

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 the OMAX philosophy to deliver superior performance, expanded versatility, and high productivity at an affordable price. Your MAXIEM can become even more individual thanks to a diverse selection of options, yet remains easy to use for any level of operator. However you customize your MAXIEM, remember that there are no limits to its potential.

INTELLI-MAX SOFTWARE ADVANTAGE

For over 20 years, OMAX® has invested 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 Intelli-MAX® Software Suite includes LAYOUT, a full-featured CAD design program, MAKE, the highly powerful machine controller software, and Intelli-VISOR®, the comprehensive system monitoring package.

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

With the free Intelli-VISOR SE system monitoring application, the operator can set up detailed maintenance reminders that minimize downtime and maximize production. Advanced notification features send alerts to e-mail or a smartphone,* keeping the operator aware of the machine operation at all times.

AVAILABLE ACCESSORIES

- A-Jet® 5-Axis Cutting Head with Smart Taper Control
- Rapid Water Level Control for submerged cutting
- Intelli-VISOR EX Monitoring Expansion Package
- OMAX Mini MAXJET 5i Nozzle
- 7/15 Mini MAXJET 5 Nozzle
- Bulk Abrasive Delivery Assembly
- Terrain Follower/A-Jet
- Collision Sensing Terrain Follower
- Manual Tilt Z-Axis
- Material Holding Kit
- High Pressure Universal Plumbing
- Bridge-mounted Pause Button and USB Port
- Additional Seats of Intelli-MAX Software Suite
- Variable Speed Solids Removal System (VS-SRS)
- Water-only MAXJET® 5 Nozzle
- Laser Feature Finder
- Z-Axis Pneumatic Drill
- Splash Shield Kit
- Water Resistant Keyboard and Mouse
- Access Control Circuit Interface for safety interlocks
- Catcher Tank Armor Plating
- Extended Slat Package
- Laminar Filter
- Air and Water Conditioning Kit
- Water Recycling System
- Waterjet Brick Kit

*Optional accessories may reduce travel. Photos may show optional accessories. For a complete list of available accessories, contact an OMAX sales representative. E-mail and smartphone Intelli-VISOR notifications require internet access. Contact OMAX for detailed utility requirements.



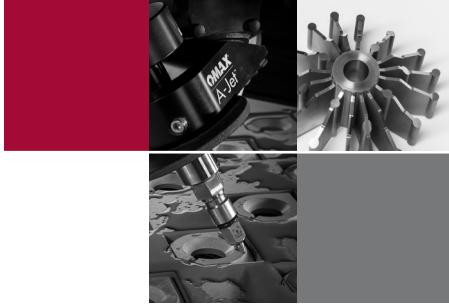
MAXIEM
BUILT BY OMAX

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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 0707	MAXIEM 1515	MAXIEM 1530	MAXIEM 2030
MACHINE FOOTPRINT:	6'7" x 8'3" (2.007 m x 2.515 m)	9'3" x 10'10" (2.819 m x 3.302 m)	14'1" x 10'10" (4.293 m x 3.302 m)	14'1" x 12'2" (4.293 m x 3.696 m)
X-Y CUTTING TRAVEL:	2'7" x 2'6" (794 mm x 775 mm)	5'2" x 5'2" (1,575 mm x 1,575 mm)	10'0" x 5'2" (3,061 mm x 1,575 mm)	10'0" x 6'7" (3,061 mm x 2,019 mm)
LINEAR POSITIONAL ACCURACY:	±0.002" (±0.051 mm)	±0.002" (±0.051 mm)	±0.002" (±0.051 mm)	±0.002" (±0.051 mm)
BALLBAR CIRCULARITY:	±0.005" (±0.127 mm)	±0.005" (±0.127 mm)	±0.005" (±0.127 mm)	±0.005" (±0.127 mm)
REPEATABILITY:	±0.001" (±0.025 mm)	±0.001" (±0.025 mm)	±0.001" (±0.025 mm)	±0.001" (±0.025 mm)



	MAXIEM 2040	MAXIEM 2060	MAXIEM 2080	MAXIEM 3060
MACHINE FOOTPRINT:	18'0" x 12'2" (5.486 m x 3.696 m)	24'6" x 12'2" (7.468 m x 3.696 m)	31'3" x 12'2" (9.525 m x 3.696 m)	24'6" x 15'8" (7.468 m x 4.775 m)
X-Y CUTTING TRAVEL:	13'10" x 6'7" (4,216 mm x 2,019 mm)	20'6" x 6'7" (6,248 mm x 2,019 mm)	27'2" x 6'7" (8,280 mm x 2,019 mm)	20'6" x 10'2" (6,248 mm x 3,092 mm)
LINEAR POSITIONAL ACCURACY:	±0.002" (±0.051 mm)	±0.002" (±0.051 mm)	±0.002" (±0.051 mm)	±0.002" (±0.051 mm)
BALLBAR CIRCULARITY:	±0.005" (±0.127 mm)	±0.005" (±0.127 mm)	±0.005" (±0.127 mm)	±0.005" (±0.127 mm)
REPEATABILITY:	±0.001" (±0.025 mm)	±0.001" (±0.025 mm)	±0.001" (±0.025 mm)	±0.001" (±0.025 mm)

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.

MAXIEM DIRECT DRIVE PUMPS

	MOTOR POWER	JET POWER*
M20	20 HP (15 kW)	17 HP (12.5 kW)
M30	30 HP (22 kW)	25.5 HP (19 kW)
M40	40 HP (30 kW)	34 HP (25 kW)

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

ABOUT OMAX

OMAX is the global total solutions provider in advanced abrasive waterjet systems. Our intuitive Intelli-MAX Software Suite simplifies programming and reduces setup times, increasing your productivity. 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. With the largest abrasive waterjet support network in the world, OMAX continues to shape the future of waterjets.

To see how a MAXIEM JetMachining Center can save you time and money, call or visit our website and request a free part analysis today.



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

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