



OMAX[®]
A Hypertherm Associates Brand

ProtoMAX



True Waterjet Performance in a Compact Package

Designed and built alongside the revolutionary OMAX waterjets, The ProtoMAX is a compact, self-contained cutting system ideally suited for prototyping and low-volume cutting of almost any material approximately 1" thick. Bringing all the versatility benefits of large abrasive waterjet cutters together in a sleek and economic package, this machine is ideal for prototyping or as a complement to a larger machine shop.

ProtoMAX model specifications

Machine dimensions	
Footprint	1054 mm x 1004 mm (41.5 in x 39.5 in)
Weight (tank empty)	250 kg. (550 lb)
Height (lid closed)	1435 mm (56.5 in)
Height (lid open)	1854 mm (73.0 in)
Operating weight (with water in tank)	340 kg (750 lb)
Standard model specifications	
Maximum supported material load	244 kg/sq m (50 lbs/sq ft)
Electrical requirements	230-240 VAC, single phase, 30A, 50/60 Hz
Speed	2540 mm/min. (100 ipm)
Linear positional accuracy	0.127 mm (0.005")
Repeatability	0.076 mm (0.003")
Work envelope	
X-Y cutting travel	304 mm x 304 mm (12.0 in x 12.0 in)
Z-axis travel	25 mm (1.0 in)
Table size	368 mm x 393 mm (14.5 in x 15.25 in)
Pump description	
Pump horsepower	3.7 kW (5 hp)
Output pressure	2068 bar (30000 psi)
Orifice and flow rate ¹	0.2 mm / 0.95 lpm (0.008 in / 0.25 gpm)



ProtoMAX package options

ProtoMAX Standard System

The Standard System includes the ProtoMAX abrasive waterjet system, complete with the table, pump, laptop with pre-installed software, and everything needed to start abrasive waterjet cutting after initial installation. The ProtoMAX Standard System includes:

- ProtoMAX abrasive waterjet cutting table
- Nozzle Assembly (nozzle body, mixing tube, filter, & jewel orifice)
- Unlimited Seats of Software
- ProtoMAX Garnet Abrasive (55lb bucket)
- Shipping to Continental US (Not including Alaska & Hawaii)²
- ProtoMAX 30,000 psi 5 HP Direct Drive Pump
- Laptop with IntelliMAX Proto Software Pre-Installed
- Free Software Upgrades For Life
- One Year Warranty



Upgrade Package

The Upgrade Package adds additional consumables, along with a powered Drain Water Filter Tank that helps filter excess material and garnet from the tank water. Also included is the Water Spray Kit, which helps keep the cutting area interior clean. The Upgrade Package includes:

- ProtoMAX Standard System
- System Spare Parts Kit (tank slats, mixing tubes, nozzle filters, and jewel orifices)
- Drain Water Filter Tank (DWFT)³
- Water Spray Kit (spray nozzle and hose)

¹ Recommended maximum orifice size. Smaller orifice sizes have a corresponding lower flow rate.

² For Alaska, Hawaii, and international shipments, contact info@protomax.com.

³ The Drain Water Filter Tank (DWFT) requires a separate 120VAC power source.

Power Package

Expand your ProtoMAX with Upgrade Package by adding the Power Package. The Power Package adds to the Upgrade Package by having six extra buckets of garnet at a bundled price to keep you cutting for hours on end. The Power Package includes:

- ProtoMAX Standard System
- Upgrade Package
- ProtoMAX Garnet Abrasive (six 55lb buckets)



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.omas.com

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