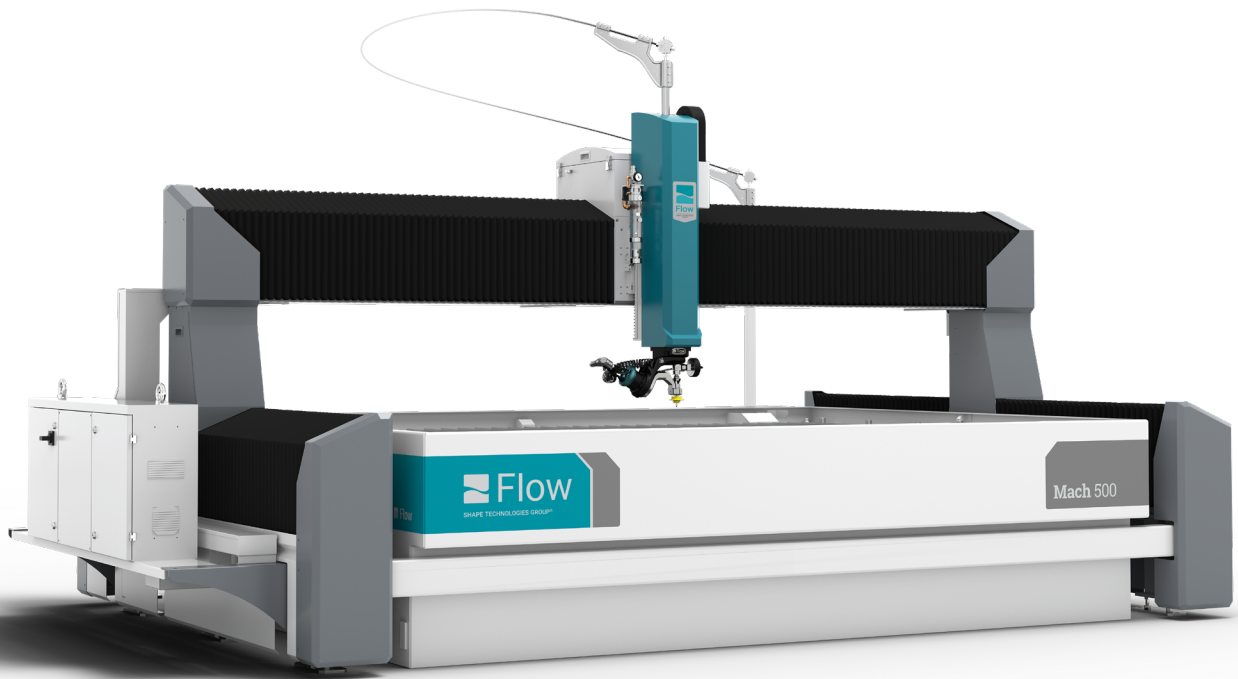




Mach 500 Waterjet Series



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.

