



**Billco®**

**SOLUTIONS**  
.....  
*EQUIPMENT*  
*CATALOG*

**MOVING** | **GLASS**  
**FORWARD**

**WASHING CUTTING LAMINATING LOADING & STORAGE HANDLING INSULATING TEMPERING DATA**



## COMPANY INTRO

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At Billco we aim to be an integral partner in helping manufacturers successfully execute projects, achieve optimal returns on investment, and generate profits.

**”** *It is our mission to devise optimal solutions for every customer's unique project. From the onset of a project, to final installation, and after the sale support, Billco is dedicated to meeting and exceeding expectations.”*

**CUSTOMIZING SOLUTIONS SINCE 1948**

# CUSTOMERS AROUND THE GLOBE

Our customers range from small family owned glass shops looking to automate glass processing to high volume, to multi-national corporations with fully automated facilities running 24/7/365.

Our equipment is designed to support architectural, automotive, coating, mirroring, photovoltaic, shower door and specialty flat glass fabricators as well as manufacturers in the metal industry.



**BILCO ACTIVELY SERVICES EQUIPMENT IN NEARLY 50 COUNTRIES**

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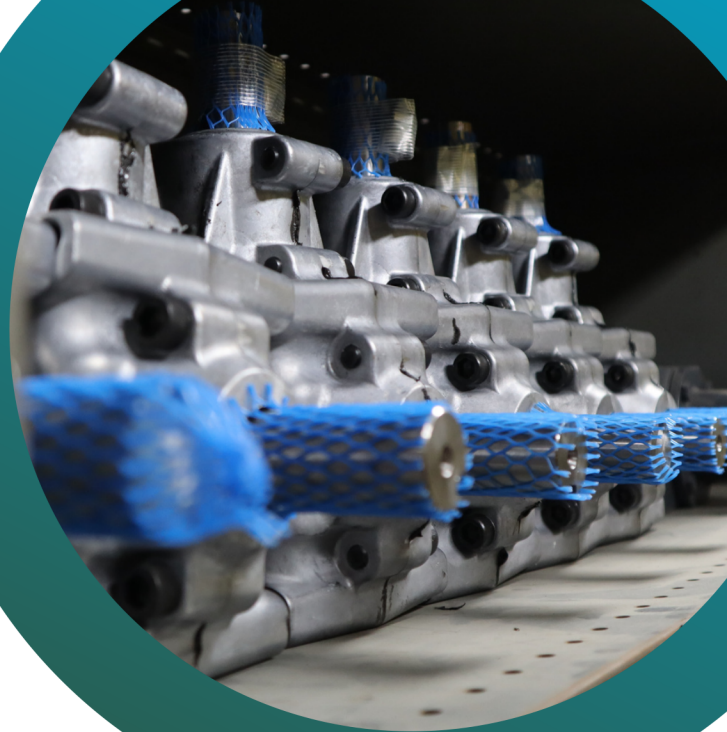
## **PRODUCTS**

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# BILCO CUTTING SYSTEMS

Billco has been instrumental in advancing glass cutting technology since 1972 when we invented the world's first NC-XYZ shape cutting system. Our ongoing innovation includes developing cutting systems that are smarter, faster, and more maintenance-friendly, making them a more integral component to your bottom line success.



The **Ultra Series Cutting System** has an improved cutting head and a larger drive system; delivering a powerful combination of performance and reliability. This cutter is designed to produce a high volume of cut glass. The benefit of the Linear Motor drive system includes fewer mechanical parts, smooth and quiet movement, and improved cutting accuracy/tolerance.



The **Dual Head Ultra Series** is a high production system specifically designed for large volume insulating glass producers. This machine will cut both lites of glass for a window at the same time, permitting ease of glass racking and eliminating the wait for the second lite.



The **M-Series Glass Cutting System** is designed for high-speed, high-volume demands. This cutter provides the precision, productivity, repeatability, and longevity that is required for specialty processes.

# BILCO WASHING SYSTEMS

For more than 70 years, Bilco has been a world leader in washing technology for flat glass fabricators. Designed for ease of maintenance, reliability, and longevity, our washers have an unrivaled average lifespan of 30+ years, making them the cornerstone of many production lines.



