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 & 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 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
- 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
- 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, 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 uses only natural garnet abrasive and water in the cutting process
- Highly robust and reliable pump design capable of over 1000 hours between maintenance
### MACHINE DIMENSIONS

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Measurement</th>
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</thead>
<tbody>
<tr>
<td>Footprint (standard layout)</td>
<td>12' 1&quot; x 6' 3&quot; (3.68 m x 1.91 m)</td>
</tr>
<tr>
<td>Weight (tank empty)</td>
<td>4,300 lb (1,950 kg)</td>
</tr>
<tr>
<td>Height (with standard plumbing)</td>
<td>8' 0&quot; (2.44 m)</td>
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<tr>
<td>Operating Weight</td>
<td>10,252 lb (4,650 kg)</td>
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### WORK ENVELOPE

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Measurement</th>
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<tbody>
<tr>
<td>X-Y Cutting Travel*</td>
<td>4' 4&quot; x 2' 2&quot; (1.32 m x 0.66 m)</td>
</tr>
<tr>
<td>Z-Axis Travel</td>
<td>8&quot; (203 mm)</td>
</tr>
<tr>
<td>Table Size</td>
<td>5' 9&quot; x 2' 6&quot; (1.75 m x 0.76 m)</td>
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### 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

<table>
<thead>
<tr>
<th>Specification</th>
<th>Measurement</th>
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<tbody>
<tr>
<td>Material Support Slats</td>
<td>4&quot; x 1/8&quot; Galvanized Steel (102 mm x 3 mm)</td>
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<tr>
<td>Maximum Supported Material Load</td>
<td>400 lbs/sq ft (1,953 kg/sq meter)</td>
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<tr>
<td>Electrical Requirements</td>
<td>3-Phase, 380-480 VAC ±10%, 50-60 Hz</td>
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<tr>
<td>Noise Level</td>
<td>Below 80 dBA at one meter for submerged cutting</td>
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<tr>
<td>Speed</td>
<td>180 in/min (4.57 m/min)</td>
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<tr>
<td>Linear Axis Accuracy*</td>
<td>±0.001&quot; (±0.025 mm)</td>
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<tr>
<td>Linear Axis Repeatability*</td>
<td>±0.001&quot; (±0.025 mm)</td>
</tr>
<tr>
<td>Ballbar Circularity*</td>
<td>±0.0025&quot; (±0.064 mm)</td>
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### 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
- 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.

### 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 an OMAX Jet Machining Center can save you time and money, call or visit our website and request a free part analysis today.

**UL 508A, CAN/CSA C22.2 No. 14, CAN/CSA C22.2 No. 73 ISO 9001:2015 Certified**

**WWW.OMAX.COM**

**OMAX CORPORATION**

21409 72nd Avenue South
Kent, WA 98032

**TEL** 1-253-872-2300 / 1-800-838-0343

**Made in the USA**