



## 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 Jet/Machining® Centers and is retrofittable to earlier OMAX abrasive waterjet machines.

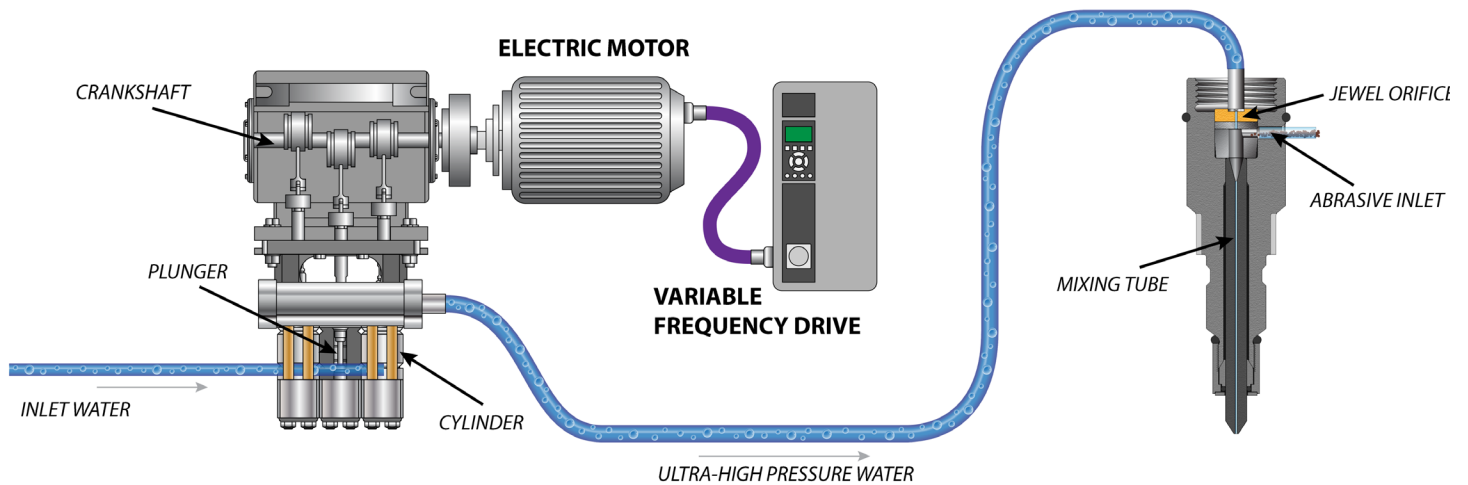
### FEATURES

- 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
- The DualPUMP EnduroMAX option boosts power up to 100 hp

### 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

# ENDUROMAX



	<b>MOTOR POWER</b>	<b>MAXIMUM JET POWER<sup>1</sup></b>	<b>OUTPUT PRESSURE</b>	<b>ORIFICE AND FLOW RATE<sup>2</sup></b>	<b>DIMENSIONS</b>
<b>3060V</b>	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)
<b>4060V</b>	40 HP (30 kW)	34.0 HP (25.54 kW)		0.014" / 0.92 gpm (0.36mm / 3.48 lpm)	
<b>5060V</b>	50 HP (37 kW)	42.5 HP (31.5 kW)		0.016" / 1.20 gpm (0.41mm / 4.54 lpm)	

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

<sup>2</sup> Recommended maximum orifice size. Smaller orifice sizes have a corresponding lower flow rate.

## DUALPUMP PACKAGE

The DualPUMP Package offers unprecedented cutting speed and performance up to 100 hp. It is designed for shops with high capacity production demands to cut thick materials and utilize multiple nozzle operation. It is easy to switch between high power mode and redundancy operation, resulting in the fastest cutting performance and the highest degree of flexibility and reliability that high pressure systems can offer.

With the DualPUMP Package, you will never again need to take a machine offline for scheduled pump maintenance, as the machine can operate on one pump while the second undergoes maintenance. The increase in machine cutting capacity can satisfy more customer demands and can significantly lower the cost per finished part, which helps the user obtain a competitive advantage over other systems.

## 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.



UL 508A, CAN/CSA C22.2 No. 14, CAN/CSA C22.2 No. 73  
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