

MAXIEM JetMachining Centers



High performance abrasive waterjet cutting

Fast, smooth, and accurate, the MAXIEM[®] JetMachining[®] Center is ideal for the ambitious shop where new challenges are a permanent driving force. The MAXIEM waterjet system was developed, tested, and built in keeping with OMAX technology standards to deliver:

- Superior performance with its innovative IntelliTRAX[®] drive system
- Expanded versatility with multi-axis cutting head options
- High productivity with powerful and durable OMAX direct drive pumps
- Affordable price point across the entire MAXIEM product line
- Customized options to tailor your MAXIEM system for your specific needs
- Easy-to-use IntelliMAX[®] Software Suite simplifies operation while maximizing production

However you customize your MAXIEM, remember that there are no limits to its potential.

A system designed for your needs

Whether you need a small machine for rapid prototyping, or a large system capable of working with standard sheet and plate sizes for full-scale production, the MAXIEM JetMachining Center is customizable to fit your needs. Regardless of system size, every MAXIEM machine brings the same great performance and high reliability, maximizing your potential.

MAXIEM model specifications

Family Specs	
X-Y Speed	12,70 m/min
Linear axis accuracy	0,076 mm
Linear axis repeatability	0,025 mm
Ballbar circularity	0,127 mm



Machine Specs	1515	1530	2030
Standard Layout Footprint	4,04 m x 3,78 m	5,61 m x 4,14 m	5,49 m x 4,01 m
Weight (tank empty)	2,722 kg	3,175 kg	3,402 kg
Height	2,95 m	3,20 m	2,69 m
Operating Weight	6,402 kg	9,067 kg	10,629 kg
X-Y Cutting travel	1,57 m x 1,57 m	3,04 m x 1,57 m	3,04 m x 2,00 m
Z-Axis travel	304 mm	304 mm	304 mm
Table size	2,24 m x 1,73 m	3,71 m x 1,73 m	3,71 m x 2,13 m

NOTE: For larger table sizes, ask an OMAX sales representative for optional dimensions available in a model series. Optional accessories may reduce travel. Check with OMAX Sales for availability.

Available accessories*

- A-Jet® 5-Axis cutting head with smart taper control
- Rapid water level control for submerged cutting
- IntelliMAX Premium software
- Additional seats of IntelliMAX Software Suite
- Bulk abrasive delivery assembly
- Terrain follower for A-Jet
- Collision sensing terrain follower
- High-pressure universal swivel plumbing
- Variable speed solids removal system (VS-SRS)
- Laser feature finder
- Z-Axis pneumatic drill
- Access control circuit interface for safety interlocks
- Laminar filter
- Water recycling system



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

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 MAXIEM 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 (available with the IntelliMAX Premium upgrade)

The IntelliMAX Software Suite benefits:

- 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 IntelliMAX Premium upgrade, the IntelliVISOR system monitoring application lets the operator 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.



2040	2060	2080	3060
6,63 m x 3,94 m	8,76 m x 3,94 m	10,69 m x 3,94 m	8,69 m x 5,03 m
3,856 kg	4,763 kg	5,806 kg	11,793 kg
2,69 m	2,69 m	3,15 m	2,69 m
12,829 kg	17,941 kg	22,735 kg	31,799 k
4,21 m x 2,00 m	6,24 m x 2,00 m	8,28 m x 2,00 m	6,24 m x 3,09 m
304 mm	304 mm	304 mm	304 mm
4,90 m x 2,13 m	6,93 m x 2,13 m	8,48 m x 2,13 m	6,93 m x 3,25 m



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.omas.com

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