

EDGE X-5

5-AXIS WATERJET

WITH AQUAVISION
DI CONTROLLER



Jet Edge's Edge X-5, features 5-axis waterjet cutting that is capable of bevel cutting to 60°. Complex 3D parts, including impellers and gears, can be cut in the hardest materials with a taper-free finish. Controlled with the fully networkable Aquavision DI, the system is optimized with multiple heads, nesting software, laser surface mapping and lights-out cutting. Coupled with a Jet Edge UHP Pump, your system is optimized for your environment.

EDGE X-5 AT A GLANCE

- 5-axis cutting head can cut bevels to 60°
- Isolated motion system for accuracy
- Pre-loaded 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
- ± 0.001 " linear positional accuracy over 12" (304mm) per axis
- ± 0.001 " repeatability (bi-directional)
- ± 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 and abrasive delivery monitors

WARRANTY

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

CONFIGURATION OPTIONS

- Multiple 5-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

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

**Custom table sizes available*