

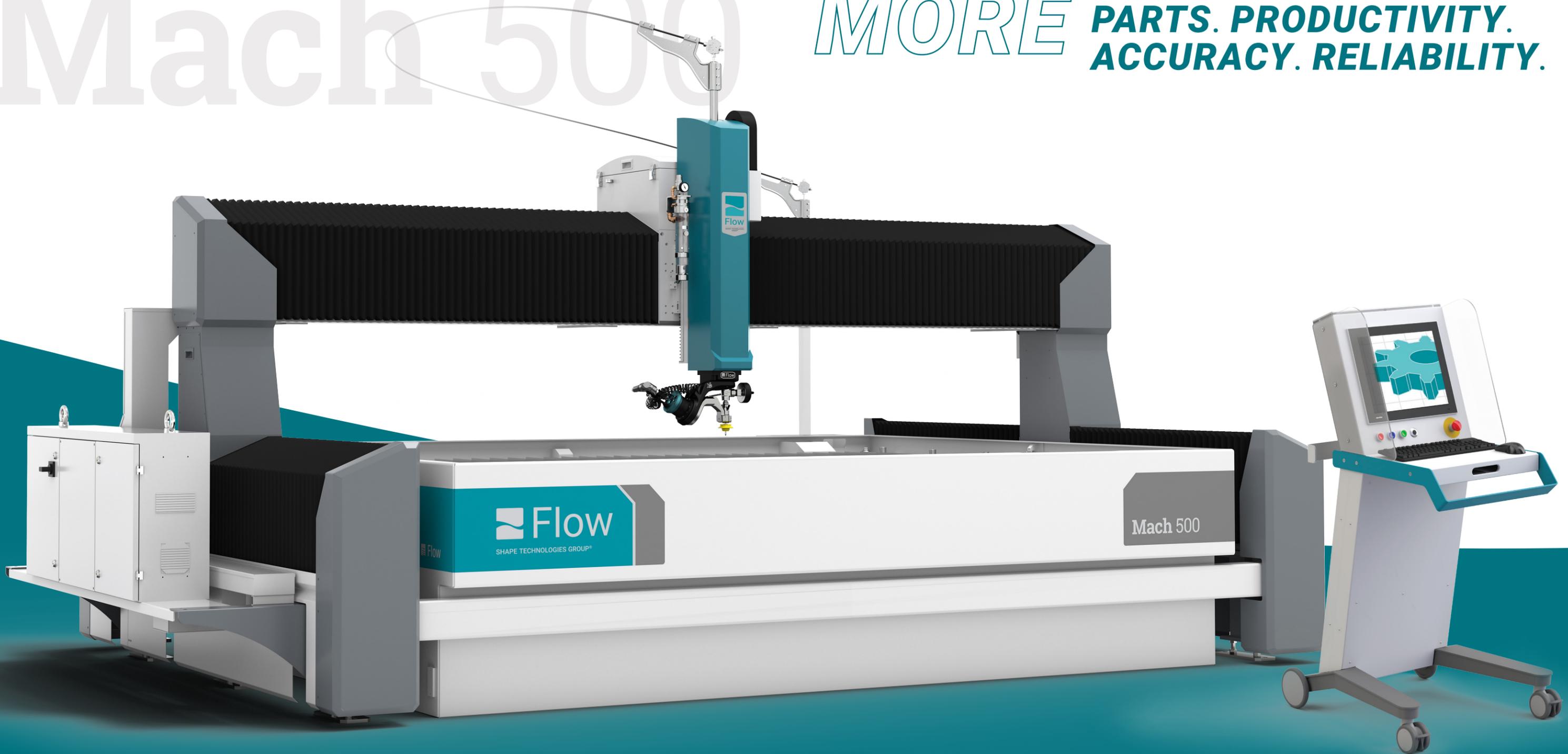
Mach 500

WATERJET SERIES



Mach 500

MORE PARTS. PRODUCTIVITY.
ACCURACY. RELIABILITY.



PRESSURE = PRODUCTIVITY

The pump is the heart of your waterjet.
Higher pressure delivers faster cutting and lower cost per part.
Both direct drive and intensifier pump technologies available.



The Mach 500 can be paired with any of our leading pump technology options:

HYPLEX PRIME
Direct Drive | 60,000 psi

MOTOJET
Intensifier | 60,000 psi

MOTOJETX
Long-Life Intensifier | 60,000 psi

HYPERJET
Intensifier | 94,000 psi

POPULAR CONFIGURATION

UNMATCHED ACCELERATION

The Mach 500's 0.1 g acceleration speed is unrivaled.

DESIGNED FOR EASE OF OPERATION

When your operator is ergonomically supported, production increases.

SOLID FOUNDATION

Robust, all-steel, two-piece construction is designed to handle high-production operations.