The **Foundation Series Washer** by Bilco is described as consistent, low maintenance, and durable. This washer is meant to support a mid to high volume of production output depending on your requirements and is offered in a 96" working width.



Bilco's **Vertical Series** is a high-speed, vertical glass cleaning system for high-volume flat glass processors. Capable of operating independently or integrating into a new or existing line. Offered in sizes 60", 96".



# BILCO WASHING SYSTEMS

From critical cleaning applications, including ultrasonic requirements, to demanding 24 | 7 | 365 operations, Billco has the solution.




The **Z-Series** is engineered to sustain an optimum level of cleaning over years of continuous use, with easy access to internal components for cleaning and maintenance for minimum downtime. Offered in sizes, 70" 96" 110" 132".



The **310 Z-Series** is our premium 48" and 60" washer. The Z-Series platform is a high-performance glass cleaning system focused on the bottom line. Intelligent maintenance features and process control help to place this washer above others.

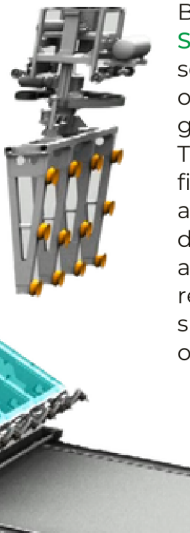


The **EH Series** is an entry level glass cleaning solution designed for low- to mid-volume glass fabricators wishing to automate glass cleaning at a low capital investment. Offered in 60" and 84" working widths.



# BILCO LOADING & STORAGE SYSTEMS

Billco offers a wide range of intelligent systems capable of safely and efficiently loading, transporting, handling, and storing your glass. From air float breakout tables to automatic free fall systems; our flexible and customizable options will integrate seamlessly into your operation.



Billco's **Crane Loading System** is a complete solution for storing, organizing and loading glass to the cutting table. The system may include fixed racks and/or automated compact drawer storage. This fully automated system retrieves and loads single sheets of glass without operator intervention.



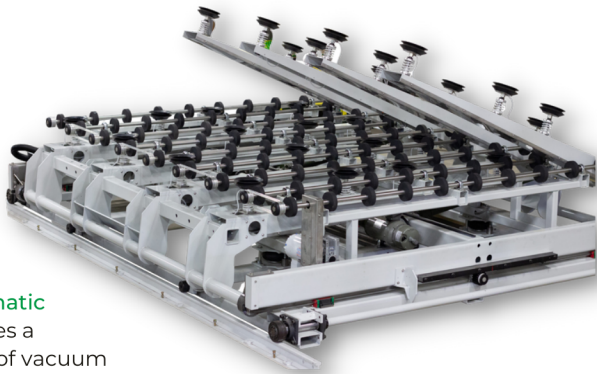
The **Remnant Storage Solution** automatically identifies, reclaims, stores, and reintroduces remnant lites to the cutting table. This storage solution improves cutting yield, minimizes unnecessary handling, and eliminates operator error. Better yet, it removes carts full of glass that, despite the best of intentions, never get used.



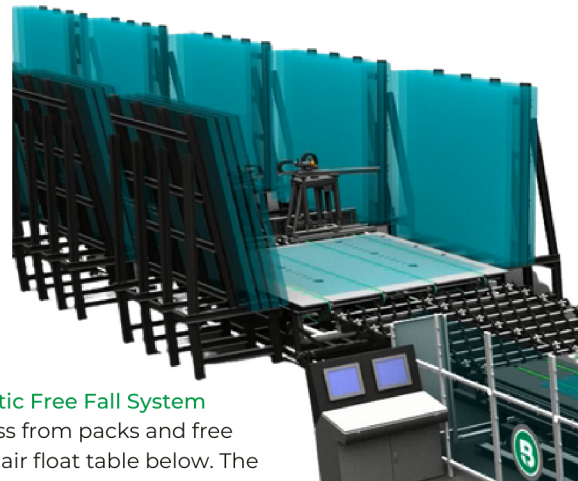


# BILCO LOADING & STORAGE SYSTEMS

Billco offers a wide range of intelligent systems capable of safely and efficiently loading, transporting, handling, and storing your glass. From air float breakout tables to automatic free fall systems; our flexible and customizable options will integrate seamlessly into your operation.



