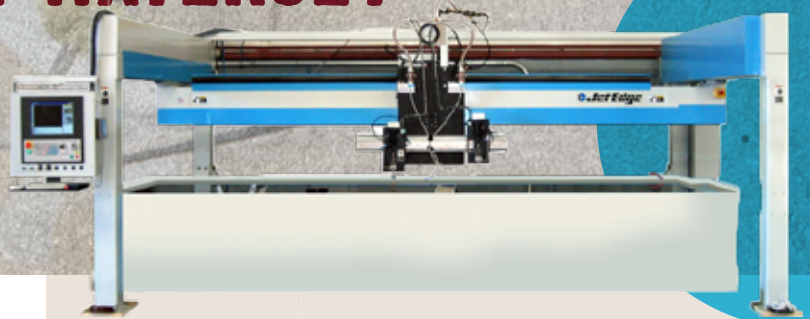


# EDGE X-HR

## HIGH RAIL GANTRY WATERJET

WITH AQUAVISION  
DI CONTROLLER



**T**he High Rail Gantry opens the work envelope for easier access and the overhead design raises critical components out of the processing environment. The isolated motion system and rigid steel beams makes this the most accurate waterjet cutter on the market. With 3-axis and 5-axis cutting options, multi-table sizes and a Jet Edge UHP Pump, you're prepared to cut some serious volume.

### HIGH RAIL GANTRY AT A GLANCE

- Easy access work envelope
- Motion components protected from harsh process environment
- Isolated motion system for accuracy
- Linear bearings, hardened precision ground ways
- Direct-couple, AC brushless servo motors
- Preloaded anti-backlash recirculating ball screws
- 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)
- $\pm 0.0004$ " backlash - max.
- 300-750 countouring and 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 and abrasive delivery monitors

### WARRANTY

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

### CONFIGURATION OPTIONS

- 5-axis cutting head can cut bevels to 60° and eliminate tapers
- Multiple 5-axis & 3-axis cutting heads can be mounted for mirroring capabilities
- 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 value
- Eco-friendly, closed loop filtration system
- Closed-loop chiller
- In-line chiller
- Abrasive removal system
- Abrasive hoppers

	SIDE BEAMS	CROSS BEAMS		
STANDARD SIZES	4'	4'	8'	12'
	8'	4'	8'	12'
	12'	4'	8'	12'
	16'	4'	8'	12'
	24'	4'	8'	12'

*\*More standard and custom sizes available*