



MACH3

THE WORLD'S MOST
POPULAR WATERJET





UNMATCHED TECHNOLOGY AT A COMPETITIVE PRICE

PUMP TECHNOLOGY

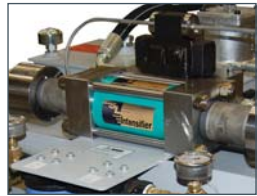
PRESSURE = PRODUCTIVITY

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



HYPLEX HYBRID | 4,150 bar

Featuring pressures rated to 4,150 bar, HyPlex Hybrid pumps are the highest pressure, most advanced direct drive pumps available today.



INTENSIFIERS | 4,150 bar

Featuring continuous operating pressure at 4,150 bar in configurations typically from 30 to 100 HP, this is the longest lasting, lowest maintenance ultrahigh-pressure pump in the industry.



HYPERJET | 6,500 bar

With pressures rated at an industry leading 6,500 bar and continuous operating pressures of 6,000 bar, HyperJet pumps provide maximum productivity.

FULLY INTEGRATED BY DESIGN

The Mach 3 is purposefully designed by Flow to work as an integrated waterjet system rather than a collection of components.

The operator console provides full diagnostics monitoring for the health and performance of the entire waterjet system.



The entire system is monitored and operated HERE.



Highlights include:

PUMP

Sensors provide warnings, prevent shutdowns, and allow you to view and adjust pressures directly from the console.

ABRASIVE BULK TRANSFER

Hopper with 285 kg storage capacity provides warnings for low and empty abrasive, via the control station.

MOTION CONTROL

Digital drive closed loop tachometer and velocity feedback.





With thousands of system installations worldwide, the Mach 3 series has earned the title of The World's Most Popular Waterjet.



STATE-OF-THE-ART MOTION SYSTEM

Precision Ball Screw with spin the nut technology and high-resolution digital drives provides highly accurate, quick movement.



RUGGED MECHANICAL DESIGN

Heavy-duty two piece steel construction isolates the motion system from the cutting process. Laser aligned and ball bar inspected.



ULTIMATE ACCESSIBILITY

Open architecture with full worktable access on 3 sides for easy loading and unloading of material.

OPTIONS

- Dynamic Waterjet®
- FlowTeach with Wireless Pendant
- Abrasive Removal System
- UltraPierce
- Height and Anti-collision Sensor
- Laser Pointer
- Clamping System
- FlowNest Software
- Vectorization Software
- High-Pressure Pump Option up to 6,500 bar

MACH 3b SERIES | SPECIFICATIONS

Cutting Area:

from 1.3 m x 1.3 m to 7.3 m x 2 m

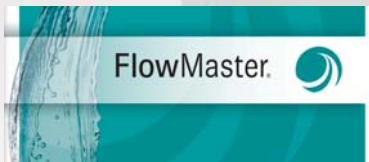
Accuracy: ± 0.06 mm/m

Speed: 12.7 m/min



PASER® CUTTING SYSTEM

The world's most popular abrasive waterjet system from the inventor of the abrasive waterjet. Precision cutting in an easy to operate, robust design.



FLOWMASTER WATERJET SOFTWARE

Easy to use comprehensive software allows you to program a part in minutes – any material in any thickness. Job costing, nesting and image vectorizing are standard.



ROLL AROUND CONTROL

Convenient roll around operating console easily reaches your entire work envelope. All diagnostics from your integrated waterjet display on your PC.

DYNAMICALLY SUPERIOR PARTS

DYNAMIC WATERJET® *FLOW EXCLUSIVE TECHNOLOGY*

DYNAMIC WATERJET— Cut at High Speed *and* to High Precision

Flow invented and patented Dynamic Waterjet with Active Tolerance Control in 2001 to counter stream lag and taper. Dynamic Waterjet ensures your system is cutting at top speed (up to 2 to 4 times faster than Standard Non-Dynamic Waterjet) and creates finished parts to previously unrealized precision.

Advanced *SmartStream* mathematical models work behind the scenes to tilt the head to the side to eliminate taper and tilt it forward to control the stream.

STANDARD NON-DYNAMIC CUT PART



DYNAMIC WATERJET CUT PART





YOUR LOCAL FLOW PARTNER



FLOW – YOUR GLOBAL WATERJET SOLUTION

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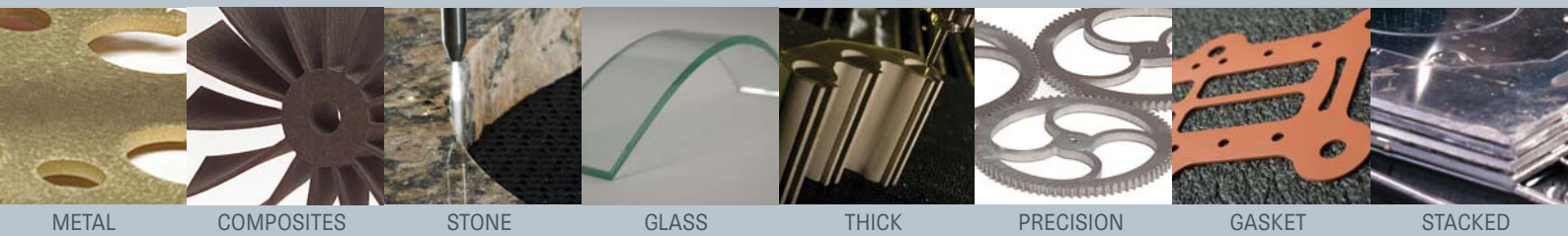
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METAL

COMPOSITES

STONE

GLASS

THICK

PRECISION

GASKET

STACKED

ULTIMATE VERSATILITY