



OMAX[®]

A Hypertherm Associates Brand

DynaMAX intensifier technology



The right tool for the right job

By rethinking the way the intensifier pump works, we were able to make the DynaMAX[®] with Advanced Intensifier Technology (AIT) work harder and last longer. The DynaMAX delivers:

- Significantly reduced service time through streamlined access and simpler design
- Optimum cut quality and pump performance because of smooth, reliable shifting
- Maximized uptime due to intuitive software package
- Simplified maintenance thanks to service-friendly design
- Faster routine service and quicker evaluation due to innovative valve design

All this combined makes DynaMAX the most cost effective intensifier pump in the world.

Small footprint, large performance

DynaMAX 3-series pumps:

- Eliminate soft static, high-pressure seals, increasing intensifier robustness
- Enable rapid replacement of common consumables by incorporating industry-leading cartridge seal design
- Provide consistent cut quality and optimum cutting speeds due to a closed-loop proportional pressure control system that adjusts for ambient pressure and temperature, oil viscosity and hydraulic system wear
- Offer reduced footprint design



DynaMAX machine specifications

	DynaMAX 315	DynaMAX 330
Motor power	15 hp	30 hp
Maximum jet power ¹	0.3 hp	20.6 hp
Output pressure	60,000 psi	60,000 psi
Orifice and flow rate ²	0.007"/0.3 gpm	0.011"/0.6 gpm

¹ JetPower is directly proportional to the water pressure at the nozzle times the volume flow rate of the waterjet stream.

² Recommended maximum orifice size. Smaller orifice sizes have a corresponding lower flow rate.

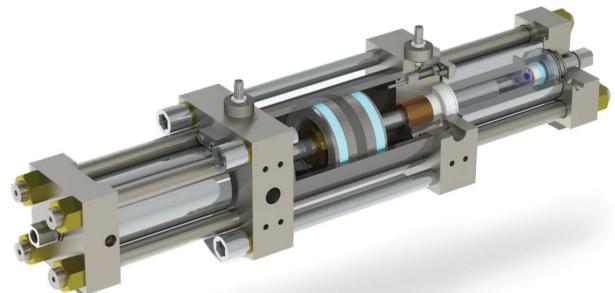
³ DynaMAX 575P and DynaMAX 5100 are only available on OMAX JetMachining Centers. Not available on the OMAX 2626 JetMachining Center.

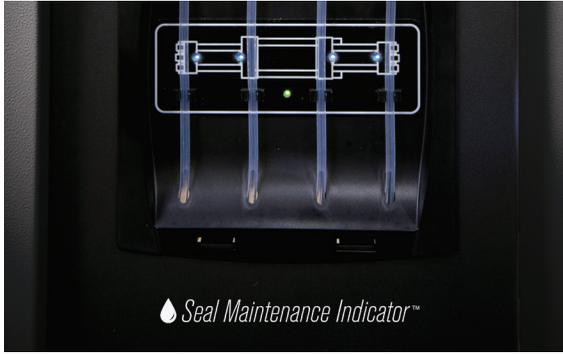
Specifications subject to change without notice.



5-Series predictive technology

DynaMAX 5-Series pumps are the first waterjet pumps to incorporate predictive maintenance capabilities that substantially reduce maintenance costs and disruption caused by non-planned service. Equipped with standard features such as our proven Advanced Intensifier Technology (AIT) and a closed-loop proportional pressure control system, DynaMAX pumps offer you even more consistent cut quality while ensuring trouble-free operation and reliability.





Patented Seal Maintenance Technology

- Eliminates guess work, messy spills and unplanned downtime due to seal failure
- Boosts productivity
- Improves shop safety
- Monitors and maximizes effective seal usage
- Lowers operating costs
- Reduces downtime
- Assists in scheduled maintenance



DynaMAX 350	DynaMAX 575P ³	DynaMAX 5100 ³
50 hp	75 hp	75 kW (100 hp)
34.4 hp	51.6 hp	53.1 kW (72.2 hp)
60,000 psi	60,000 psi	60,000 psi
0.014"/1.0 gpm	0.017"/1.5 gpm	0.020"/2.1 gpm



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

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