



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 Abrasive



Complete Exchange



Complete Maintenance



# 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

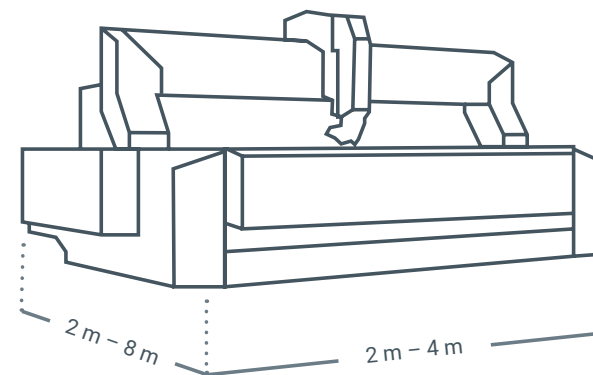
The result: more parts, faster. **Make more.**

### ProTip ✓

The speed of a waterjet will tell you how fast you can cut in a straight line, but in the real world, parts are not just straight. The ability of your waterjet to get up to speed quickly is the most important factor in determining how quickly you will end up with cut parts in your hands.

Make more with the Mach 500.

# Mach 500

 make more.

## SPECIFICATIONS & CONFIGURATIONS

Linear Straightness Accuracy	→ ± 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, 8 m
Bridge	→ 2 m, 3 m, 4 m

## ANCILLARY OPTIONS & ACCESSORIES

Paser CF900 Continuous Feed Hopper  
Compass™ 5 Axis Contour Follower  
UltraPierce™ Vacuum Assist  
Dynamic Contour Follower™  
Closed Loop Water Filtration  
Closed Loop Chiller  
Spray Containment Shields  
ProXtract™ 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

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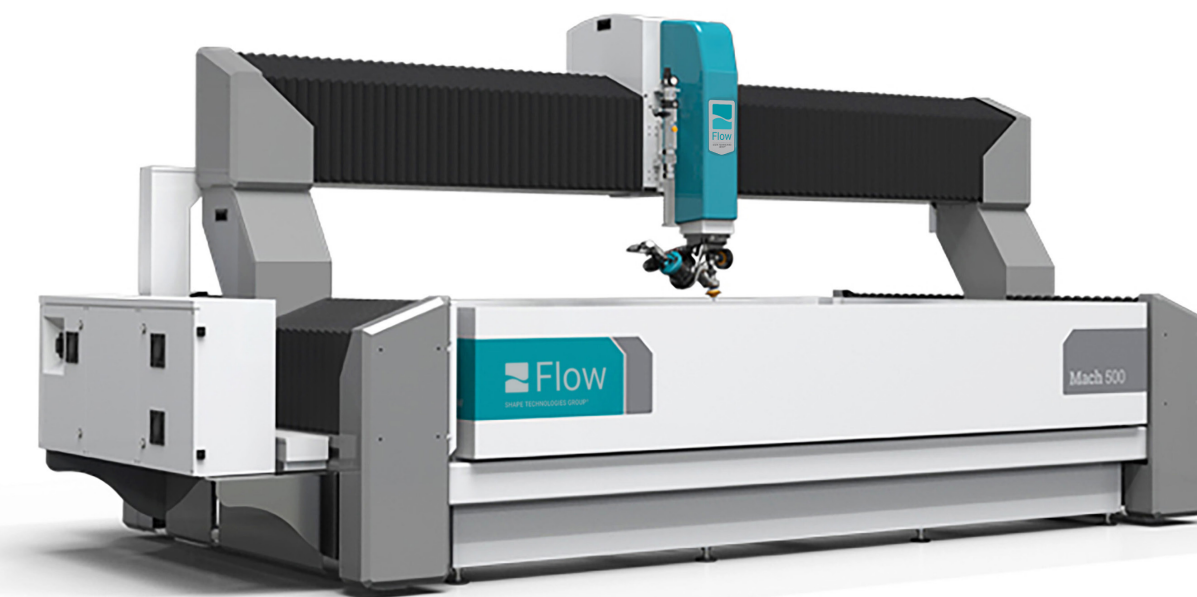
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**Mach 500**  
Waterjet Series



# Mach 500

 make more.