MODERN ARCHITECTURE

Designed to stand the test of time & features the latest technology advancements throughout.

ROLL-AROUND OPERATOR STATION

Position your control wherever is most convenient for your operator.

Pair with any of our state-of-the-art cutting head solutions:

PURE WATERJET

Hair-thin, abrasive-free waterjet stream ideal for cutting soft materials.

STANDARD WATERJET

Uses garnet abrasive to cut virtually any hard material.

DYNAMIC WATERJET®

Up to 4x faster and more accurate cutting.

DYNAMIC WATERJET® XD

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



IoT ENABLED

waterjet connect™

Your unique, one-stop-shop for accessing all things related to your waterjet system. Order parts, schedule service, view your order history, and more through your Waterjet Connect account.

MAKE MORE

Prepare to redefine excellence with the **Mach 500**, where precision meets reliability, and productivity knows no bounds.

The Mach 500 is renowned as the workhorse of waterjet, setting the highest standards in the waterjet industry for performance, precision, and reliability. Designed to withstand **rigorous production levels** and deliver **lightning-fast acceleration**, the Mach 500 is our flagship waterjet. It's a combination of elite technologies and intentional engineering, proven to deliver, day in and day out.



The Magic Behind the Machine

The FlowXpert software suite is a **fully integrated 2D & 3D modeling and pathing** solution. It's designed for waterjets, but capable of powering your entire shop as one simple solution.

ALL-IN-ONE SOLUTION

SMART FEATURES

AUTOMATED CUTTING EFFICIENCIES

50+ YEARS OF WATERJET EXPERTISE BUILT IN



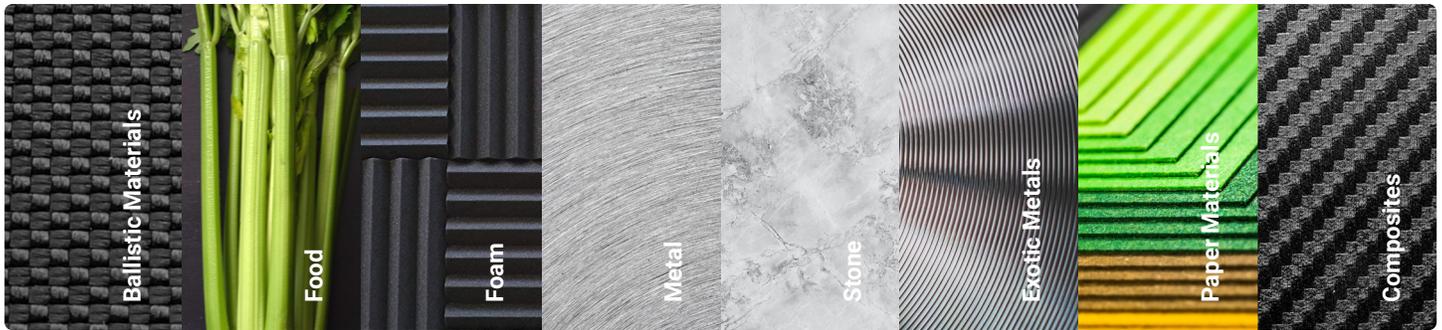
Service & Support You Can Count On

FlowCare, our intensifier and direct drive service program, helps maximize uptime, safeguard your investment, and makes scheduled maintenance a breeze.

FlowCare offers a wide variety of benefits:

- Extended Warranties
- Onsite Preventative Maintenance & Training
- Personalized Part Packages
- Factory-Certified Rebuilds
- Start-Up Consumable Packages

VIRTUALLY ANY MATERIAL. VIRTUALLY ANY SHAPE.



Specifications & Configurations

	IMPERIAL	METRIC
Linear Positional Accuracy	± 0.0005 in	± 0.0127 mm
Rapid Traverse Maximum	700 in/min	17.8 m/min
Acceleration	0.1 g	0.1 g
Repeatability	± 0.0008 in	± 0.020 mm
Ballbar Circularity	± 0.0025 in	± 0.0635 mm
Z-Axis Travel	12 in, 24 in	305 mm, 610 mm

Accuracy specifications are at 72° F (22° C) +/- 10 degrees

Work Envelope

	IMPERIAL	METRIC
Mach 500 2020	6'-6" x 6'-6"	2 m x 2 m
Mach 500 3020	10'-0" x 6'-6"	3.05 m x 2 m
Mach 500 3060	10'-0" x 20'-0"	3.05 m x 6 m
Mach 500 4020	13'-1" x 6'-6"	4 m x 2 m
Mach 500 4080	13'-1" x 26'-0"	4 m x 8 m

Ancillary Options & Accessories

Ask us about the many options and accessories we have available, like **Compass™**, our height-setter and contour follower, or the **Paser CF 900**, our continuous abrasive delivery system.



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