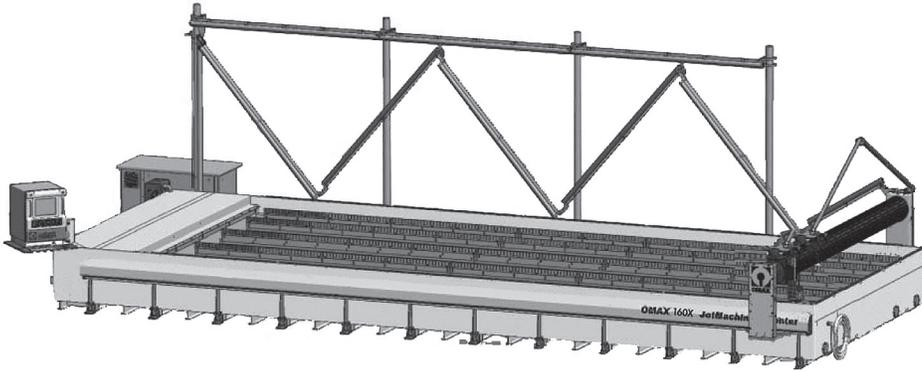




PRECISION ABRASIVE WATERJET SYSTEMS

Equipment Specifications
160X Series**OMAX® 160X JetMachining® Center*****Machine Dimensions**

Footprint (with controller) 35' 0" x 22' 6" (10,688 mm x 6,858 mm)

Work Envelope

X-Y Cutting Travel 26' 8" x 13' 4" (8,128 mm x 4,064 mm)
Table Size 28' 3" x 14' 9" (8,611 mm x 4,496 mm)

OMAX® 160X-1 JetMachining® Center***Machine Dimensions**

Footprint (with controller) 41' 8" x 22' 6" (12,700 mm x 6,858 mm)

Work Envelope

X-Y Cutting Travel 33' 4" x 13' 4" (10,160 mm x 4,064 mm)
Table Size 34' 11" x 14' 9" (10,643 mm x 4,496 mm)

OMAX® 160X-2 JetMachining® Center***Machine Dimensions**

Footprint (with controller) 48' 9" x 22' 6" (14,859 mm x 6,858 mm)

Work Envelope

X-Y Cutting Travel 40' 0" x 13' 4" (12,192 mm x 4,064 mm)
Table Size 41' 10" x 14' 9" (12,751 mm x 4,496 mm)

OMAX® 160X-3 JetMachining® Center***Machine Dimensions**

Footprint (with controller) 55' 0" x 22' 6" (16,764 mm x 6,858 mm)

Work Envelope

X-Y Cutting Travel 46' 8" x 13' 4" (14,224 mm x 4,064 mm)
Table Size 48' 6" x 14' 9" (14,783 mm x 4,496 mm)

Standard Features

- OMAX offers the highest 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 Assembly can boost cutting productivity and process efficiency
- DualBRIDGE option available for all models in this series to increase machining capacity
- Intelli-TRAX® linear drive technology completely enclosed inside covers on both the X and Y-axis
- Scissor-style hard plumbing
- Component protection increases flow rate, decreases pressure loss, and enhances cutting efficiency
- Highly efficient, engineer-proven EnduroMAX® pumps available in 30, 40, 50, 60, 70, 80, and 100 hp with pressures up to 60,000 psi
- Rapid Water Level Control for quiet and clean submerged cutting
- Bulk Abrasive Feed Assembly transports garnet from the assembly's large hopper into the small hopper located at the Z-axis
- Shipped pre-assembled and factory-tested

Abrasivejet Benefits

- Machines a wide range of materials and thicknesses
- Does not create heat-affected zones or mechanical stresses
- Rapid setup, no tool changes required
- Minimal fixturing required
- Leaves behind a satin-smooth edge, reducing secondary operations
- No noxious gases, liquids or oils used in (or caused by) the machining process
- Completes most work below 80 dBA at 1 meter for submerged cutting
- Environmentally "green" system with quiet and clean operation, low electrical and abrasive consumption



Connect and follow OMAX for the latest news in waterjet technology.



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

* Check with OMAX Sales for machine availability and up-to-date specifications.

160X Series

OMAX 160X Series JetMachining Centers

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) <i>(Optional accessories may reduce travel. Contact OMAX for information.)</i>	
Electrical Requirements	3-Phase, 380-480 VAC \pm 10%, 50-60 Hz <i>(Note: Contact OMAX for detailed utility requirements. Pumps are built to meet UL and CE specifications.)</i>	
Noise Level	Below 80 dBA at 1 meter for submerged cutting	
Accuracy of Motion at 70° F		
Ballbar Circularity (Over 12")		
At 180 inches per minute (4,572 mm/m)	\pm 0.005"	(\pm 0.127 mm)
Repeatability	\pm 0.002"	(\pm 0.051 mm)
Squareness	0.002" per ft	(0.17 mm/m)
Straightness	0.003" per ft	(0.25 mm/m)
Backlash	0.0007" maximum	(0.018 mm)
Patent Pending Drive Description		
<ul style="list-style-type: none"> • Closed loop, digital drives • Brushless servo motors • Motor controlled precision Z-axis • Intelli-TRAX linear drive technology in X and Y-axis 		

Options

- EnduroMAX Direct Drive Pump P3060V, P4060V, or P5060V
- DualPUMP Package (dual EnduroMAX option)
- Tilt-A-Jet® Cutting Head for ultra-high precision taper compensation
- Variable Speed SRS (VS-SRS)
- Collision Sensing Terrain Follower (CSTF) with a Tilt-A-Jet only
- Z-axis Drill
- Precision Optical Locator (POL)
- Water-only MAXJET 5 for cutting soft materials
- OMAX MAXJET 5i MiniJet Nozzle Assembly
- Second MAXJET 5i with Motorized Z-Axis and all necessary hard plumbing (requires second Y-axis carriage)
- Manual Tilt Z
- Stone Cutting Kit
- Weir Tank
- Waterjet Brick Kit
- Catcher Tank Armor Plating
- Air & Water Conditioning Kit
- A-Jet®
- Terrain Follower/A-Jet
- Material Holding Kit
- Laser Feature Finder

For a complete list of accessories, contact an OMAX Sales Representative.

About OMAX

OMAX is the leader in designing and manufacturing precision abrasive waterjet machining equipment. For more information on what other OMAX products and accessories can do for you, call us today.



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* Check with OMAX Sales for machine availability and up-to-date specifications.

Note: Specifications subject to change without notice. Check for the latest version at www.omax.com.