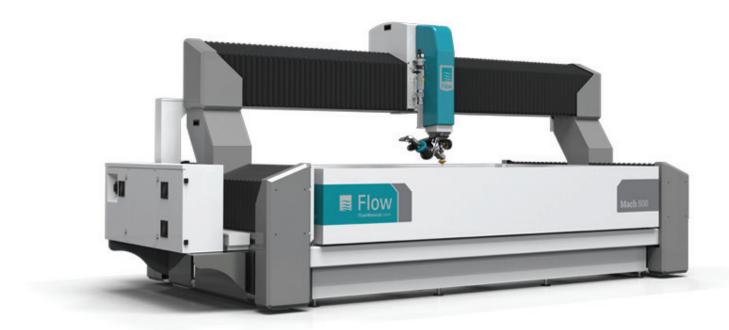


**Mach** 500 Waterjet Series



# Mach 500 make more.

## **Mach** 500: THE WORKHORSE **OF WATERJET**

**ENGINEERED FOR** PRODUCTION

Industry leading drive technology for smooth motion and fast part

production.

Experience a new level of uptime and productivity with the Mach 500, your total cutting solution. Combining unmatched accuracy with the fastest acceleration in waterjet, the Mach 500 will elevate your cutting production and performance levels.

More parts. More productivity. More accuracy. More reliability. Make more.

ROBUST CONSTRUCTION

All steel, 2 piece construction, and full environmental protection to reliably handle rigorous use.

OPERATOR

Acceleration improvement of

10

Flow

 $\approx$ 

MODERN **ARCHITECTURE** Ensuring peak performance from the absolute core of the

system.

**EFFICIENCY** Designed for efficiency, featuring water level control, toe kick, and easy fixturing.

. . . . . . . . . .







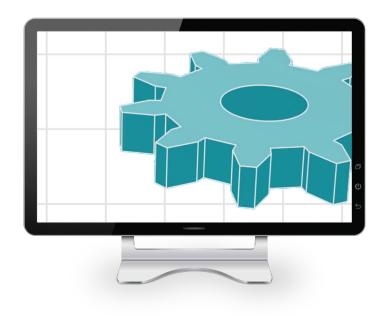
#### The Magic Behind the Machine

FlowXpert<sup>®</sup> Waterjet Software Your part, fast and simple.

Fully integrated into the Mach 500, FlowXpert is a 3D modeling CAD/CAM software suite.

- Import any CAD file
- · Build your own CAD file
- Create a CAD file from an image you import

Using intelligent algorithms and 40+ of waterjet expertise, FlowXpert automatically creates the most efficient waterjet cut path for you, so you can make more.

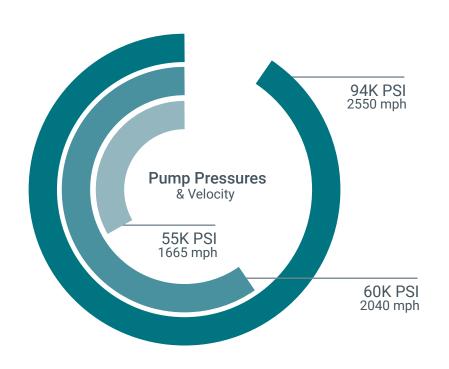


#### Industry Leading Pump **Technology from Flow**

**PRESSURE = PRODUCTIVITY** 

The pump is the heart of your waterjet. Higher pressure delivers faster cutting and lower cost per part.

Get the fastest velocity jet stream with our Flow HyperJet<sup>®</sup> pump.



more parts o	The higher the pressure, the more parts cut – resulting in <b>lower cost per part</b> .				
<sup>55К</sup> \$\$\$	<sup>60К</sup>	94К <b>\$</b>			



## **Flow** ACCELERATE **YOUR CUT**

### The Mach 500 is the world's quickest waterjet.

How quickly your waterjet accelerates or decelerates (not top speed) determines your cut part cycle time.

SHORTER CYCLE TIMES = INCREASED PRODUCTIVITY 20% faster than legacy systems

Get best in class acceleration on the Mach 500: 0.1 G The result: more parts, faster. Make more.

### ProTip 🗸

The speed of a waterjet will tell you how fast parts are not just straight. The ability of your important factor in determining how quickly

Make more with the Mach 500.



• • • • •	•••••	• • • • •	••••	••••	••
	in a straigh	t lina hut	in the rea	Jworld	
aterjet to	in a straigh get up to spe	eed quick	ly is the r	nost	
ou will end	up with cut	parts in y	our hand	S.	

#### State-of-the-art **Cutting Technology**

From 2D to multi-axis cutting, Flow technology provides the highest accuracy, fastest cut part.





Dynamic Wateriet<sup>®</sup>

Conventional Waterjet

Uses pure water

any soft or hard

material.

or garnet abrasive to cut virtually

Up to 4x faster and more accurate cutting. Head tilts automatically eliminating stream lag and taper for flat stock cutting.



⊡ PATENTED

compass 📥



The accuracy and speed of Dynamic Waterjet brought to the 3D world.

dvnamicX<sub>D</sub>

For exceptional accuracy with Dynamic XD, add Compass (patented) - the world's first multi-axis contour follower. Get the most precise part regardless of material flatness.

. . . . . . . . . . . . .



With our three levels of support -Standard, Plus, or Complete – choose the option that best fits your business and your budget.

#### Standard

- All Flow systems feature our world class service
- and support, standard.

#### Plus

- With FlowCare Plus you gain comprehensive
- coverage and unique advantages on top of Flow's
- Standard service -automatically scheduled

exchange programs, consumables & abrasive, and an extended factory warranty.

## Complete

FlowCare Complete, our premier service partnership provides comprehensive coverage including all the benefits of our Standard and Plus programs, as well as additional exclusive advantages.



Complete Consumables



Complete Exchange



Complete

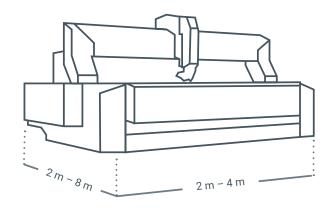
Maintenance

Abrasive





# Mach 500 make more.



## **SPECIFICATIONS & CONFIGURATIONS**

Linear Straightness Accuracy $\rightarrow$	± 0.0381 mm/m
Rapid Traverse Maximum ——•	17.8 m/min
Acceleration	0.1 G
Repeatability	± 0.03 mm
Ballbar Circularity —	± 0.0635 mm
Z-Axis Travel —	305 mm, 610 mm
Base•	2 m, 3 m, 4 m, 6 m
Bridge•	2 m, 3 m, 4 m

#### **ANCILLARY OPTIONS & ACCESSORIES** (+)

Paser CF900 Continuous Feed Hopper Compass<sup>™</sup> 5 Axis Contour Follower UltraPierce<sup>™</sup> Vacuum Assist Dynamic Contour Follower™ **Closed Loop Water Filtration Closed Loop Chiller** Spray Containment Shields ProXtract<sup>™</sup> Part Extractor Laser Edge Finder Abrasive Removal System Stainless Steel Catcher Tank Water Level Control 3 Stage Weir Tank Work Piece Fixturing System Dual Hopper **Dual Pumps Rotary Indexer** Dual Zone Dual Z-Axis Multi Head Spreader Bar

m, 8 m

#### **UNITED STATES & CANADA**

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