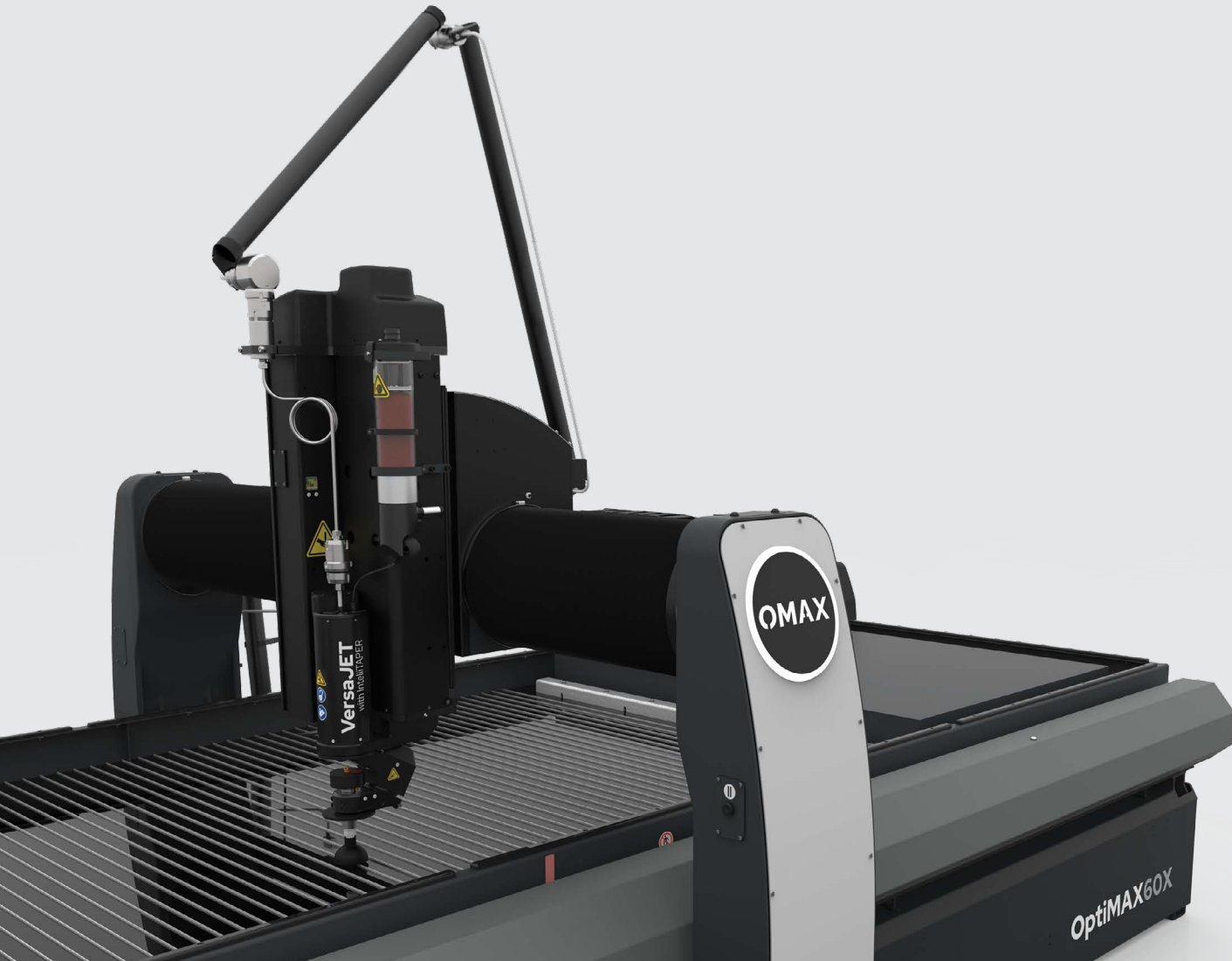




OMAX®

A Hypertherm Associates Brand

OptiMAX JetMachining Centers



Maximum performance, maximum productivity

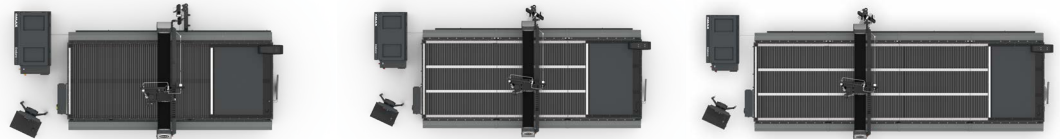
The OMAX OptiMAX® is the culmination of three decades of engineering expertise and experience, resulting in the world's most accurate waterjet designed for maximum uptime in any manufacturing environment. The OptiMAX jet machine center includes:

- IntelliTRAX®, the high precision traction drive technology designed exclusively for the abrasive waterjet environment for maximum accuracy and minimal maintenance.
- IntelliMAX® software that enhances automation capabilities with direct control of the advanced 5-Series EnduroMAX® pump, rapid auto-homing of the waterjet and more.
- EnduroMAX pump with a simple yet robust design that is specifically engineered to simplify maintenance through innovative features while maximizing nozzle horsepower.

