



# Mach 700

think big.

The Mach 700 is the ideal waterjet solution for heavy industry, large parts, and high production demands. This large format waterjet is the ideal combination of size, speed, and accuracy. Available with a dual bridge, the Mach 700 is designed for demanding environments and exacting expectations. Make a big impact on your bottom line with the Mach 700.

## BENEFITS

- Efficiently process large format parts
- Excels in demanding, heavy industry environments
- Smooth motion for precision cutting
- Reduce cycle time with fast and nimble acceleration & deceleration
- Total solution complete with service, software, and cutting edge technology
- Guarantee uptime with service solutions for parts, training, and maintenance

### SIZED FOR PRODUCTION

Cut large parts and heavy materials with ease on the Mach 700. Load and unload efficiently, add an additional gantry and multiple cutting heads, and drive production to new levels. The Mach 700 is engineered for strength and speed, built with all steel construction to handle heavy duty use.

### FAST & ACCURATE

The Mach 700 cuts with astounding speed, driving overall part processing times down, and your production up. Industry leading helical rack and pinion drive system ensures smooth motion across the large table for accurate and precise cutting. Big table, fine details – combined with easy to use software for the ideal large format cutting solution.

### BIG SUPPORT

Delivering more productivity and more reliability requires world class support. Certified Flow technicians, preventative maintenance plans, high pressure exchange programs, on-time parts delivery, support & comprehensive training are all included.

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As the world leader and inventor of waterjet, Flow is the only supplier who researches, designs, and manufactures the entire waterjet system. This unique blend of industry leading waterjet capability and customer commitment allows us to deliver an unparalleled waterjet solution.

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## SPECIFICATIONS & CONFIGURATIONS

Linear Positioning Accuracy	± 0.0015 in / 3 ft / ± 0.038 mm/m
Rapid Traverse Maximum	1417 in/min / 36 m/min
Repeatability	± 0.001 in / ± 0.03 mm
Z Travel	12 in, 24 in / 305 mm, 610 mm
Base	26.2 ft, 49.2 ft, 78.7 ft / 8 m, 15 m, 24 m
Bridge	13.1 ft, 16.4 ft / 4 m, 5 m
Acceleration	0.1 g
Ballbar Circularity	± 0.0025 in / ± 0.064 mm

## ULTRAHIGH-PRESSURE PUMPS

HyPlex<sup>®</sup> Prime rated at 60,000 psi [4,150 bar]  
UltraJet 60,000 psi [4,150 bar]  
HyperJet<sup>®</sup> rated at 94,000 psi [6,500 bar]

## ANCILLARY OPTIONS

Roll-Around Control  
High-Performance Package  
Operator Convenience Package  
UltraPierce™  
Laser Edge Finder  
Part Removal Wand  
Dynamic Contour Follower  
Closed Loop Water Filtration  
Closed Loop Chiller  
Spray Shields  
ProXtract Part Extractor  
Pneumatic Drillhead

## SOFTWARE

FlowPath™  
FlowCut™  
FlowNest<sup>®</sup>  
FlowXpert<sup>®</sup>

## CUTTING HEAD OPTIONS

Pure Waterjet  
Standard Abrasive Waterjet  
Programmable Z-axis  
Dynamic Waterjet<sup>®</sup>  
Dynamic Waterjet<sup>®</sup> XD  
Dual Bridge  
Multiple Cutting Heads

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