



AUTOMATED GLASS PROCESSING LINE

Billco's Automated Glass Processing Line optimizes the loading, cutting, breakout, remnant storage, and sorting systems. The line is modular to work in various facility layouts, with minimal staffing needed to operate.

Processing Capabilities

- Cutting Table Size(s): 108" x 144"
- Glass Thickness Range: 2.2-19mm
- Maximum Remnant Size: 108" x 144"
- Standard Rack Slots: 24 per rack
- Glass Lite Capacity Per Slot: Up to 3 pieces per slot
- Optional Slots: Unlimited
- Minimum Breakout Size: 12 in. by 12 in.
- Cullet Grinder Integration Available

PRIORITIZES OPERATOR SAFETY

OPTIMIZES GLASS FLOW

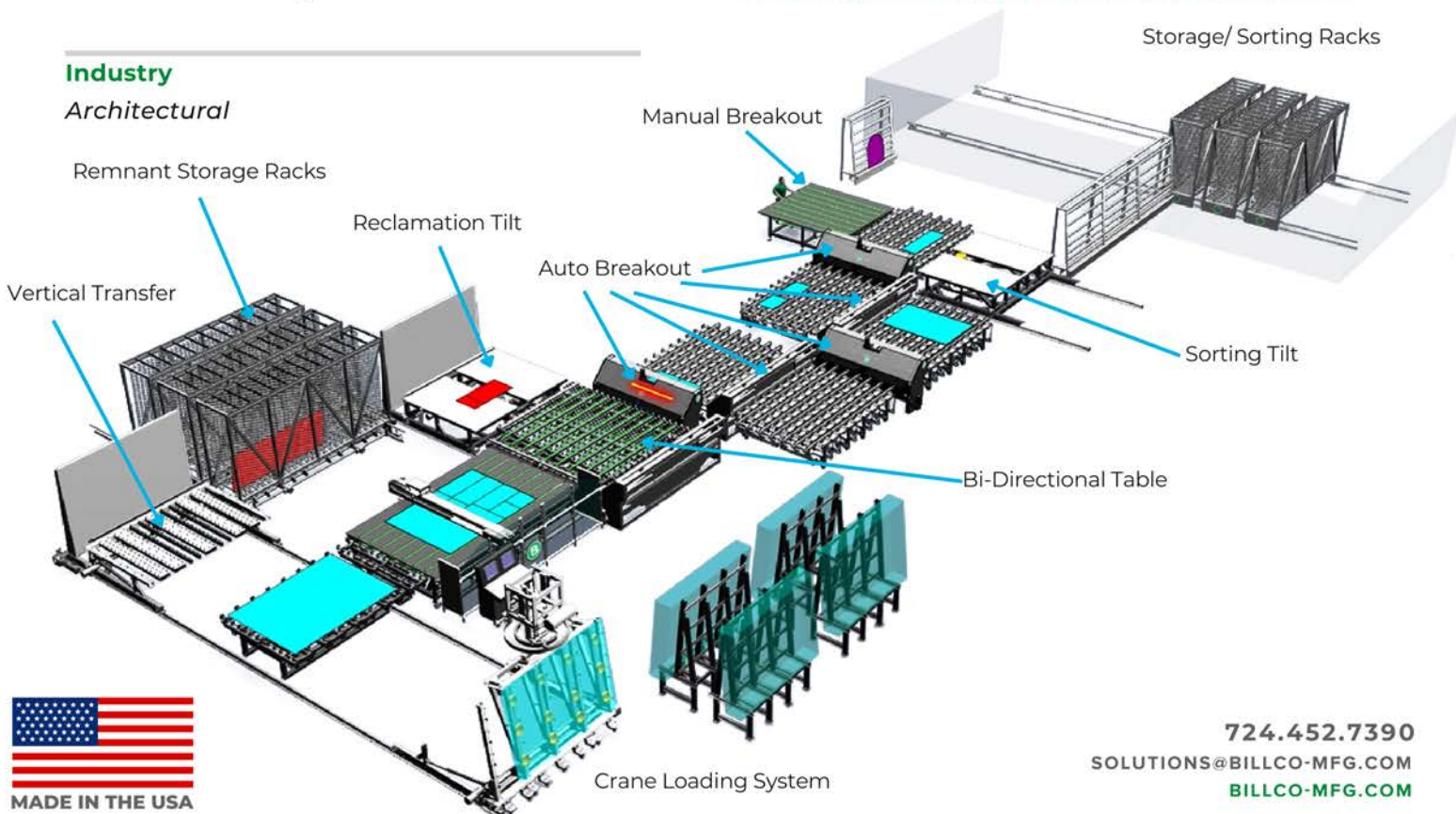
MINIMIZES IDLE TIME

SAVES GLASS, LABOR AND MONEY

[More Key Advantages and Component Details >](#)

Industry

Architectural



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*Patent Pending

AUTOMATED PROCESSING LINE

BILCO HANDLING SYSTEMS

Key Advantages

Competitive Return On Investment: Saving and reclaiming remnant improves your bottom line directly

Optimizes Glass Flow: Minimizes idle time through powerful optimization software

Prioritizes Operator Safety: Reduces glass handling, keeping operators at a safe distance

Expandable Design: Modular, flexible design can accommodate growing production needs

Multi-Slot Storage Capacity: Stores up to 3 lites of glass per slot, maximizing capacity

Seamless Automated Remnant Reclamation: Removes operator handling and opportunity for error

Reduces costly and unnecessary labor dealing with oxidation

Automated Processing Line Components

LOADING OPTIONS - Compatible with any loading option whether it is pre-existing or new with your Remnant Storage system. Common loading options include:

- Automatic Free Fall System
- Crane Loading System
- Automatic Unstacking System

BI-DIRECTIONAL & RECLAMATION TILT - The Bi-Directional Table is located directly after the cutting table and before the Manual Breakout Table. The table serves as a transfer point where the remnant is automatically separated. The sub-plate is sent to the Manual Breakout Table, while the remnant is transferred to the Reclamation Tilt.

