

WIDE BELT SERIES

DESCRIPTION

The Wide Belt Series is a high-speed, high-volume glass cutting system designed for large glass insulators. Its single wide-belt design provides fast, continuous glass positioning without the up-and-down belt movements associated with traditional CNC cutting tables, helping reduce cycle times and minimize premature breakout.

The system combines Billco's patented Magna Drive technology, Z-95 servo-controlled cutting head, and precision aluminum cutting surface to deliver accurate, repeatable cutting performance. An intuitive operator interface simplifies machine operation, while the low-maintenance drive system and self-cleaning belt help reduce routine maintenance and keep production moving.

HIGHLIGHTS

- ✓ Seamless Integration
- ✓ Low-Maintenance Drive System
- ✓ Single Belt Design
- ✓ Insulating, Coating, Mirror, Shower Door, and Specialty Industries

SPECIFICATIONS

-  72" x 96" (1828 x 2438 mm)
108" x 144" (2743 x 3657 mm)
GLASS AND TABLE SIZE
-  High
VOLUME
-  0.5-19 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





FEATURES

✓ Unlimited Contour Cutting

SINGLE BELT DESIGN

Provides fast, continuous glass positioning while minimizing movement and reducing the risk of premature breakout. The belt design avoids positioning glass seams over the cutting surface.

SELF-CLEANING BELT

Integrated cleaning brush removes glass debris from the belt during operation, reducing maintenance requirements.

AUTO WHEEL CHANGER (OPTIONAL)

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

✓ Operator-Friendly Interface

MAGNADRIVE™ SYSTEM

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

ALUMINUM PLATE SURFACE

Anodized aluminum plate provides a stable, durable surface for accurate cutting and tight tolerances.

✓ Batchless Real-Time Software (Optional)

Z-95 CUTTING HEAD

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

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.



Z-95 Cutting Head with Edge Deletion



Auto Wheel Changer



Self-Cleaning Single Belt Design