OMAX Corporation

ADVANCED PUMP TECHNOLOGY

ENDUROMAX

OMAX EnduroMAX Pump

The 4th Generation OMAX EnduroMAX® Pump is the industry leader in high efficiency reliable direct drive pump technology. Designed for long life, the EnduroMAX Pump is capable of over 1,000 hours between pump rebuilds, maximizing machine uptime. The simple yet robust design is specifically engineered to simplify maintenance through innovative features such as independent cylinders. The operator can rebuild each cylinder as needed, further shortening the maintenance cycle. The EnduroMAX Pump is standard on all new OMAX JetMachining® Centers and is retrofittable to earlier OMAX abrasive waterjet machines.

FEATURES

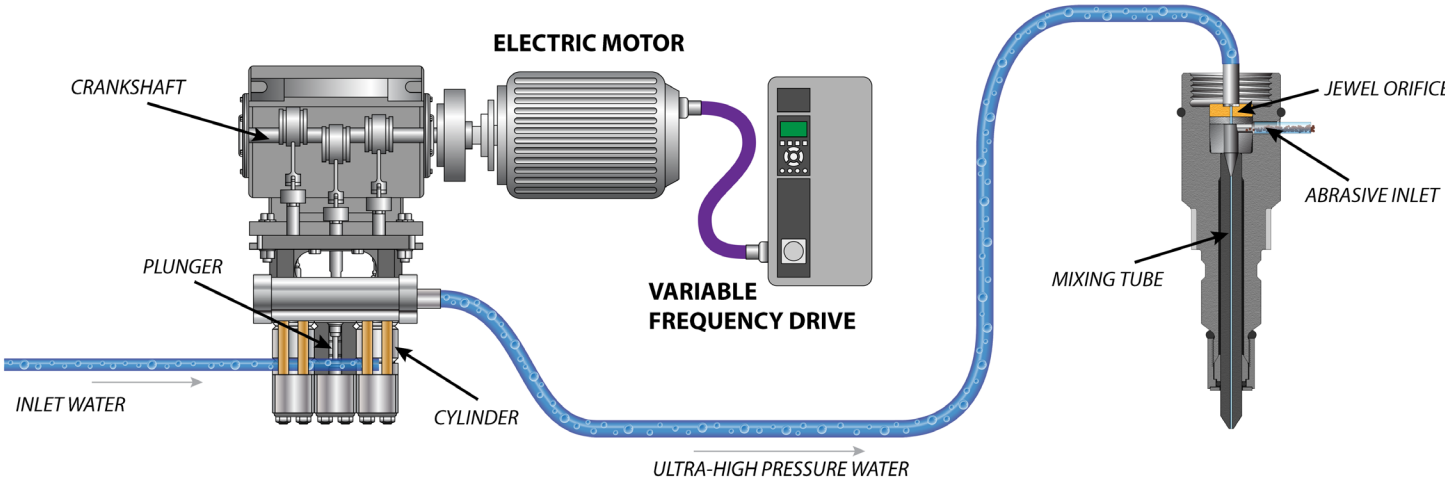
- Simplified, robust pump design
- Independent cylinders for ease of maintenance
- Highly reliable design capable of over 1000 hours between maintenance
- Variable Frequency Drive reduces startup power consumption and maximizes operating flexibility
- Continuous 60,000 psi operation for faster part processing
- Available in 30 hp, 40 hp, and 50 hp models
- Increased productivity with operating efficiencies up to 85%
- Solid wood lid provides access to the pump and doubles as a workbench

BENEFITS

- 4th Generation direct drive pump technology lowers operating costs and increases pump operating life
- Continuously adjustable VFD technology significantly expands pump capabilities by controlling output flow rate and pressure
- Lower overall energy costs compared to inefficient intensifier pump designs
- EnduroMAX pump technology delivers the highest JetPower in the industry for faster and more efficient cutting
- Environmentally "green" system with quiet and clean operation and low electrical consumption
- Maximizes production with maintenance intervals more than double the industry standard

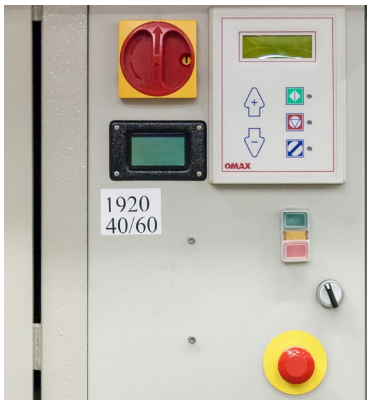
MADE IN THE USA

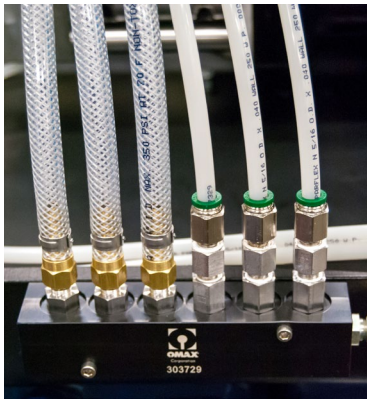
ENDUROMAX



	MOTOR POWER	MAXIMUM JET POWER[1]	OUTPUT PRESSURE	ORIFICE AND FLOW RATE[2]	DIMENSIONS
3060V	30 HP (22 kW)	25.5 HP (18.7 kW)	60,000 psi (4,100 bar)	0.012" / 0.67 gpm (0.30mm / 2.54 lpm)	66" x 36" x 38.5" (1,676mm x 914mm x 978mm)
4060V	40 HP (30 kW)	34.0 HP (25.54 kW)		0.014" / 0.92 gpm (0.36mm / 3.48 lpm)	
5060V	50 HP (37 kW)	42.5 HP (31.5 kW)		0.016" / 1.20 gpm (0.41mm / 4.54 lpm)	

[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.*





ENHANCED VFD TECHNOLOGY

By incorporating Variable Frequency Drive technology, the EnduroMAX pump can maximize production potential and achieve substantial energy savings by altering the speed of the motor based on demand. With the VFD, the EnduroMAX pump can operate throughout a wide range of motor RPMs, resulting in precise pressure control. Varying the speed and torque of the electric motor also means there is less wear and tear on the motor itself, as well as the pump crankcase, reducing maintenance overhead. Whether adjusting for low pressure piercing of delicate materials or dialing in pump pressure for maintenance longevity, the EnduroMAX pump with VFD technology provides the user the flexibility to adapt to their specific needs and requirements.

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 an OMAX JetMachining Center can save you time and money, call or visit our website and request a free part analysis today.

c UL LISTED CE

UL 508A, CAN/CSA C22.2 No. 14, CAN/CSA C22.2 No. 73
Specifications subject to change without notice.

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