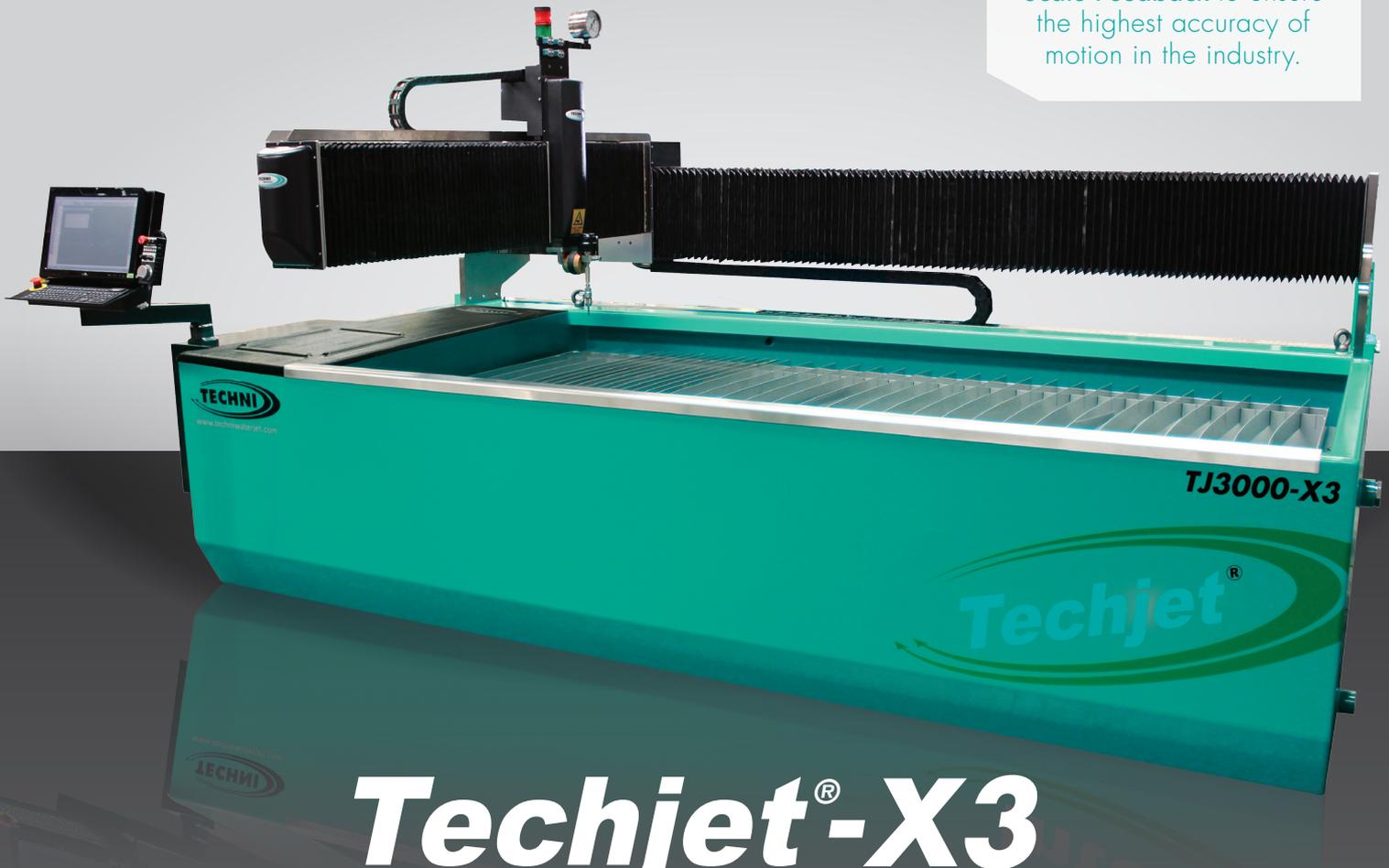




## WATERJET CUTTING SYSTEM

The **Techjet-X3**<sup>®</sup> is built to the highest tolerances and incorporates **Linear Scale Feedback** to ensure the highest accuracy of motion in the industry.



# Techjet<sup>®</sup>-X3

TJ3000 & TJ4000

*The premium series*



[youtube.com/techniwaterjet](https://www.youtube.com/techniwaterjet)



[twitter.com/techniwaterjet](https://twitter.com/techniwaterjet)



[sales@techniwaterjet.com](mailto:sales@techniwaterjet.com)



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Scan the QR code to add TECHNI Waterjet's contact details to your smartphone.



