



## OMAX 2626 JetMachining Center

The compact size and high accuracy of the 2626 JetMachining® Center makes it ideal for high precision waterjet machining, from research and development to small part prototyping and production. The 2626 utilizes the fast, efficient, and powerful Intelli-MAX® Software Suite to achieve superior performance while cutting complex parts out of most materials. With the optional Tilt-A-Jet® and 7/15 Mini MAXJET® nozzle, the 2626 is capable of precision miniature machining.

### FEATURES & BENEFITS

- Fastest cutting speeds and best precision compared to any abrasivejet in the industry and is backed by our exclusive Intelli-MAX® Software with real world cutting data
- Programmable Motorized Z-Axis with a precision MAXJET 5i Nozzle Assembly boosts cutting productivity and process efficiency
- Tilt-A-Jet taper compensating abrasivejet cutting head (available as an option)
- Precision X-Y Axis rigidly mounted to the cutting table
- Pre-loaded linear bearings and precision ball screws
- Low maintenance, high reliability scissor-style hard plumbing as an option
- Drive system sealed against water, dirt, and grit
- High efficiency Generation 4 EnduroMAX® pump systems available in 30, 40, or 50 hp with operating efficiencies up to 85%
- Robust and accurate design for tight tolerance cutting and reliable operation
- Rapid Water Level Control for quiet and clean submerged cutting
- Easy operator access to the work area
- Shipped as a completely pre-assembled and factory-tested system
- Machines a wide range of materials and thicknesses, from metals and composites to glass and plastics
- Does not create heat-affected zones or mechanical stresses
- No tool changes and minimal fixturing reduces setup by 50% or more
- No additional water required for pump cooling
- Small, efficient footprint for minimal floorspace utilization
- Leaves behind a satin-smooth edge, reducing secondary operations
- No noxious gases, liquids, or oils used in, or caused by, the machining process
- EnduroMAX pump technology delivers the highest nozzle horsepower in the industry for faster and more efficient cutting
- Completes most work below 80 dBA
- Environmentally "green" system with quiet and clean operation with low electrical consumption
- Highly robust and reliable pump design capable of over 1000 hours between maintenance
- Optional Variable Speed Solids Removal System (VS-SRS) designed for tough industrial use increases uptime through automated solids removal

## MACHINE DIMENSIONS

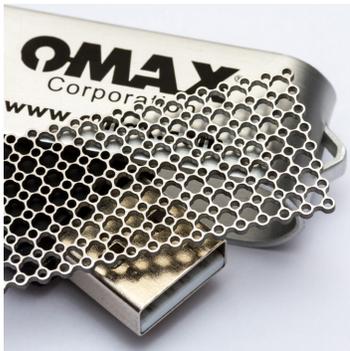
Footprint (with controller)	9' 8" x 6' 0" (2,946 mm x 1,829 mm)
Weight (tank empty)	3,000 lb (1,361 kg)
Height (with whip plumbing)	8' 4" (2,540 mm)
Operating Weight	6,517 lb (2,962 kg)

## WORK ENVELOPE

X-Y Cutting Travel*	2' 5" x 2' 2" (737 mm x 660 mm)
Z-Axis Travel (with Motorized Z Axis)*	8" (203 mm)
Table Size	3' 10" x 2' 7" (1,168 mm x 787 mm)

## DRIVE DESCRIPTION

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



## STANDARD MODEL SPECIFICATIONS

Material Support Slats	4" x 1/8" Galvanized Steel
Maximum Supported Material Load	400 lbs/sq ft (1,950 kg/sq meter)
Electrical Requirements	3-Phase, 380-480 VAC $\pm$ 10%, 50-60 Hz
Noise Level	Below 80 dBA at one meter for submerged cutting
Speed	180 in/min (4,572 mm/min)
Linear Positional Accuracy*	$\pm$ 0.001" ( $\pm$ 0.025 mm)
Repeatability*	$\pm$ 0.001" ( $\pm$ 0.025 mm)
Ballbar Circularity*	$\pm$ 0.003" ( $\pm$ 0.076 mm)

## OPTIONAL ACCESSORIES

- Tilt-A-Jet Cutting Head for taper compensation
- Variable Speed SRS (VS-SRS)
- Collision Sensing Terrain Follower
- OMAX Drill Head
- Precision Optical Locator (POL)
- Rotary Axis
- Laser Feature Finder
- Water-only MAXJET 5 for cutting soft materials
- OMAX Mini MAXJET 5i Nozzle Assembly
- Manual Tilt Z
- Laminar Filter
- Waterjet Brick Kit
- Catcher Tank Armor Plating
- Stainless Steel Tank Cover Kit
- Material Holding Kit

\*Optional accessories may reduce cutting travel. Photos may show optional accessories. For a complete list of accessories, contact an OMAX sales representative. Accuracy specifications are at 72° F (22° C) Pumps are built to meet UL and CE specifications. Contact OMAX for detailed utility requirements.

## ABOUT OMAX

OMAX is the global total solutions provider in advanced abrasive waterjet systems. Our intuitive Intelli-MAX Software Suite simplifies programming and reduces setup times, increasing your productivity. OMAX engineers continue to innovate technology for waterjet machining, from proven 4th generation pump designs to cutting edge drive systems with micron-level accuracy. With the largest abrasive waterjet support network in the world, OMAX continues to shape the future of waterjets.

To see how an OMAX JetMachining Center can save you time and money, call or visit our website and request a free part analysis today.

**ABRASIVE WATERJET**  
v.s. OTHER METHODS 

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