

## TITAN™ Waterjet Systems



ProStar TITAN 320 Waterjet Systems



ProStar TITAN 420 Waterjet Systems



### TITAN Waterjet Cutting Systems

The TITAN waterjet cutting series is the latest addition to the Semyx™ waterjet cutting product line. It provides a vigorous industrial design and rigid construction that combines precision and simplicity. The TITAN model is made to handle high-production for versatile applications. The TITAN has a special waterjet tank feature that allows for extra weight on the tank. Our TITAN waterjet cutting system is also equipped with roller bearings, a technology superior in design, providing a long service life. The TITAN models come in two sizes, for both large and small applications.

SPECIFICATIONS	TITAN 320	TITAN 420
X-AXIS CUTTING STROKE	119 in.	158.6 in.
Y-AXIS CUTTING STROKE	78 in.	78 in.
Z-AXIS CUTTING STROKE	12 in.	12 in.
FOOTPRINT WIDTH	156 in.	156 in.
FOOTPRINT LENGTH	206 in.	246 in.
ACCURACY	±0.002 in.	
REPEATABILITY	±0.001 in.	
DRIVERS AC SERVO MOTORS	AC Servo Motors	
MOTION FOR X-AXIS	Precision roller pinion system (PRS)/Nexen	
MOTION FOR Y-AXIS	Precision roller pinion system (PRS)/Nexen	
TANK LOAD CAPACITY	256 lb/ft <sup>2</sup>	

Specifications may be subject to change. Consult with your Praxair sales representative.

#### SPECIAL FEATURES

- 41 in. high tank with max water height of 37.4 in. reduce cutting noise
- Separated, rigid tank allows for loads on the tank up to 256 lbs./ft<sup>2</sup> providing capacity from delicate to very thick parts
- Elongated bridge bellows with a height of 15 in.
- Patented, grease-free Precision Roller Pinion System (RPS) In X & Y axes outperforms traditional rack and pinion systems
- High-strength, light-weight extruded aluminum helps ensure bridge rigidity and the avoidance of dimension deformation for a maximum middle deflection of 0.37mm with a load of 70kg and safety factor of SF12
- Stainless steel stationary covers (no movable bellows) and X- and XX-axis special static powder coated steel covers provide maximum protection over the life time of the component
- Stainless Steel front tank facade and tank edges for maximum protection
- IP67 Cable System and high-quality components for precision