STORAGE RACK & SHUTTLE - The Storage Rack is where remnants will be indexed and stored for future use. The rack is located between the Reclamation Tilt and Vertical Transfer. Each slot is capable of indexing up to 3 remnants per slot depending on the remnant size, maximizing the capacity of the rack. The system seamlessly tracks the age of coated glass reducing costly unnecessary labor dealing with oxidation.

VERTICAL TRANSFER WITH TILT LOAD - The Vertical Transfer with Tilt Load retrieves glass from the Storage Rack when a remnant is needed and transfers it from a vertical to a horizontal position and delivers it to the cutting line. The dual-sided transfer makes it easy to retrieve the glass from the first zone when multiple lites are stored in a single slot. The non-wanted remnant is removed from the slot and held on the back side of the transfer, while the desired remnant is retrieved on the front side. The non-wanted glass will be re-indexed and the remnant will be transferred.

ULTRA SERIES CUTTING SYSTEM - Billco Ultra Series Cutting System includes an Integrated Breaker Bar. The robust design and powerful cutting head deliver smooth and precise acceleration and deceleration for a powerful combination of performance and reliability. The system works seamlessly with HP3 Software's patent-pending Sub Plate Cutting Software.

AUTO BREAKOUT & SORTING - Smart optimization for glass breakout and intelligent sorting farm.

AUTOMATED HARP RACK VEHICLES - Automatically transfers a train of harp racks from one process to another on the production floor using Billco's new Automated Harp Rack Handling with Seegrid's Vision Guidance Technology. The self-driving vehicles give fabricators an automated and safe way to reliably handle glass with ease and keep production moving seamlessly.

Billco Services

Billco provides the backbone for flat glass production lines—large and small—with high-quality American-made equipment and 24 | 7 | 365 never-fail relationships. Our stability and expertise is proven with high customer satisfaction ratings, uptime statistics, impressive ROI, and a multi-million dollar inventory of ready-to-ship replacement parts. Our Solution Specialists, 24 | 7 | 365 Technical Support, and Replacement Parts Team are fully dedicated to keeping your line moving. Call or visit our website for more information.

ON CALL

24 | 7 | 365

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