



## OMAX 2652 JetMachining Center

The original OMAX JetMachining® Center, the 2652 is a popular fixture in machine shops and fabrication facilities. The proven OMAX technology leads to efficient production through fast and accurate cutting of complex parts out of most materials. With the simple yet powerful Intelli-MAX® Software Suite and innovative optional accessories such as the Tilt-A-Jet®, the 2652 can quickly switch from near net blank shape cutting to high precision machining.

### FEATURES

- 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 OMAX MAXJET®5i Nozzle boosts productivity and process efficiency
- Optional Tilt-A-Jet taper eliminating abrasivejet cutting head
- Precision X-Y Axis rigidly mounted to the cutting table
- Pre-loaded linear bearings and precision ball screws
- Easy operator access to the work area
- Low maintenance, high reliability scissor-style hard plumbing
- 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 submerged cutting
- Optional Variable Speed Solids Removal System (VS-SRS) designed for industrial use increases uptime through automated solids removal
- Factory tested as a complete system before shipping

### BENEFITS

- Machines a wide range of materials and thicknesses, from metals and composites to glass and plastics
- Designed and manufactured at the OMAX factory in Kent, Washington, USA
- Does not create heat-affected zones or mechanical stresses
- No tool changes & minimal fixturing dramatically reduce setup
- Uses substantially less cooling water than inefficient hydraulic intensifier pumps
- Small, efficient footprint for minimal floor space utilization
- Lowest electrical consumption compared to other pump technology
- Leaves behind a satin-smooth edge, reducing secondary operations
- No noxious fumes, liquid 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 uses only natural garnet abrasive and water in the cutting process
- Highly robust and reliable pump design capable of over 1000 hours between maintenance

# 2652

## MACHINE DIMENSIONS

Footprint (with controller)	11' 7" x 5' 7" (3,531 mm x 1,702 mm)
Weight (tank empty)	3,320 lb (1,505 kg)
Height (with scissor plumbing)	7' 11" (2,413 mm)
Operating Weight	9,150 lb (4,150 kg)

## WORK ENVELOPE

X-Y Cutting Travel*	4' 4" x 2' 2" (1,321 mm x 660 mm)
Z-Axis Travel (with Motorized Z Axis)*	8" (203 mm)
Table Size	5' 9" x 2' 6" (1,753 mm x 762 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 (102 mm x 3 mm)	
Maximum Supported Material Load	400 lbs/sq ft (1,950 kg/sq meter)	
Electrical Requirements	3-Phase, 380-480 VAC ±10%, 50-60 Hz	
Noise Level	Below 80 dBA at one meter for submerged cutting	
Speed	180 in/min (4,572 mm/min)	
Accuracy of Motion at 70° F (Over 12")	Ballbar Circularity	±0.003" (±0.076 mm)
	Repeatability	±0.0013" (±0.033 mm)

## OPTIONAL ACCESSORIES

- Tilt-A-Jet Cutting Head for taper elimination
- Collision Sensing Terrain Follower
- Rotary Axis
- Precision Optical Locator (POL)
- 7/15 Mini MAXJET5 Nozzle
- OMAX Mini MAXJET 5i Nozzle
- Laminar Filter
- Waterjet Brick Kit
- Material Holding Kit
- Splash Shield Kit
- Air & Water Conditioning Kit
- Water Recycling System
- Intelli-VISOR FSP Monitoring Expansion Package
- Variable Speed Solids Removal System (VS-SRS)
- Z-Axis Pneumatic Drill
- Water-only MAXJET 5 Nozzle
- Manual Tilt Z-Axis
- Laser Feature Finder
- Bulk Abrasive Delivery Assembly Catcher Tank Armor Plating
- Stainless Steel Tank Cover Kit
- Extended Slat Package

\*Optional accessories may reduce travel. Photos may show optional accessories. For a complete list of accessories, contact an OMAX sales representative. 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 abrasive 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 a MAXIEM JetMachining Center can save you time and money, call or visit our website and request a free part analysis today.

**ABRASIVE WATERJET**  
vs. OTHER METHODS

[WWW.OMAX.COM/COMPARE](http://WWW.OMAX.COM/COMPARE)

CE Specifications subject to change without notice.  
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