

Cobra **Series**

The COBRA waterjet cutting series is best suited for large areas. The COBRA waterjet cutting system offers (precise) cutting of extra large sheets up to 16 feet wide which allows for mass production and cutting of large materials. The COBRA waterjet cutting series allows you to add additional cutting heads to enable double production on the same machine and higher running speeds. Like all Semyx models, the COBRA Series features a central controller for all modules and CAM software enhancements.



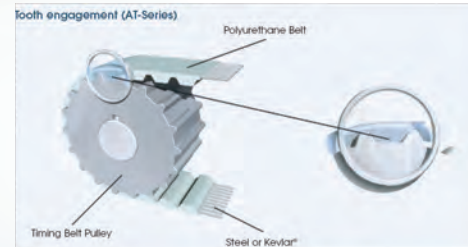
For more information please visit our website, www.semyx.com



Special Features

Special Linear Drive Belt in All Axes

- ATL timing belt is designed for the highest accuracy
- Predictably negative belt length tolerance to allow near perfect length tolerance after proper pre-tensioning
- Larger tension members for the highest tensile strength & spring rate for better repeatability and reduced settling time
- Used with standard AT-Series pulleys (zero backlash pulleys available for highest accuracy)



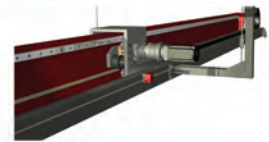
Cutting with Pure Water

With pure water cutting, it is especially easy to cut soft materials with this procedure, including paper products, sealing materials, plastics, foams, textiles, carpets, turf, and food. Pure water cutting is extremely precise: the water jet can be finer than 0.2 millimeter and it allows the cutting of fine contours, sharp angles, and tight radii.



Higher Speed and Acceleration

The COBRA waterjet cutting series has a high cutting speed 0-60m/min with high acceleration to increase production.



Enclosed Cable Track

High pressure tubing enclosed in cable track



	X²⁴⁰ Cobra	X²⁸⁰ Cobra	X⁵¹⁰⁰ Cobra
X-Axis Cutting Stroke mm (in)	4000 (158")*	8000 (315")*	10058 (396")*
Y-Axis Cutting Stroke mm (in)	2000 (78")*	2000 (78")*	4572 (180")*
Z-Axis Stroke mm (in)	180 (7")	180 (7")	120 (4.5")
Footprint Width mm (in)	3360 (132")	3360 (132")	6300 (248")
Footprint Length mm (in)	4970 (196")	10566 (416")	11600 (456")
Accuracy mm (in)	0.2 (0.008")	0.2 (0.008")	0.2 (0.008")
Repeatability mm (in)	±0.05 (±0.002")	±0.05 (±0.002")	±0.05 (±0.002")
Drivers	AC Servo Motors	AC Servo Motors	AC Servo Motors
Motion for X-Axis	Belt Drive	Belt Drive	Belt Drive
Motion for Y-Axis	Belt Drive	Belt Drive	Belt Drive

*The COBRA series is made to order. Sizes may vary based on customer needs. Machines are available as both tank and pit installations.



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