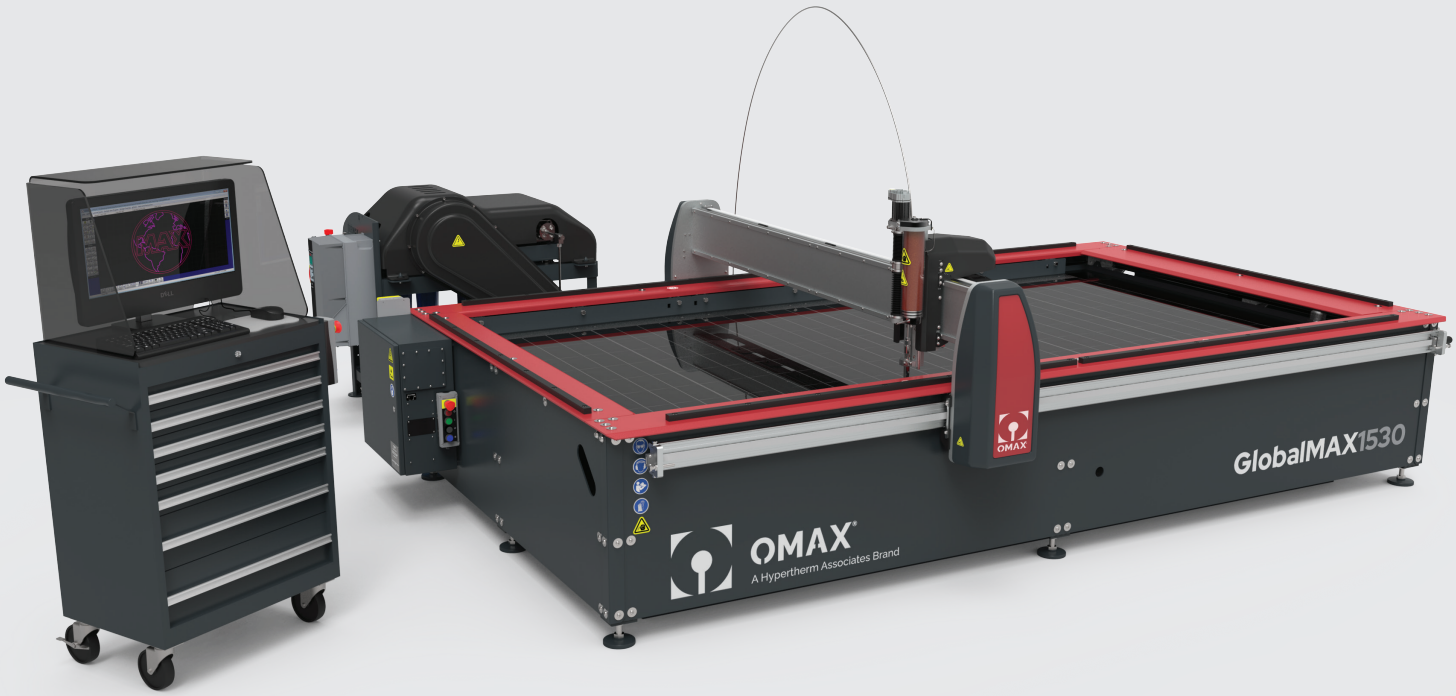
OMAX®
A Hypertherm Associates Brand

GlobalMAX JetMachining centers



High performance abrasive waterjet cutting

The OMAX GlobalMAX® is ideal for the facility looking to add basic waterjet cutting capabilities to their production. The robust and straightforward GlobalMAX design delivers:

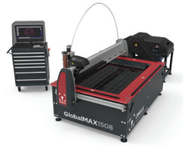
- Dependable performance based on decades of OMAX abrasive waterjet expertise
- Easy serviceability through product design that maximizes system access
- Maximum uptime with robust and long-lasting system components
- Easy-to-use IntelliMAX® Software Suite simplifies operation while maximizing production

