

ULTRA SERIES

DESCRIPTION

The Ultra Series is a high-speed, high-volume CNC glass cutting system designed for large glass fabricators requiring precision, throughput, and reliable automated operation. Built around a true CNC control architecture, the system synchronizes motion control and machine functions for fast, precise cutting and efficient production.

The Ultra Series features servo linear motor drives, the Z-95 servo-controlled cutting head, automatic glass positioning, and an optional automatic cutting wheel changer. Its rigid, lightweight cutting bridge and advanced transport system support high acceleration and reduced cycle times, while integrated diagnostics and an intuitive operator interface simplify operation and maintenance.

HIGHLIGHTS

- ✓ True CNC Control System
- ✓ Low-Maintenance Drive System
- ✓ Architectural, Coating, Mirror, Shower Door, and Specialty Industries

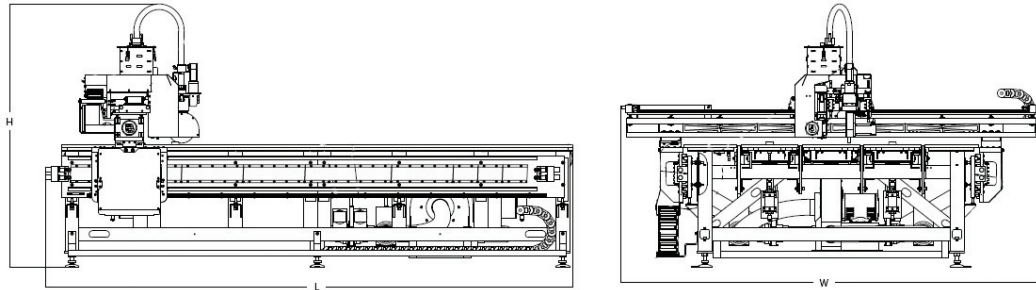
SPECIFICATIONS

-  72" x 96" (1828 x 2438 mm)
108" x 144" (2743 x 3657 mm)
130" x 204" (3302 x 5181 mm)
GLASS AND TABLE SIZE
-  High
VOLUME
-  2.2-19 mm
GLASS THICKNESS
-  7000 IPM (178 m/min)
PROCESSING SPEED
-  36" (914 mm)
TABLE HEIGHT
-  ±0.007" (±0.178 mm)
CUT PATH TOLERANCE
-  Servo Linear Motor
BRIDGE AND HEAD DRIVE





TECHNICAL SPECIFICATIONS



FEATURES

- ✓ Unlimited Contour Cutting
- ✓ BatchBan™ Optimization Software (Optional)

AUTOMATIC CUTTING OIL DELIVERY

Proportionally controlled oil delivery adjusts with cutting speed for consistent lubrication.

AUTO EDGE DETECTION (OPTIONAL)

Automatically detects the glass edge for precise positioning and cutting, while the optional servo-controlled edge deletion system removes Low-E coating along planned cut lines for downstream processing.

- ✓ Operator-Friendly Interface
- ✓ Batchless Real-Time Software (Optional)

MAGNADRIVE™ SYSTEM

Patented drive technology provides precise, smooth glass positioning and cutting performance.

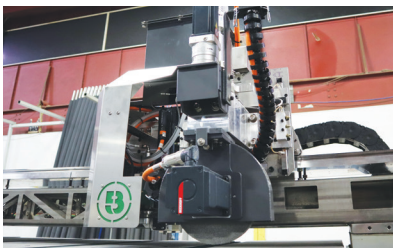
AUTO WHEEL CHANGER (OPTIONAL)

Four-station tool changer automatically selects and changes cutting wheels based on glass thickness and wheel life.

- ✓ Integrated Self-Diagnostics

Z-95 CUTTING HEAD

Servo-controlled height adjustment and cutting pressure control improve accuracy and reduce operator intervention.



Z-95 Cutting Head with Edge Deletion



Cutting Head