The power of the IntelliMAX software and OptiMAX innovation results in more uptime, expanding the possibilities of the OptiMAX.

OptiMAX model specifications

Family Specs	
X-Y Speed	8890 mm/min. (350 ipm)
Linear positional accuracy	0.025 mm (0.001")
Repeatability	0.025 mm (0.001")
Ballbar circularity	0.0635 mm (0.0025")



OptiMAX machine specifications

Dimensions	60X	80X	80X-1
Standard layout footprint*	6.9 m x 3.6 m (22' 8" x 11' 11")	7.9 m x 3.9 m (26' 0" x 12' 11")	9.9 m x 3.9 m (32' 8" x 12' 11")
Weight (tank empty)	3856 kg (8,500 lb.)	4151 kg (9,150 lb.)	5638 kg (12,430 lb.)
Height (with scissor plumbing)	3 m (9' 9")	3.1 m (10' 0")	3.1 m (10' 0")
Operating weight	16383 kg (36,118 lb.)	22487 kg (49,575 lb.)	29892 kg (65,900 lb.)
X-Y Cutting travel*	3.3 m x 1.6 m (10' 10" x 5' 2")	4.3 m x 2 m (14' 0" x 6' 8")	6.3 m x 2 m (20' 8" x 6' 8")
Z-Axis travel*	305 mm (12")	305 mm (12")	305 mm (12")
Table size	5.6 m x 3.6 m (18' 4" x 11' 11")	6.6 m x 3.9 m (21' 7" x 12' 11")	8.6 m x 3.9 m (28' 4" x 12' 11")

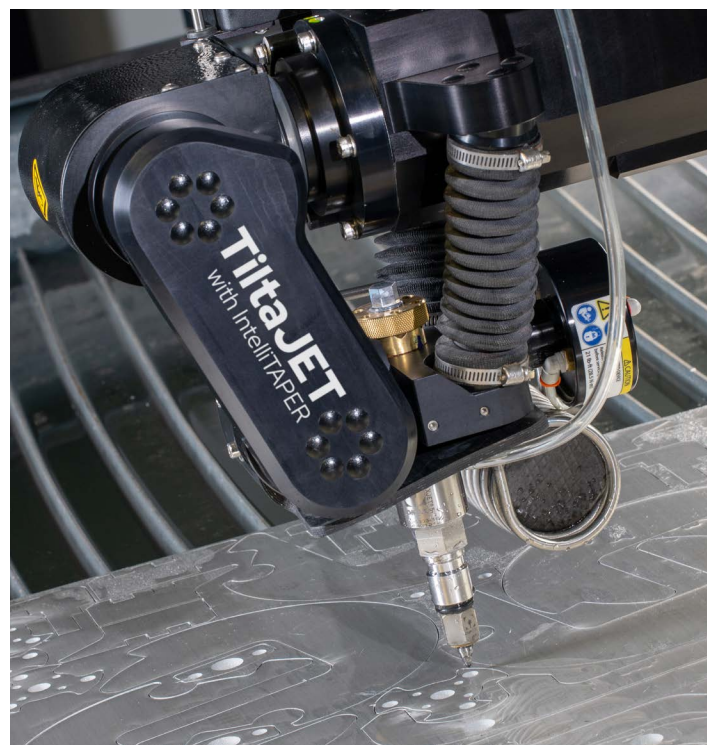
*Optional accessories may reduce cutting travel. Standard Layout Footprint includes table and pump in an optimal layout configuration. Photos may show optional accessories. For a complete list of accessories, contact an OMAX sales representative. Accuracy specifications are at 22° C (72° F). Pumps are built to meet UL and CE specifications. Contact OMAX for detailed utility requirements. Specifications subject to change without notice.



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

Customizable with accessories

State of the art accessory options configure the OptiMAX to perform your jobs, your way. Customize your waterjet with options to enhance productivity such as multi-axis cutting, automated garnet removal, secondary operations assistance, water recycling, and more.



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 OptiMAX JetMachining Center is capable of advanced 5-axis 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
- IntelliVISOR®, the comprehensive system monitoring package

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.
 - Included with the IntelliVISOR system monitoring application, the operator can set up detailed maintenance reminders that minimize downtime and maximize production.
 - Advanced notification features send alerts to email or a smartphone, keeping the operator aware of the machine operation at all times.



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



For more information, visit: www.omax.com

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Please visit www.omax.com/patents for more details about OMAX patent numbers and types.

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Environmental stewardship is one of Hypertherm Associates' core values. www.hyperthermassociates.com/environment

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