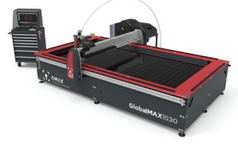
A system designed for your needs

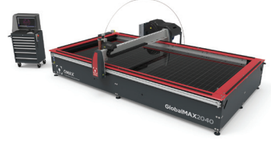
Whether you need a small-sized machine for rapid prototyping, or a large system capable of working with standard sheet and plate sizes for full-scale production, the GlobalMAX line offers options for both. Regardless of system size, every GlobalMAX machine brings the same great performance and high reliability,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

GlobalMAX model specifications

Family Specs	
X-Y Speed	500 ipm
Linear axis accuracy	0.003"
Linear axis repeatability	0.001"
Ballbar circularity	0.007"

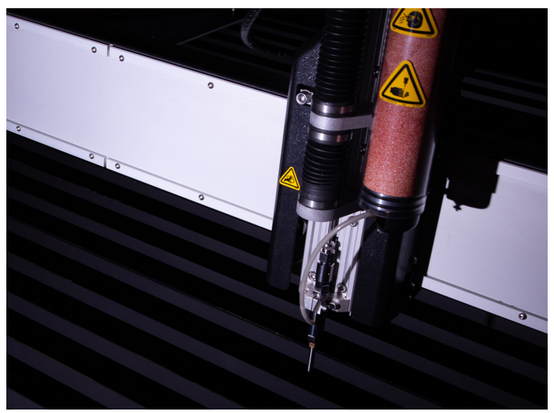






GlobalMAX machine specifications

	GlobalMAX 1508	GlobalMAX 1530	GlobalMAX 2040
Standard Layout Footprint	5' 3" x 11' 8"	12' 8" x 11' 7"	15' 11" x 13' 5"
Weight (tank empty)	3,280 lb	4,824 lb	5,887 lb
Height	7' 2"	9 '0"	9' 3"
Operating Weight	5,400 lb	12,093 lb	18,421 lb
X-Y Cutting travel	2' 7" x 5' 0"	10' 0" x 5' 0"	13' 3" x 6' 8"
Z-Axis travel	5"	5"	5"
Table size	2' 10" x 5' 5"	10' 2" x 5' 5"	13' 7" x 7' 2"



Available accessories*

- Terrain follower
- Pneumatic drill
- Laser feature finder
- Air and water spray down kit
- Bulk feed hopper

*Optional accessories may reduce travel. Photos may show optional accessories. For a complete list of available accessories, contact an OMAX sales representative. Contact OMAX for detailed utility requirements.

IntelliMAX software advantages

For decades, we have invested in extensive research and development to provide the most advanced abrasive waterjet software possible. Through software enhancements, your GlobalMAX JetMachining Center is capable of advanced machining in virtually any material, from aluminum and steel to carbon fiber, titanium, copper, glass, composites, and more.

The IntelliMAX Software Suite includes:

- LAYOUT, a full-featured CAD design program
- MAKE, the highly powerful machine controller software

The IntelliMAX Software Suite offers:

- 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.

GlobalMAX direct drive pumps

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. Pumps are available in 10, 20 and 30 horsepower.

GlobalMAX direct drive pump specifications

	GlobalMAX 10	GlobalMAX 20	GlobalMAX 30
Pressure	30,000 psi	45,000 psi	45,000 psi
Motor power	10 hp	20 hp	30 hp
Jet power*	7 hp	17 hp	25.5 hp
Orifice & flow rate	0.011"/0.40 gpm	0.012"/0.62 gpm	0.015"/0.96 gpm

*Jet power is directly proportional to the water pressure at the nozzle times the volume flow rate of the waterjet stream.

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.

SHAPING POSSIBILITY®

PLASMA | LASER | WATERJET | AUTOMATION | SOFTWARE | CONSUMABLES

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

For more information, visit: www.omax.com

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