'5"x6'7"	12000x2000mm
39'5"x9'10"	12000x3000mm
39'5"x13'2"	12000x4000mm

# MJT-4000 BAR PUMP



## HIGH-PRESSURE WATERJET PUMP / MJT-4000

<b>Design Pressure</b>	4000bar / 58000PSI
<b>Motor</b>	Bosch Rexroth
<b>High Pressure Flow Rate</b>	4 Liter
<b>High Pressure Pump Motor</b>	50HP
<b>Motor Speed</b>	1500rpm-60Hz
<b>Safety Shut-Off Devices</b>	High Oil Temperature Low Oil Level Low Hydrophore Pressure Low Pump Pressure
<b>External Dimension</b>	L: 1830mm W: 1040mm H: 1220mm

# MJT-5000 BAR PUMP



## HIGH-PRESSURE WATERJET PUMP / MJT-5000

<b>Design Pressure</b>	5000bar / 72500PSI
<b>Motor</b>	Bosch Rexroth
<b>High Pressure Flow Rate</b>	7 Liter
<b>High Pressure Pump Motor</b>	75HP
<b>Motor Speed</b>	1500rpm-60Hz
<b>Safety Shut-Off Devices</b>	High Oil Temperature Low Oil Level Low Hydrophore Pressure Low Pump Pressure
<b>External Dimension</b>	L: 1830mm W: 1040mm H: 1230mm

# MJT-6000 BAR PUMP



## HIGH-PRESSURE WATERJET PUMP / MJT-6000

<b>Design Pressure</b>	6000bar / 87000PSI
<b>Motor</b>	Bosch Rexroth
<b>High Pressure Flow Rate</b>	9,5 Liter
<b>High Pressure Pump Motor</b>	100HP
<b>Motor Speed</b>	1500rpm-60Hz
<b>Safety Shut-Off Devices</b>	High Oil Temperature Low Oil Level Low Hydrophore Pressure Low Pump Pressure
<b>External Dimension</b>	L: 2160mm W: 1430mm H: 1350mm

# CNC WATERJET

