



Billco Teams

A Distribution & Service Company

AUTOMATIC CUTTING LINE

DESCRIPTION

The Automatic Glass Cutting Line delivers precise straight and shape cutting of float glass using advanced diamond wheel technology. Complete with an automatic loading system and glass breakout table, it provides efficient, accurate performance from loading through cutting.

The intelligent loading system automatically retrieves glass from racks on both sides of the line, while the CNC-controlled system optimizes cutting speeds and minimizes axis movement to reduce cutting and grinding times. Built with a durable, stable design, the line helps lower operating costs and maximize productivity. Each system can be configured to fit your production requirements and plant layout.

SPECIFICATIONS



146" x 100" (3700 x 2550 mm)
240" x 126" (6100 x 3210 mm)
319" x 130" (8100 x 3300 mm)
MAX GLASS SIZE



492 FPM (150 m/min)
PROCESSING SPEED



3-19 mm
GLASS THICKNESS



±0.20 mm
TOLERANCE



2+1, 3+1, or 4+1
BREAKER BARS

HIGHLIGHTS

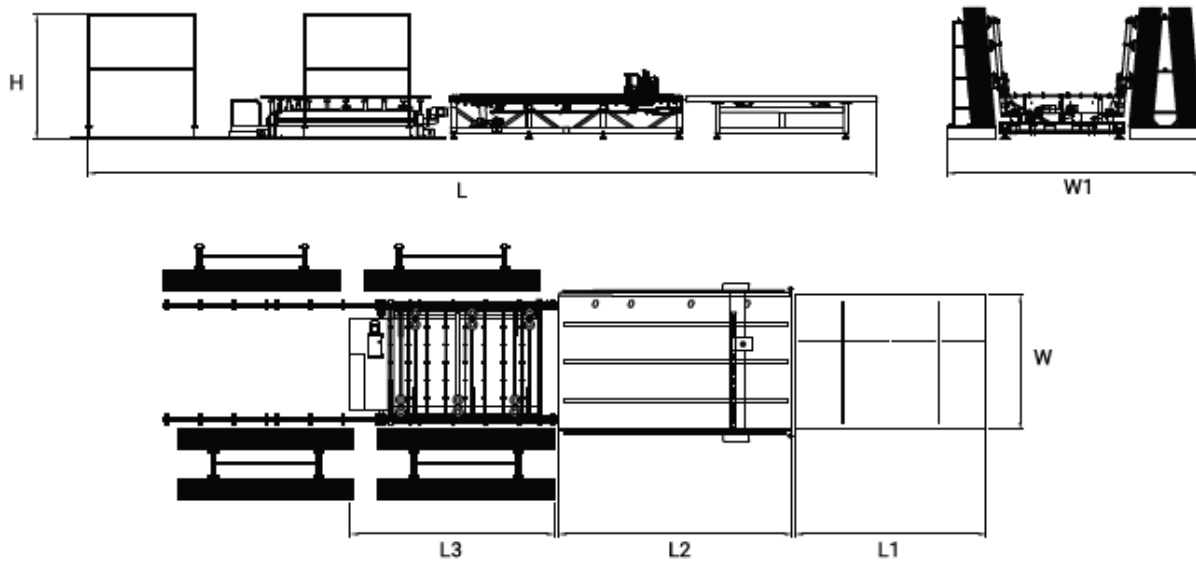
- ✓ Fast, Accurate, and Stable Cutting
- ✓ Auto Loading from Both Sides
- ✓ Robust Structural Design





TECHNICAL SPECIFICATIONS

	W	L	H	W1	L1	L2	L3
FCL 3700	112.20" (2850 mm)	669.23" (17000 mm)	104.33" (2650 mm)	196.85" (5000 mm)	157.48" (4000 mm)	204.72" (5200 mm)	181.10" (4600 mm)
FCL 6032	145.67" (3700 mm)	1053.15" (26750 mm)	133.86" (3400 mm)	354.33" (9000 mm)	275.59" (7000 mm)	283.46" (7200 mm)	244.09" (6200 mm)
FCL 8000	224.41" (5700 mm)	1377.95" (35000 mm)	141.73" (3600 mm)	433.07" (11000 mm)	354.33" (9000 mm)	362.20" (9200 mm)	322.83" (8200 mm)



SYSTEM CONFIGURATION

UNSTACKER

The Unstacker is designed for automatic removal of vertically positioned glass plates on stock stands. The machine then transfers them horizontally to the cutting table. Features include:

- ✓ Double Side Glass Loading
- ✓ Precise Positioning System
- ✓ Adjustable Suction Cup Structure according to Glass Height
- ✓ Low-Impact Glass Loading System

AUTOMATIC CUTTING TABLE

The Automatic Glass Cutting Table is designed for cutting rectangular and shaped lites. Features include:

- ✓ Maximum Precision with Superior Cutting Tolerance
- ✓ Fast, Powerful and Stable Cutting Performance
- ✓ Automatic Cutting Speed Adjustment
- ✓ Automatic Diamond Wheel Pressure Adjustment according to Glass Thickness and Shape
- ✓ Minimum Axis Movement and Waste through Cutting Optimization



Auto Cutting Table



Dual-Sided Unstacker

BREAKOUT TABLE

Billco Teams Breakout Tables are designed for breaking and sorting glass lites and unloading large-sized glass sheets. Features include:

- ✓ Manual Glass Breaking and Separation Process on X and Y Axes
- ✓ Minimum Surface Friction through Air Cushion System
- ✓ Available in Fixed or Tilting



Tilting Breakout Table



FEATURES

- ✓ Automatic Glass Alignment
- ✓ Glass Optimization Software

AUTOMATIC STRAIGHT AND SHAPE GLASS CUTTING

Cut straight lines and complex shapes with precision using a single system. Patterns can be selected from the built-in shape library, imported from DXF files, or sent directly from glass optimization software.

VINYL FILM CUTTING (OPTIONAL)

A specialty cutting wheel automatically cuts vinyl film-applied glass without compromising cut quality.

- ✓ Recipe Management
- ✓ Operator Panel

AUTOMATIC SPEED AND PRESSURE ADJUSTMENT

Automatically identifies glass type and applies the optimal cutting speed and pressure to deliver maximum productivity and superior cut quality.

MARKING SYSTEM (OPTIONAL)

Automatically identifies and labels each cut glass piece for improved production tracking and workflow management.

- ✓ Remote Access System

EDGE DELETION

An integrated servo-driven grinding wheel provides wider and highly precise Low-E coating removal along glass edges for insulating glass production.



Auto Glass Alignment



Edge Deletion Wheel