**Innovation Through Passion**

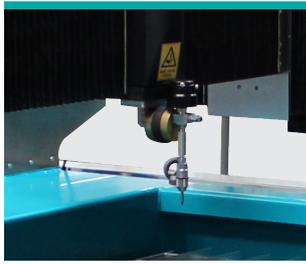
# Techjet®-X3 The premium series

## FEATURES



### REMOTE CONTROL PENDENT (M.PG)

The Remote Control Pendant makes setting up your waterjet machine fast, simple and accurate.



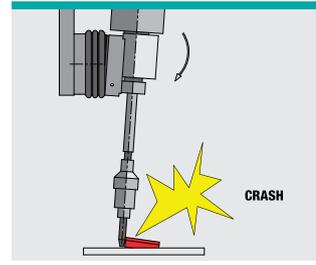
### SERVO Z AXIS

A programmable Z axis with auto height position recall, laser terrain mapping and edge location optics.



### TECH-SENSE™

To monitor the cutting head and pause the program prior to any blockage, making "Lights Out" operation a reality.



### BREAK AWAY HEAD

Eliminates the risk of damaging the cutting head and scraping material in the event of a crash.

## MORE FEATURES

### H.P Gauge

The High Pressure Gauge provides water pressure readings to the user.

### Water Raise/Lower for Submerged Cutting

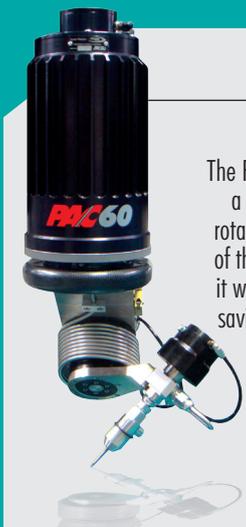
By raising the water level and submerging the material, "the operating noise level" is reduced below safety limits.

### Linear Scale Feedback

This unique feature makes the Techjet X3 range the most accurate waterjet cutting machine on the market.

### Diamond Orifice

A diamond will typically give about 1000 hours of trouble free operation compared to a sapphire of approximately 50 hours.



## PAC60™

### 60 Degree Bevel Cutting

The PAC 60™ is capable of producing parts with a true angle up to  $\pm 60$  deg with continuous rotation. That means regardless of the geometry of the part to be cut, the PAC 60™ will produce it without having to reposition the cutting head, saving time and producing higher quality parts.

Capable of producing parts to tolerances of  $\pm 0.1$  degrees.



## ELECTRIC SERVO PUMP

### Core Technology - Proven & Reliable

### Quantum NXT™ - 55,000 or 66,000 PSI

The TECHNI Waterjet™ Quantum NXT™ incorporates core "direct servo" technology that was first applied by NASA for the Space Shuttle Program.

### Quantum NXT™ Dual - 55,000 or 66,000 PSI

TECHNI Waterjet™ is the first waterjet manufacturer to develop an Electric Servo pump for the waterjet cutting industry.

## TJ3000-X3 SPECIFICATIONS

Machine Size (L, W, H) (Does not include pumps or bulk abrasive hopper)	4200 x 2350 x 2050 mm (14' x 7' 8" x 6' 8")
Machine Weight (empty)	2010 kg (4440 lbs)
Machine Weight (with water)	6800 kg (14990 lbs)
Cutting Table Size	1550 x 3125 mm (5' 1" x 10' 3")
Cutting Area†	1525 x 3050 mm (5' x 10')
Accuracy of Motion*	$\pm 0.025$ mm (0.001")
Repeatability of Motion*	$\pm 0.015$ mm (0.0005")
Max Air Speed	17.5m/min (700 ipm)
Max Cutting Speed	17.5m/min (700 ipm)
Max Material Thickness**	200 mm (8")

Due to constant endeavour to improve the machine, the specification may be changed without prior notice. \*Linear/Axis. \*\* 115 mm (4.5") with PAC60 cutting head option fitted.

† Refer to PAC60 specifications.

## TJ4000-X3 SPECIFICATIONS

Machine Size (L, W, H) (Does not include pumps or bulk abrasive hopper)	4900 x 2650 x 2050 mm (16' x 8' 6" x 6' 8")
Machine Weight (empty)	2330 kg (5140 lbs)
Machine Weight (with water)	8700 kg (19180 lbs)
Cutting Table Size	1860 x 3690 mm (6' 1" x 12' 1")
Cutting Area†	1830 x 3660 mm (6' x 12')
Accuracy of Motion*	$\pm 0.025$ mm (0.001")
Repeatability of Motion*	$\pm 0.015$ mm (0.0005")
Max Air Speed	17.5m/min (700 ipm)
Max Cutting Speed	17.5m/min (700 ipm)
Max Material Thickness**	200 mm (8")

Due to constant endeavour to improve the machine, the specification may be changed without prior notice. \*Linear/Axis. \*\* 115 mm (4.5") with PAC60 cutting head option fitted.

† Refer to PAC60 specifications.