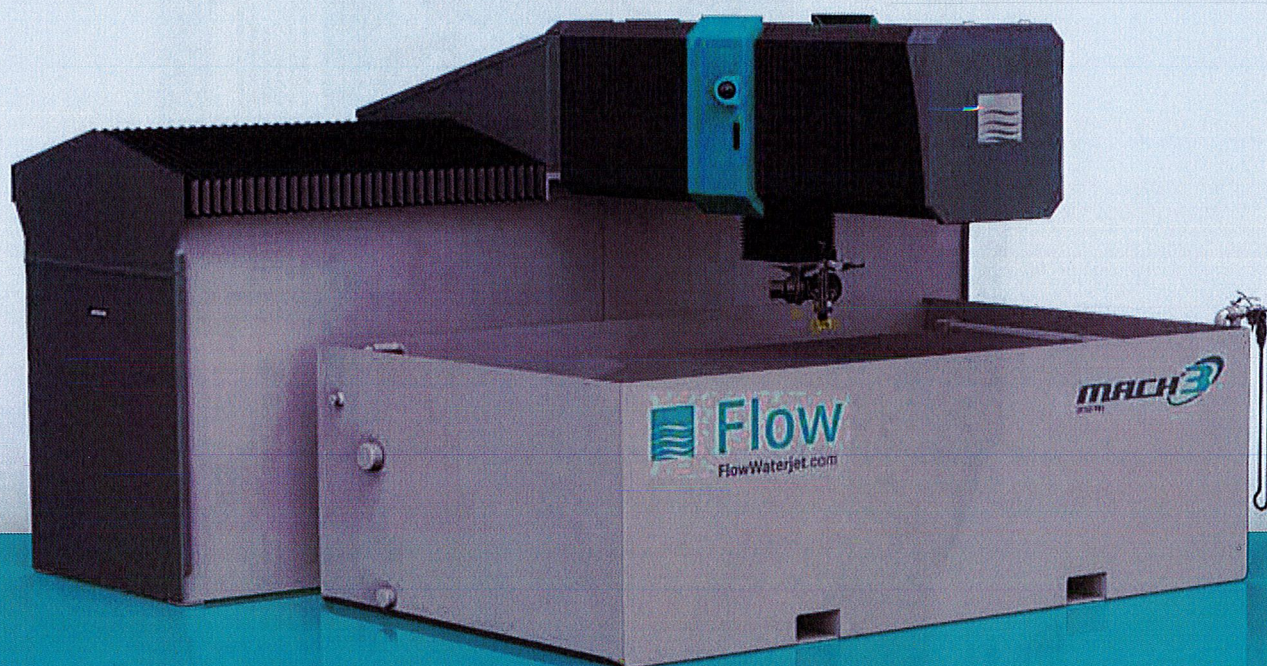




MACH 3 WATERJET SERIES



MACH3

THE WORLD'S MOST POPULAR WATERJET





PROVEN PERFORMANCE

Thousands of installations worldwide have earned our Mach 3 the title of "The World's Most Popular Waterjet." More importantly, reliable performance, day in and day out is what means the most to our customers, and the Mach 3 consistently delivers proven results.

CUTTING HEAD TECHNOLOGY



PURE WATERJET
Hair-thin pure waterjet stream cuts soft materials.

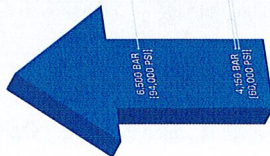


STANDARD WATERJET
Uses garnet abrasive to cut virtually any hard material.



DYNAMIC WATERJET
Rage laser-faster and more accurate than Standard Waterjet.

A PUMP FOR EVERY APPLICATION



HYPERJET®
6,500 BAR (94,000 PSI)
With pressures rated at an industry leading 6,500 bar (94,000 psi) and continuous operating pressures of 6,000 bar (87,000 psi), HyperJet pumps provide maximum productivity.

INTENSIFIER
4,150 BAR (60,000 PSI)
With continuous operating pressure at 4,150 bar (60,000 psi), this is the most powerful, compact, and efficient ultrahigh-pressure pump in the industry.

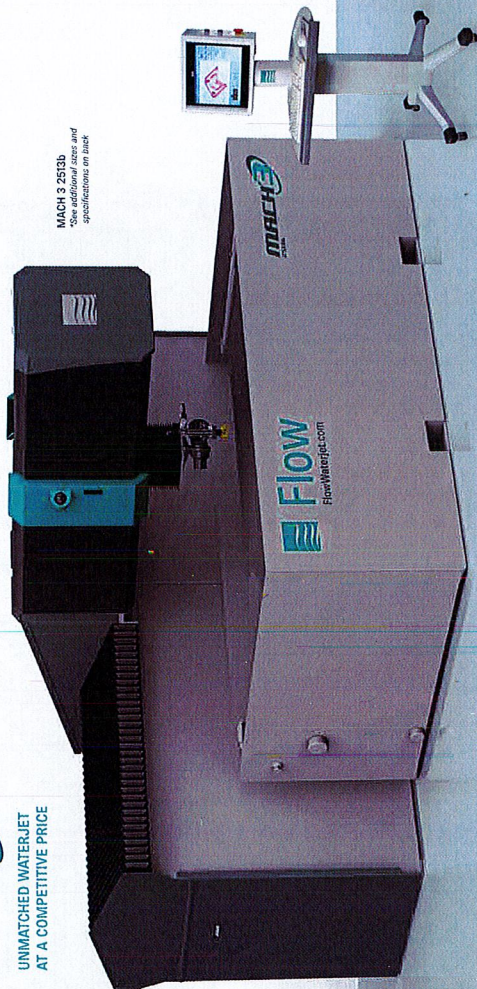
HYPLEX® PRIME
4,150 BAR (60,000 PSI)
With pressures rated at 4,150 bar (60,000 psi) and continuous operating pressure of 3,800 bar (55,000 psi), Hplex Prime pumps deliver the highest pressure, most advanced direct drive pumps available today.

