



## PRECISION ABRASIVE WATERJET SYSTEMS

### Equipment Specifications

# 2626|xp



## OMAX® 2626|xp JetMachining® Center

Ultra-precise abrasivejet machining: When you need ultimate precision with an abrasivejet.

The Model 2626|xp JetMachining Center is a 5-Axis programmable abrasive waterjet machining system that produces complex parts out of most materials directly from a CAD drawing or .DXF file.

All stainless steel construction (catcher tank, slats and slat holders) prevents rust contamination for medical applications.

# 2626|xp

### Standard Features

- Finer motor command resolution and error mapping.
- Stainless steel tank, stainless steel slats and stainless slat holders.
- The MAXJET™ 5 MiniJet offers minimal kerf width of .022" and an inside radius of .011" for fine detail work.
- Tilt-a-Jet™ automatically removes natural taper of the jet producing square edged parts with no additional user programming.
- Precision Optical Locator.
- Mounting points for EDM-style tooling.
- Industrial water resistant keyboard and mouse.
- OMAX Catcher Tank Cooler for thermal stability.
- P3055V Pump.
- 600 lb abrasive delivery system.
- Solids Removal System (SRS).
- Precision X-Y Axis rigidly mounted to the cutting table.
- Pre-loaded linear bearing and precision ball screws.
- Complete component protection against water, dirt, and grit.
- Rapid water level control for submerged cutting.

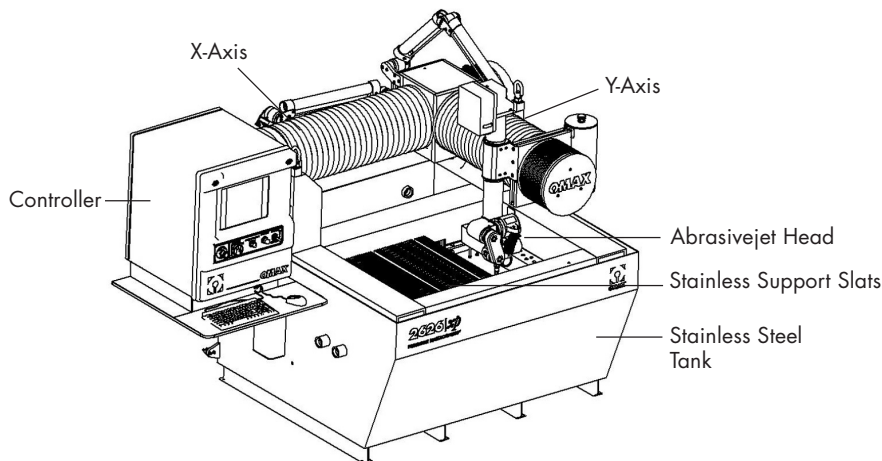
### Abrasivejet Benefits

- Machines a wide range of materials and thicknesses.
- Does not create heat affected zones or mechanical stresses.
- Rapid set-up, no tool changes are required.
- Minimal fixturing required.
- Leaves behind a satin smooth edge, reducing secondary operations.
- No noxious gases, liquids, or oils are used in (or caused by) the machining process.
- Completes most work below 80 dBA for submerged cutting.
- Patented "Compute First-Move Later" motion control system including CAD/CAM software with online help.

The OMAX Technology Guarantee entitles you, as the original owner, to free OMAX software upgrades for the life of the machine.



# OMAX 2626 | xp JetMachining Center



## Optional Accessories

- Waterjet Brick for cutting thin materials
- Splash Shield Kit
- Weir Tank
- Z- Axis Drill
- Manual Tilt X
- Terrain Follower
- MaxJet 5 Standard Nozzle

## Machine Dimensions

<b>Footprint</b>	72" x 116"	(1829 mm x 2946 mm)
<b>Weight</b>	3250 lb	(1600 kg)
<b>Height</b>	92"	(2340 mm)
<b>Operating Weight</b> (with water in tank)	7017 lb	(3190 kg)

## Work Envelope

<b>X-Y Cutting Area</b>	29" x 25"	(737 mm x 635 mm)
<b>Table Size</b>	46" x 31"	(1168 mm x 787 mm)

(Optional accessories may reduce travel.)

## Computer Control System

<b>Hardware</b>	Windows XP PC-based controller
<b>Control Software</b>	Integrated CAD/CAM system directly uses .DXF files

## Drive Description

- Closed loop, digital drives
- Brushless servo motors
- Pre-loaded ball screws, recirculating balls
- Linear bearings with hardened, precision ground ways
- Cantilever Y-Axis on bridge X-Axis

## Speed

- 90 inches per minute standard (2286 mm/min)

## Positioning Accuracy

<b>Ball Bar Circularity (Over 12")</b>	
<b>At Max. Traverse Velocity</b>	±0.001" (±0.025mm)

(Contingent on Environmental Requirements.)

## Environmental Requirements

- Room air temperature 70° (±2°) F maintained for 24 hours prior to and during operation
- Catcher tank water temperature 70° (±1°) F maintained through use of OMAX Catcher Tank Cooler
- Machine table must be level and maintain level when jogging machine through the entire travel
- No external mechanical or thermal load is allowed on any part of the machine table

## Electrical Requirements

- 3-Phase, 380-480 VAC ±10%, 50-60 Hz
- (Note: Contact OMAX for detailed utility requirements. Pumps are built to meet UL and CE specifications.)

## Pump

- 3055V Pump Package Standard
- (Note: You may require a chiller if your water temperature is in excess of 70°.)

## Noise Level

- Below 80 dBA for submerged cutting

Note: Specifications subject to change without notice.

## About OMAX

OMAX has the industry leading patented abrasivejet controller with a built-in expert system. The OMAX Software makes it easy to machine precision parts as fast as possible at the lowest cost.

JetMachining is ideal for short-run part production, just-in-time manufacturing, tooling, and prototype part development. It requires no tool changes or complex fixturing, so you can reduce set-up times by at least 50%.

For more information on what other OMAX products and accessories can do for you, call us today at 800-838-0343 or visit our website at [www.omax.com](http://www.omax.com).



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