

# EDGE X-3

## MID RAIL GANTRY WATERJET

WITH AQUAVISION  
DI CONTROLLER



**T**he Edge X-3 Mid Rail Gantry 3-axis motion system is the no-nonsense workhorse of the Jet Edge line. With 3-axis cutting capabilities, the gantry supports multiple cutting heads across a range of custom and standard table sizes. Great value, rugged construction, capable of cutting complex parts from virtually any material, this motion system paired with a Jet Edge UHP Pump works across industries.

### MID RAIL GANTRY AT A GLANCE

- Isolated motion system for accuracy
- Preloaded anti-backlash recirculating ball screws
- Linear bearings, hardened precision ground ways
- Protected critical bearing components
- Direct-couple, AC brushless servo motors
- Dual synchronized y-axis drive system
- Scissor arm and whip line high-pressure plumbing
- Technical service and free life-time factory training

### CONTROLS/ACCURACY

- Aquavision DI fully networkable, industrial PC controller
- Digital readout for multi-head positioning
- Full-featured hand-held pendant
- Precision ball screws directly coupled to servomotors
- $\pm 0.001$ " linear positional accuracy over 12" (304mm) per axis
- $\pm 0.001$ " repeatability (bi-directional)
- $\pm 0.003$ " renishaw ballbar tests of squareness and straightness over 24" (608mm)
- SERCOS300 IPM contouring and 500 IPM rapid positioning
- Motorized or servo-motor driven 12" (304mm) vertical travel height control
- Programmable secondary Z carriage, servo-motor driven 12" (304mm) height
- High pressure water monitor and abrasive delivery monitor

### WARRANTY

- 1-year or 2,000 hour warranty
- Extended warranties available
- Life-time product training

### CONFIGURATION OPTIONS

- Multiple 3-axis cutting heads can be mounted
- Additional heads for slitting and secondary operations
- Laser surface mapping
- CAD/CAM nesting software
- Lights out cutting package
- Noise reduction and underwater cutting options
- Stainless steel catcher tank and slat kits
- Splash shields
- Shuttle systems

### ENVIRONMENTAL WATER TREATMENT

- Reverse osmosis for incoming water
- Dual pressure water jet valve
- Eco-friendly, closed loop filtration system
- Closed-loop chiller
- In-line chiller
- Abrasive removal system
- Abrasive hoppers

	SIDE BEAMS	CROSS BEAMS		
STANDARD SIZES	5'	5'	8'	13'
	8'	5'	8'	13'
	13'	5'	8'	13'
	21'	5'	8'	13'
	24'	5'	8'	13'

\*Custom table sizes available