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

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.

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.

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.
Mach 700
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.

SPECIFICATIONS & CONFIGURATIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Specification</th>
<th>Value 1</th>
<th>Value 2</th>
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<tbody>
<tr>
<td>Linear Straightness Accuracy</td>
<td></td>
<td>± 0.0015 in per 3 ft / ± 0.0381 mm/m</td>
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<tr>
<td>Rapid Traverse Maximum</td>
<td></td>
<td>1417 in/min / 36 m/min</td>
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<tr>
<td>Repeatability</td>
<td></td>
<td>± 0.001 in / ± 0.03 mm</td>
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<tr>
<td>Z Travel</td>
<td></td>
<td>12 in, 24 in / 305 mm, 610 mm</td>
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<tr>
<td>Base</td>
<td></td>
<td>26 ft, 50 ft, 79 ft / 8 m, 15 m, 24 m</td>
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<tr>
<td>Bridge</td>
<td></td>
<td>13 ft, 16 ft / 4 m, 5 m</td>
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<tr>
<td>Acceleration</td>
<td></td>
<td>0.1 G</td>
<td></td>
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<tr>
<td>Ballbar Circularity</td>
<td></td>
<td>± 0.0025 in / ± 0.0635 mm</td>
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ULTRAHIGH-PRESSURE PUMPS

- HyPlex® Prime rated at 60,000 psi [4,150 bar]
- UltraJet 60,000 psi [4,150 bar]
- HyperJet® rated at 94,000 psi [6,500 bar]

SOFTWARE

- FlowPath™
- FlowCut™
- FlowNest®
- FlowXpert® 2016

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

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