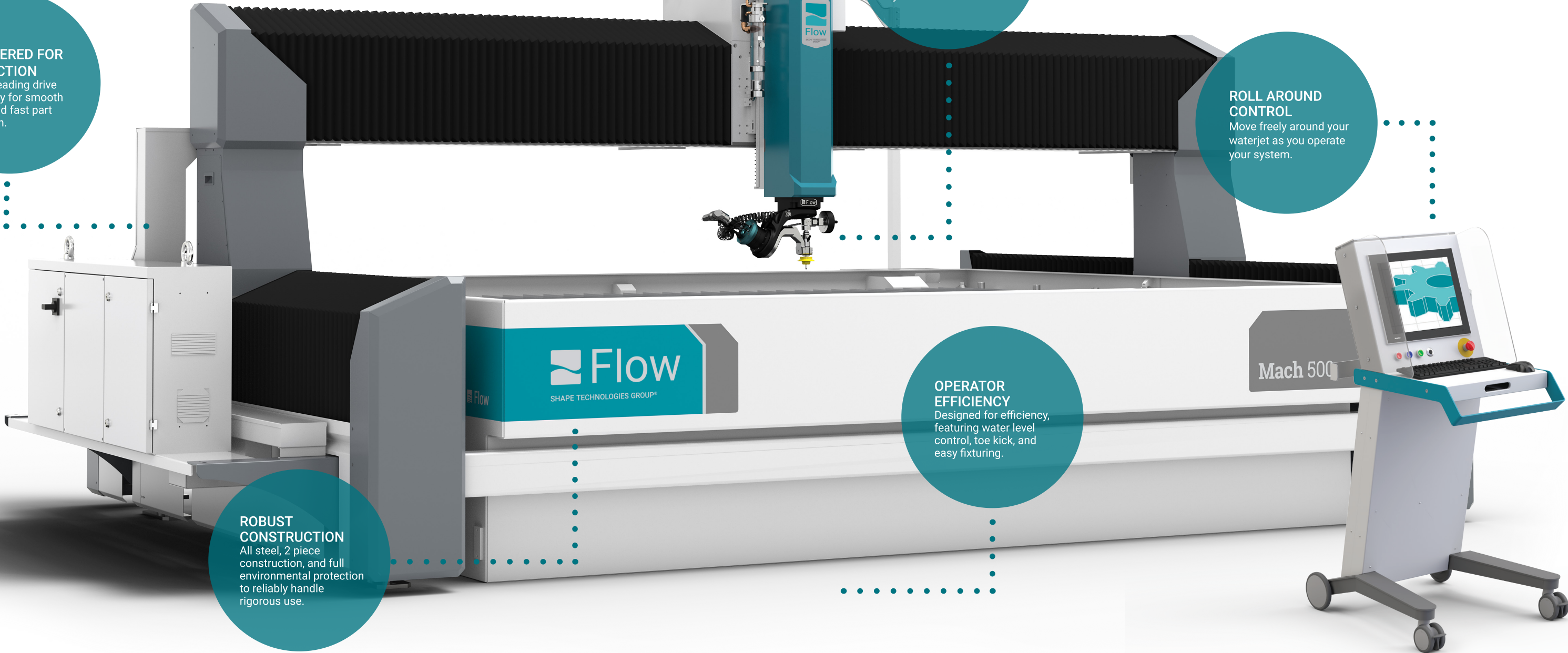
More parts. More productivity. More accuracy. More reliability. **Make more.**

Acceleration
improvement of
200% **2X** improvement in
repeatability
Up to
50% increase in Z travel
(over legacy systems)

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

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.



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

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

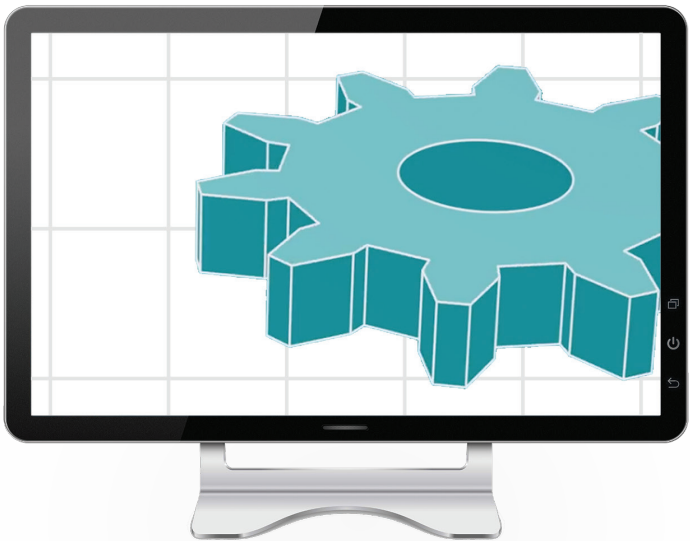
The Magic Behind the Machine

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+ years of waterjet expertise, FlowXpert automatically creates the most efficient waterjet cut path for you, so you can **make more**.