PRESSURE = PRODUCTIVITY
Flow offers the widest array of high-pressure pumps. Each is fully integrated with sensor driven diagnostics that are monitored by the Mach 3 operator station.

MACH 3

UNMATCHED WATERJET AT A COMPETITIVE PRICE

MACH 3 2513B
The most powerful and accurate specifications on back



THE WORLD'S MOST POPULAR WATERJET

RUGGED MECHANICAL DESIGN
Heavy-duty two-piece steel construction. Laser calibrated and ball bar inspected.

PREMIUM MOTION SYSTEM
Precision ball screw with spine-the-nut technology and high-resolution digital drives provides highly accurate, quick movement.

ULTIMATE ACCESSIBILITY
Open design with full worktable access on three sides for easy loading and unloading of material.

LASER CUTTING SYSTEM
Reliable abrasive delivery and cutting package that precisely meters abrasive and provides perfect stream alignment.

COMPREHENSIVE SOFTWARE SUITES
Easy to use FlowVision® and FlowExpert® software suites allow you to program a part in minutes—virtually any material, any thickness.

ROLL-AROUND CONTROL
Convenient roll-around operating console easily reaches your entire work envelope. All diagnostics from your integrated software are displayed on your PC.

PRESSURE = PRODUCTIVITY

The Mach 3 is simply not the same as the competition. The faster your waterjet pump cuts, the faster you can cut. A faster waterjet stream also uses less abrasive.

Cost Factor | Lower Costs | Increase Production

Whether you are producing one-off parts or producing large quantities, the Mach 3 will cut faster and at an overall lower cost.

$$\text{PRESSURE} = \text{PRODUCTIVITY}$$

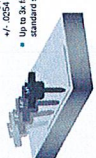
SMARTSTREAM™ TECHNOLOGY

Our exclusive SmartStream technology was patented complex stream based on the material parameters you choose. Simply select your material type and thickness from the library of over 100 materials. SmartStream will calculate the correct speed and angles to provide you with a precise part at the fastest speed possible.

DYNAMIC WATERJET—DYNAMICALLY SUPERGE PARTS

Our patented Dynamic Waterjet works unlike any other system. It uses a dynamic waterjet stream that is constantly changing (counter stream lag and taper characteristics inherent to waterjet), but also automatically tilts and monitors the speed of the waterjet. The result is a waterjet stream that is up to 3x faster than standard systems.

- Up to 3x faster than standard systems
- 47,0254 mm (1.7,000 in)
- Easy to use

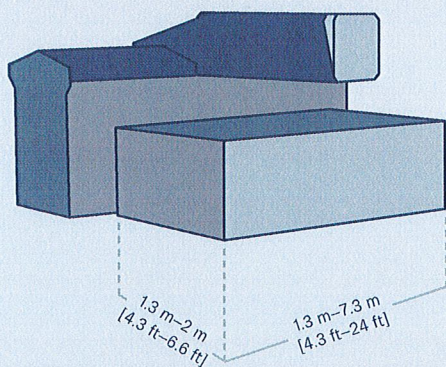


DYNAMIC WATERJET XD—DYNAMICALLY SUPERGE PARTS

Dynamic XD incorporates the unique capabilities of SmartStream technology and Dynamic Waterjet for level cutting. This distinctive Flow technology can cut with 5-axis motion, even 5-axis motion with 5-axis accuracy. Easily cut flat back with up to 1/2" of motion.

Test cut for safety required on all forms and 3D parts.





Mach 3 Specifications

Linear Straightness Accuracy	.0381 mm per 1 m	0.0015 in per 3 ft
Cut Speed	7.6 m/min	Up to 300 ipm
Traverse Speed	12.7 m/min	Up to 500 ipm
Repeatability	.050 mm	.002 in
Z Travel	178 mm	7 in
Sizes		
1313b	1.3 m x 1.3 m	4 ft x 4 ft
2513b	2.5 m x 1.3 m	8 ft x 4 ft
3020b	3 m x 2 m	10 ft x 6.5 ft
4020b	4 m x 2 m	13 ft x 6.5 ft
7320b	7.3 m x 2 m	24 ft x 6.5 ft

ADDITIONAL OPTIONS & ACCESSORIES

- Operator Convenience Package
- FlowTeach™ with Wireless Pendant
- HydroClean™ Abrasive Removal System
- UltraPierce™ Material Piercing Assist
- Laser Edge Finder
- FlowNest® Software
- FlowShift Vectorization Software
- High-Pressure Pump Option up to 6,500 bar [94,000 psi]
- ProXtract™ Part Removal Wand
- And More



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