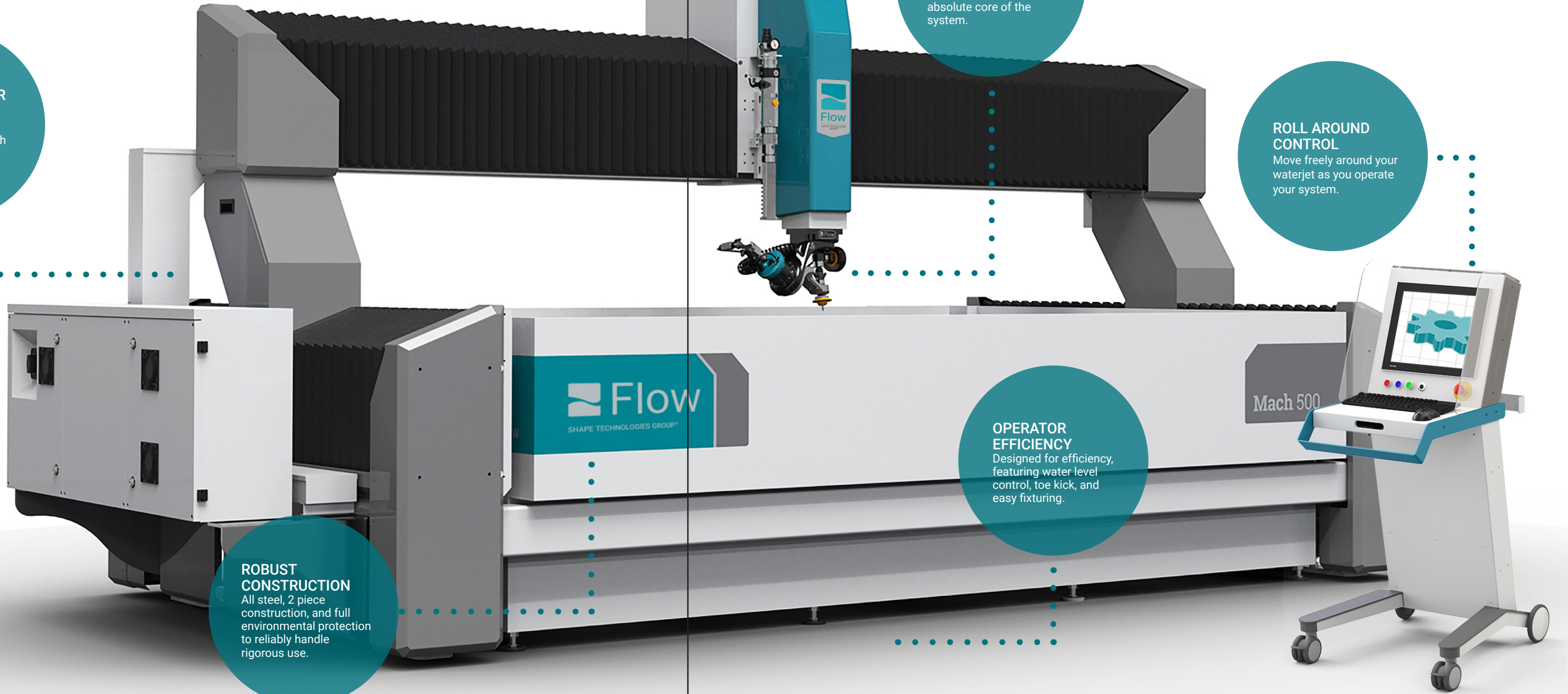


# Mach 500: THE WORKHORSE OF WATERJET

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.**

**ENGINEERED FOR PRODUCTION**  
Industry leading drive technology for smooth motion and fast part production.



Acceleration improvement of  
**200% 2X**  
improvement in repeatability

Up to  
**50%**  
increase in Z travel  
(over legacy systems)

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

**ROLL AROUND CONTROL**  
Move freely around your waterjet as you operate your system.

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

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

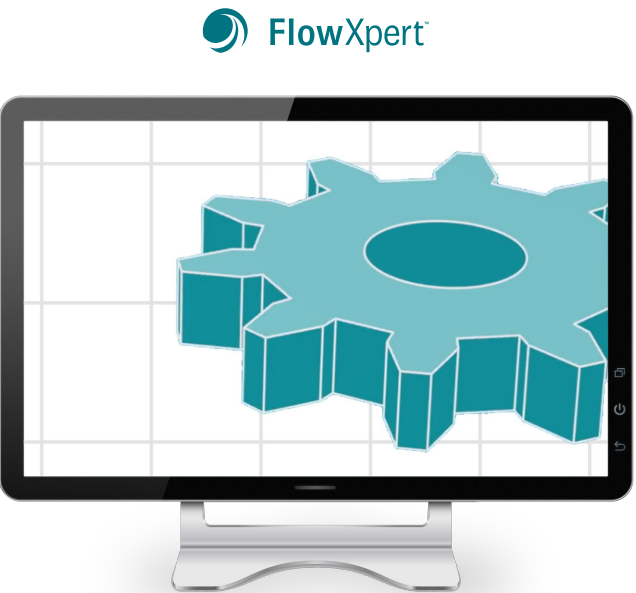
## The Magic Behind the Machine

FlowXpert® 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

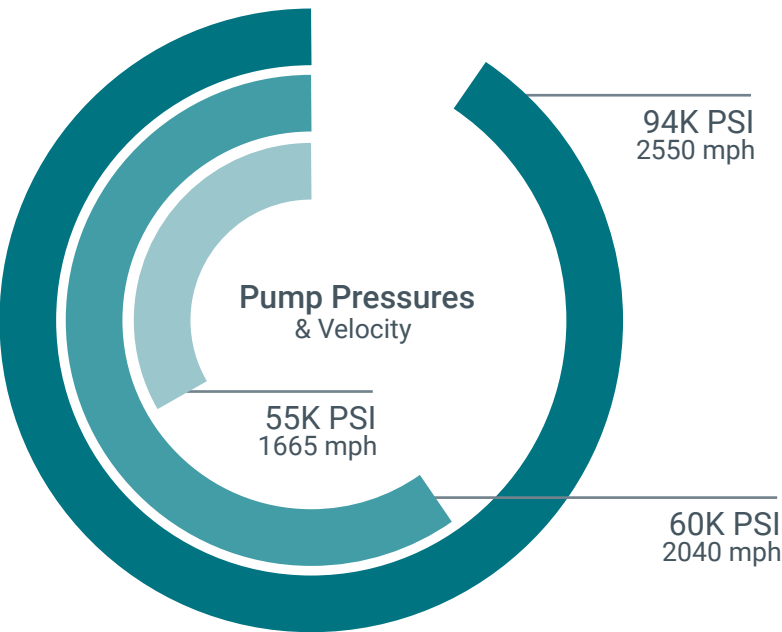
**PRESSURE = PRODUCTIVITY**

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® pump.

The higher the pressure, the more parts cut – resulting in lower cost per part.

55K	60K	94K
\$\$\$	\$\$	\$



Flow offers the widest array of waterjet pumps.



## State-of-the-art Cutting Technology

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




**Conventional Waterjet**  
Uses pure water or garnet abrasive to cut virtually any soft or hard material.



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



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

**compass**  **dynamicXp**  
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.