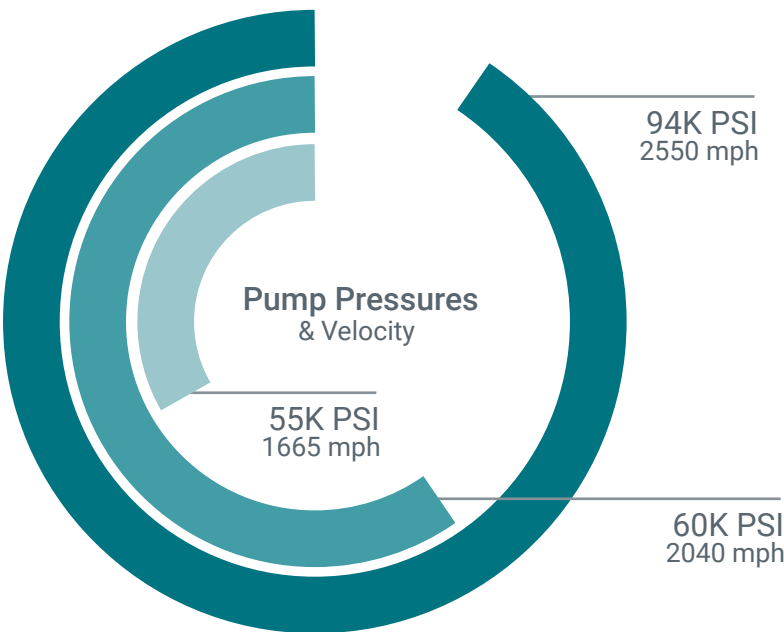


Industry Leading Pump Technology from Flow

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.



HyperJet®

HyPlex Prime®



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.

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.

FlowCare

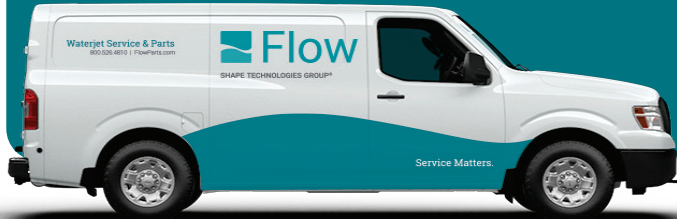
With our three levels of support – Standard, Plus, or Complete – choose the option that best fits your business and your budget.

- 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, and an extended factory warranty.

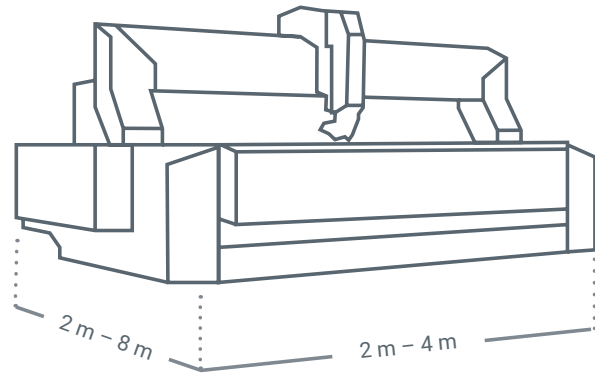
Complete

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



Mach 500 make more.



SPECIFICATIONS & CONFIGURATIONS

Linear Straightness Accuracy	→ +/-0.038 mm/m
Rapid Traverse Maximum	→ 17.8 m/min
Acceleration	→ 0.1 g
Repeatability	→ ± 0.03 mm
Ballbar Circularity	→ ± 0.064 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

- Operator Convenience Package
- Pure Waterjet
- Dynamic Waterjet®
- Dynamic Waterjet® XD
- Dual Head
- Compass™ for Dynamic XD
- Dynamic Contour Follower™
- UltraPierce™ Vacuum Assist
- Rotary Indexer
- Pneumatic Drillhead
- Laser Edge Finder
- Remote Pendant
- FlowXpert® 3D CAD/CAM Software
- FlowPath 2D CAD/CAM Software
- FlowCut System Control Software
- FlowNest® Nesting Program
- Paser CF900 Continuous Feed Hopper
- Abrasive Removal System
- Closed Loop Water System
- Spray Containment Shields

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