

The logo features a large, stylized red 'X' with a white diagonal stripe. To the right of the 'X', the word 'Optima' is written in a white, italicized sans-serif font inside a red rectangular box. Below 'Optima', the word 'Series' is written in a large, bold, red sans-serif font.

The OPTIMA waterjet cutting series is an addition to our Semyx waterjet cutting product line. It provides a vigorous industrial design and rigid construction that combines precision and simplicity. The OPTIMA model is made to handle high production for versatile applications. The OPTIMA has a special waterjet tank feature that allows for extra weight on the tank. Our OPTIMA waterjet cutting system is also equipped with roller bearings, a technology superior in design guaranteeing the longest life possible. The OPTIMA models come in a wide variety of sizes.



For more information please visit our website, www.semyx.com



Special Features

Separate Waterjet Tank

The separate waterjet tank feature allows for extra weight on the tank. This feature also presents the option to have a unique design for the tank utilizing distinctive needs such as the accommodation of extra thick parts or delicate materials.



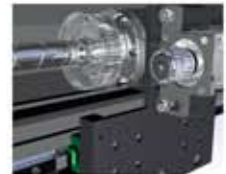
Ball Screws

Precision ball screws feature high reliability and repeatability. They are highly efficient and increase precision and accuracy while reducing motor wear. Other benefits include low friction and noise, backlash elimination is an option, robust design, and customized safety devices with lubricating options.



Precise Rigid Design




Rotary nut for parallel access enclosed in a strong aluminium gantry guided by precision flat guide ways.



Special Stationary Covers

Since there are no movable bellows, the X- and XX-axis special static covers provide a maximum amount of protection over the life time of the component.



			
X-Axis Cutting Stroke mm (in)	2000 (80")	3000 (120")	4000 (160")
Y-Axis Cutting Stroke mm (in)	6000 (240")	2000 (78")	2000 (78")
Z-Axis Stroke mm (in)	180 (7")	180 (7")	180 (7")
Footprint Width mm (in)	3350 (132")	4530 (178")	5650 (222.5")
Footprint Length mm (in)	6800 (268")	2800 (111")	4800 (189")
Accuracy mm (in)	0.1 (0.004")	0.1 (0.004")	0.1 (0.004")
Repeatability	±0.025 (±0.001")	±0.025 (±0.001")	±0.025 (±0.001")
Drivers	AC Servo Motors	AC Servo Motors	AC Servo Motors
Motion for X-Axis	Ball Screw	Ball Screw	Ball Screw
Motion for Y-Axis	Ball Screw	Ball Screw	Ball Screw



1010 Abutment Rd.
Dalton GA, 30721
Phone (706) 529-0123
Toll Free (877) 78-SEMYX
Fax. (706) 529-0124
www.semyx.com