Billco’s Remnant Storage Solution automatically identifies, stores, and reclaims remnants providing maximum cutting efficiencies and optimal yields, while minimizing unnecessary handling.

**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

**Industries**
- Architectural

**More Key Advantages and Component Details >**

*Patent Pending*
REMNNANT STORAGE SOLUTION

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
Tracks Coated Glass Aging Effectively: Reduces costly and unnecessary labor dealing with oxidation
Eliminates Commonly Neglected Offal Storage Carts

DRIVEN BY POWERFUL OPTIMIZATION SOFTWARE, BILLCO’S REMNANT STORAGE SOLUTION WILL IMPROVE YIELDS

Remnant Storage Components

LOADING OPTIONS

The Remnant Storage Solution is compatible with any loading option whether it is pre-existing or new with your Remnant Storage system. Common loading options include:

- Automatic Unstacker
- Crane Loading System
- Automatic Free Fall System
- Back Fed Manual
- Back Fed Automatic

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.

An optional sub-plate cutting mode provides the ability to cut portions of a stock sheet and release it to breakout before the entire sheet is finished scoring. This streamlines glass flow, maximizing the cutting yield.

The Reclamation Tilt sits adjacent to the Bi-Directional Table and claims the remnant once separated. In order to orient the glass for the Storage Rack, it can rotate the glass 90° so the long edge is down. The table then tilts to a vertical position and deposits the glass in the Storage Rack.

*Patent Pending

*The modular, flexible and expandable design permits almost limitless configuration possibilities. Here are a few common layouts based on your need for automation and space considerations.*
DRIVEN BY POWERFUL OPTIMIZATION SOFTWARE, BILLCO’S REMNANT STORAGE SOLUTION WILL IMPROVE YIELDS AND GENERATE A STRONGER BOTTOM LINE, WHILE KEEPING OPERATORS SAFE.

**STORAGE RACK & SHUTTLE**

The Storage Rack is where remnant will be indexed and stored for future use. The rack is located between the Reclamation Tilt and Vertical Transfer.

The rack module can be easily expanded to provide as many storage locations as needed given there is sufficient floor space. 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 remnant is needed and transfers it from a vertical to horizontal position and delivers it to the cutting line.

The dual sided transfer makes it easy to retrieve 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.

Remnant was retrieved from the Storage Rack and is currently being transferred via the Vertical Transfer to the Cutting Table for processing.
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.