

Infinity Series

The INFINITY waterjet cutting series can be customized in size to fit your needs.

The INFINITY waterjet cutting series is best suited for large areas. The INFINITY waterjet cutting system offers precise cutting of extra-large sheets ranging from 10 ft. to 13 ft. wide by as long as needed, which allows for mass production and cutting of large materials. The INFINITY waterjet cutting series allows you to add multiple gantries and additional Z-axis to enable double production on the same machine and higher running speeds. Like all Semyx models, the INFINITY series features stainless steel covers, a central controller for all modules, and CAM software enhancements.



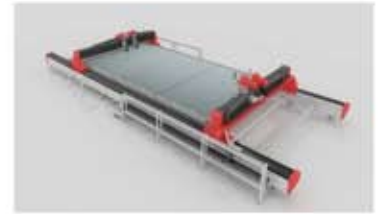
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Special Features

Multiple Gantries

The INFINITY waterjet cutting series allows you to add multiple gantries to multiply production. The X-axis, which uses the rack and pinion mechanism, allows for extended and customized lengths.



Customized Solution


Showing dual Z-axis, one standard head and the other a Semyx tilting head. The INFINITY series allows the customer to choose a waterjet cutting system 10 ft. by 13 ft. wide by as long as the customer needs for their application. The INFINITY series allows for mass production and the cutting of large material.



Rack and Pinion X-Axis

Allows for large and customized cutting area.



							
X-Axis Cutting Stroke mm (in)	3000 (120")	3000 (120")	3000 (120")	3000 (120")	4000 (160")	4000 (160")	4000 (160")
Y-Axis Cutting Stroke mm (in)	4000 (160")	6000 (240")	8000 (472")	12000 (472")	6000 (240")	8000 (315")	12000 (472")
Z-Axis Stroke mm (in)	180 (7")	180 (7")	180 (7")	180 (7")	181 (7")	181 (7")	181 (7")
Footprint Width mm (in)	4500 (177")	4500 (177")	4500 (177")	4500 (177")	5500 (216")	5500 (216")	5500 (216")
Footprint Length mm (in)	6300 (248")	9300 (366")	16800 (661")	16800 (661")	9300 (366")	10800 (425")	16800 (661")
Accuracy mm (in)	0.05 (0.002")	0.05 (0.002")	0.05 (0.002")	0.05 (0.002")	0.05 (0.002")	0.05 (0.002")	0.05 (0.002")
Repeatability	±0.025 (±0.001")	±0.025 (±0.001")	±0.025 (±0.001")	±0.025 (±0.001")	±0.025 (±0.001")	±0.025 (±0.001")	±0.025 (±0.001")
Drivers	AC Servo Motors	AC Servo Motors	AC Servo Motors	AC Servo Motors	AC Servo Motors	AC Servo Motors	AC Servo Motors
Motion for X-Axis	Rack & Pinion	Rack & Pinion	Rack & Pinion	Rack & Pinion	Rack & Pinion	Rack & Pinion	Rack & Pinion
Motion for Y-Axis	Ball Screw	Ball Screw	Ball Screw	Ball Screw	Ball Screw	Ball Screw	Ball Screw



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