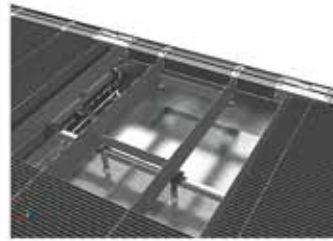


# Phantom Series

The new and improved PHANTOM waterjet cutting series is our flagship series built to last. The precision ground body contains double rails on each side to increase durability and precision. This built to last series is driven by linear motors. In addition, the new PHANTOM waterjet cutting series features a stainless steel waterjet tank, a separate custom tank application that provides flexibility for waterjet transportation with front rollers that allows for protection for easy loading and unloading of materials. The updated PHANTOM waterjet cutting series offers a high ridged gantry with high pressure tubing enclosed in our cable track. Our flagship series comes in standard 324 and 424 tables.



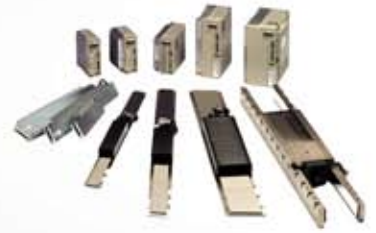
For more information please visit our website, [www.semyx.com](http://www.semyx.com)



## Special Features

### Linear Motors

Semyx high end water jet cutting systems are driven by Yaskawa linear servomotors which improve reliability, speed, and accuracy of the performance. They can reach speeds as high as 5 m (196 inches per second) and reach an astonishing 206 s of maximum acceleration. The linear servomotors are extremely energy efficient, and the effects of the motor's heat being transferred to the other areas of your machine are minimized. The main advantage of using this technology in the Waterjet Industry is to have zero backlash with no mechanical engagement and zero friction from the energy transaction.



### The X- and XX-Axis Special Stainless Steel Stationary Covers

The X- and XX- axis special, stainless steel, static covers provide maximum amount of protection over the lifetime of the component. Also, the stainless steel provides easy access for maintenance purposes.



### Separate Stainless Steel Waterjet Tank

The improved heavy-duty tank design distributes weight evenly across the tank. The newly designed slats have a 3x longer lifetime, allow better gripping of material, give much better support, and reduce the risk of parts falling to the tank bottom. The durable, abrasive-resistant front rollers enable bearings to last longer and assist with loading and unloading of material onto the machine.



X-Axis Cutting Stroke mm (in)

Y-Axis Cutting Stroke mm (in)

Z-Axis Stroke mm (in)

Footprint Width mm (in)

Footprint Length mm (in)

Accuracy mm (in)

Repeatability

Drivers

Motion for X-Axis

Motion for Y-Axis

Max Load Capacity kg/m<sup>2</sup> (lb/ft<sup>2</sup>)



3000 (120")

2400 (95")

180 (7")

4060 (160")

4800 (189")

0.025 (0.001")

±0.005 (±0.0002")

Linear Motors

Linear Motors

Linear Motors

1250 (256)



4050 (158")

2400 (95")

180 (7")

4060 (160")

6000 (236")

0.025 (0.001")

±0.005 (±0.0002")

Linear Motors

Linear Motors

Linear Motors

1250 (256)



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