

WJ Series

Waterjet Cutting System

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Features

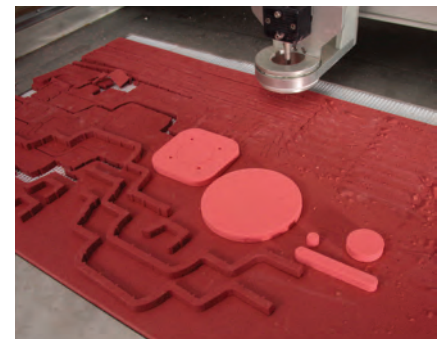
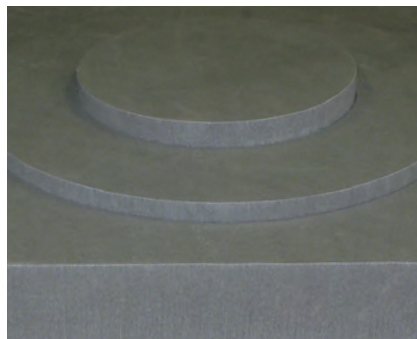
- Fast, efficient cutting up to 600 inches per minute
- High performance digital motion
- Helical rack drive system for smoother motion
- Abrasive capability for heavy duty cutting of steel, aluminum, granite and more
- Online diagnostics
- Low maintenance
- Available options
 - > 50 hp and 75 hp pumps
 - > Dual cutting heads
 - > Bevel cutting
 - > Motorized z-axis
 - > Stainless steel support grids

Gerber Innovations is proud to offer its latest technological breakthrough, the most efficient and productive line of waterjet cutters in the industry.

The WJ1000 cutting system is designed to cut rubber and soft materials very quickly and efficiently. With a top cutting speed of 600 inches per minute at 60,000 PSI, it will easily out-produce other systems available today. The cutting area of 40" x 20" (1016 mm x 508 mm) will accommodate industry standard sheet sizes. A precision dual drive gantry, AC digital motion control and complete cutting enclosure make the WJ1000 an ideal choice.

The WJ2000 is our mid-size table with abrasive cutting capability as an option to allow cutting up to six inch thick steel plate on a cutting area of 50" x 98" (1270 mm x 2490 mm). Our dual drive rack and pinion motion system, positional accuracy and standard 30 hp 60,000 PSI pump make short work of metals, plastics, composite materials, glass and even stainless steel.

The WJ3000 is the largest of our waterjets. Its massive 62" x 122" (1575 mm x 3098 mm) welded steel cutting platform with cantilever arm motion system comes standard with a 30 hp 60,000 PSI hydraulic pump. An upgrade to our high pressure pump options will allow unmatched cutting capability.



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Technical Specifications

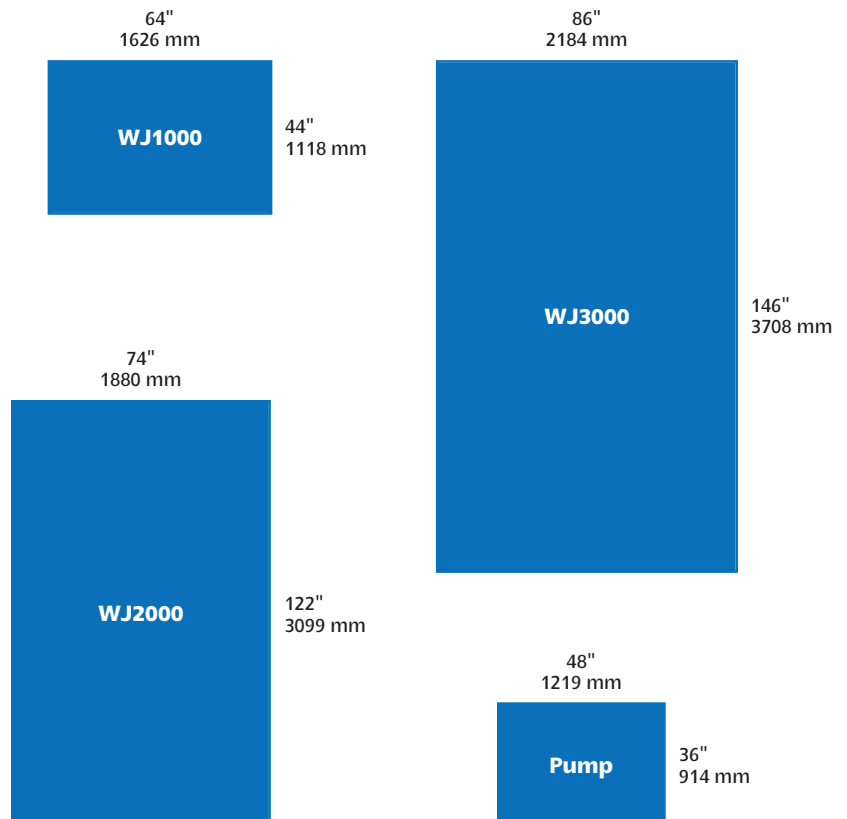
Model	WJ1000	WJ2000	WJ3000
Maximum positioning speed	1500" per minute 3800 mm per minute	1500" per minute 3800 mm per minute	800" per minute 2300 mm per minute
Cutting area	40" x 20" x 3" 1016 mm x 508 mm x 76 mm	98" x 50" x 6" 2490 mm x 1270 mm x 152 mm	122" x 62" x 6" 3098 mm x 1575 mm x 152 mm
Positioning repeatability	+/- .002"	+/- .002"	+/- .002"
Positioning accuracy	+/- .006"	+/- .006"	+/- .004"
CNC control	Industrial CNC core with Windows-based PC front end		
High pressure pump	30 hp@60,000 psi 22.4 Kwatts@4218 kg/sq. cm.	30 hp@60,000 psi 22.4 Kwatts@4218 kg/sq. cm.	30 hp@60,000 psi 22.4 Kwatts@4218 kg/sq. cm.
High pressure plumbing	Stainless steel high-pressure plumbing system		
Z-axis	3" manual	6" manual 6" programmable option	6" programmable
Abrasive cutting	custom	option includes gravity-fed abrasive delivery system with abrasive storage tank	

Technical specifications subject to change.

Overall Dimensions



High Pressure Pump



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