

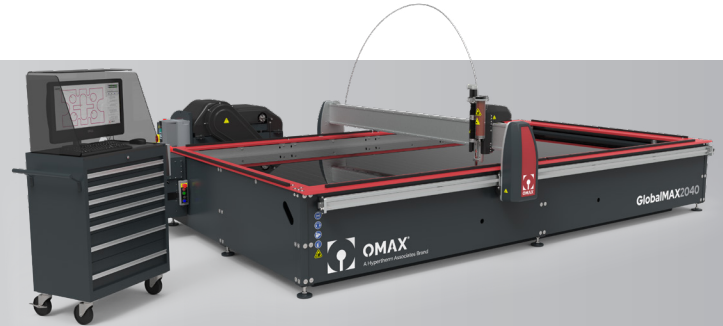


**OMAX®**

A Hypertherm Associates Brand

# GlobalMAX 2040

## JetMachining Center



Essential, easy to use and powerful, GlobalMAX® is ideal for the facility looking to add basic waterjet cutting capabilities. The robust and straightforward design delivers dependable performance and easy serviceability to provide maximum uptime. The GlobalMAX JetMachining Center® was developed, tested, and built in keeping with the OMAX philosophy of performance, reliability, and ease of use. The GlobalMAX product line is manufactured and assembled at the OMAX facility in Kent, Washington.

### GlobalMAX direct drive pump innovation

Our direct drive pumps efficiently deliver horsepower (cutting power) to the machine nozzle. Designed to operate 500 hours between maintenance cycles, the GlobalMAX pump provides dependable performance. GlobalMAX pumps are available in 10, 20 and 30 horsepower configurations.

### Innovative Omega Drive System

The innovative Omega Drive system provides smoother transition from rotary motion to linear motion compared to traditional rack and pinion drive systems. The Omega Drive tooth engagement minimizes backlash and improves reliability and requires no lubrication which can attract and retain garnet. The lubricant-free zero maintenance Omega Drive system features closed loop, brushless servo motors and anodized drive system components for long life.

### Available accessories

- Terrain Follower automatically adjusts to accommodate uneven part surfaces.
- Pneumatic drill
- Laser Feature Finder
- Bulk Abrasive Feed Hopper
- Air & Water Spray Down Kit

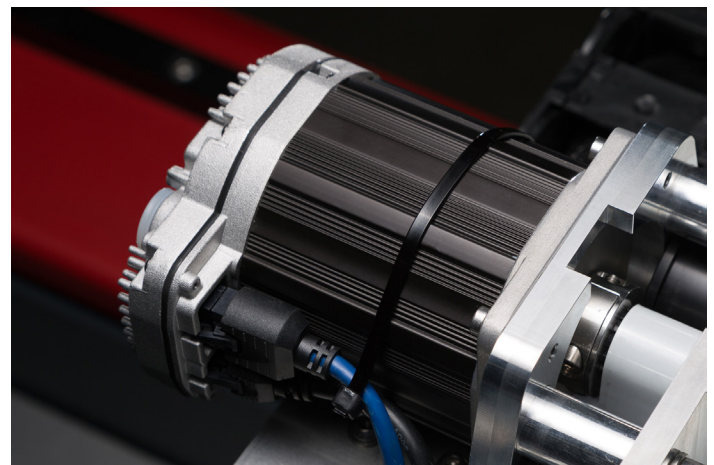
### Specifications

Machine dimensions	
Footprint (standard layout)	15' 11" x 13' 5" (4.85 m x 4.09 m)
Weight (tank empty)	5,887 lbs (2,670 kg)
Height	9' 3" (2.82 m)
Operating weight	18,421 lbs (8,356 kg)

Work envelope	
X-Y cutting travel*	13' 3" x 6' 8" (4.03 m x 2.03 m)
Z-Axis travel (with motorized Z-Axis)*	5" (127 mm)
Table size	13' 7" x 7' 2" (4.14 m x 2.18 m)

Standard model specifications	
Material support slats	2.5" x 9 gauge (63.5 mm x 3.7 mm) galvanized steel
Maximum supported material load	100 lbs/sq ft (488 kg/sq meter)
Electrical requirements	3-Phase, 380-480 VAC $\pm 10\%$ , 50-60 Hz
Speed	500 in/min (12.70 m/min)
Linear axis accuracy*	$\pm 0.003"$ ( $\pm 0.076$ mm)
Linear axis repeatability*	$\pm 0.001"$ ( $\pm 0.025$ mm)
Ballbar circularity*	$\pm 0.007"$ ( $\pm 0.127$ mm)

\*Optional accessories may reduce cutting travel. Accuracy specifications are at 72° F (22° C).



## IntelliMAX Software Advantage

The IntelliMAX® Software Suite includes LAYOUT, a full-featured CAD design program and MAKE, the highly powerful machine controller software.

- Ease of use: with LAYOUT, the user, whether a novice or an expert, can quickly and easily create a part file. With one click, that part file can be converted into a tool path that is ready for machining.
- Built-in intelligence: In MAKE, detailed reporting provides highly precise estimates on cut times, allowing for accurate job costing.

## Designed for your needs

Whether you need a small-sized machine for rapid prototyping, or a large system capable of working with standard sheet and plate sizes for full-scale production, the GlobalMAX line offers options for both. Regardless of system size, every GlobalMAX machine brings the same great performance and high reliability, maximizing your potential.



## World-class service, support and innovation for advanced abrasive waterjet systems

OMAX, part of Hypertherm Associates, sets the standard for service and support in the waterjet machine tool industry. It starts with a rigorous certification program at OMAX in Kent, Washington where OMAX direct and distributor technicians are trained to install, operate and maintain OMAX abrasive waterjet systems. 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. Customers have a number of contact options to suit their schedules and needs, including an extensive library of online resources. With the largest abrasive waterjet support network in the world, OMAX continues to shape the future of waterjets.

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



For more information, visit: [www.omas.com](http://www.omas.com)

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