Billco's **Automatic Unstacker** uses a combination of vacuum cups and sensors to identify and retrieve glass from a vertical pack and transfer it to a horizontal position for downstream processing.



The **Automatic Free Fall System** retrieves glass from packs and free falls it to the air float table below. The glass is then squared and conveyed to the glass cutting table for processing.

# BILCO HANDLING SYSTEMS

Billco offers a wide range of intelligent systems capable of safely and efficiently loading, transporting, handling, and storing your glass. From air float breakout tables to automatic free fall systems; our flexible and customizable options will integrate seamlessly into your operation.



Various **Caster Tables** are available to assist in the safe and efficient handling of your insulated glass units. Tilting Caster Tables are easily customized for any glass handling solution.



Billco offers a range of **Conveyors** to safely and efficiently transport your glass products from one point to another. Conveyor options include but are not limited to:

- Staging Conveyors
- 90 Degree Transfer Conveyors
- Quad Transfer Conveyors
- Conveyors with Pop Up Decks

...and more

# BILCO INSULATING SYSTEMS

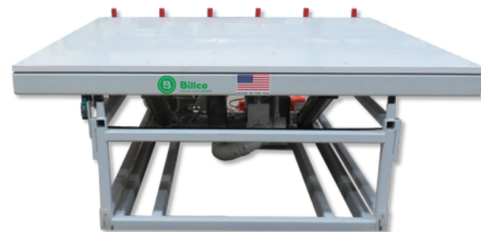
If manufacturing insulated glass is at the core of your business, our heat presses, cold presses, application tables, and other supporting equipment should be at the core of your IG line. Rely on Billco's well-known reputation to supply quality equipment to maximize your profits.



Billco offers **Heat Presses** for both Intercept® spacer systems as well as flexible spacer systems. It is designed to rapidly heat and press any IG Unit spacer system with precision. The Heat Press is fully automatic and offered in working widths of 60", 84" and 96".



The **Cold Roll Press** rapidly and uniformly compresses the primary sealing of an insulating glass unit to assure proper "wet-out" and bonding of the spacer sealant to the glass. The Cold Roll Press is offered in both an 84" and 96" working width.



Billco's **AirGlyde Tilting Assembly Table & the AirGlyde Application Tables** aids in the assembly of insulating glass units and grid insertion.





# BILCO LAMINATING SYSTEMS

Billco's Lami-Pro is a customizable laminating assembly line built for producing high-quality laminated glass. The line is designed to clean glass, assemble, heat, and pre-press the laminated unit prior to autoclaving. Billco has been a leading supplier of laminating equipment since the 1970s, with assembly lines in operation today from their original installation date of 40 years ago.



## Key Advantages

**Modular Design:** Allows for custom line configurations and drop-in replacement options

**Precision Recipe Line Control:** Simplifies operation and maintains complete control of all aspects of the line

**IR Heating Technology and Convection:** Precise temperature control for a consistent, high-quality laminate

**Minimal Energy Consumption:** Lowers production costs

**Turnkey Solutions Available:** Billco can furnish all supporting equipment such as PVB cutter, clean room, and autoclave

**Dual Roll Press:** Double press available to uniformly press the unit



# DATA SYSTEMS

Billco releases new and innovative technology to better serve our customers. One of the newest systems introduced to Billco is Process Data Collection. Reach out to a solution specialist for more information.



**Billco Data Systems** offers independent solutions to process monitoring, for a range of measurands, with data collection that can be displayed or downloaded from a web browser.

## Monitoring Capabilities:

Analog Sensors	Digital Sensors
pH	Incoming Plant Water
Temperature	Incoming DI Water
Environmental Conditions	Valve Status
Humidity	Glass Sensors for Process Times
Ambient Temperature	
Atmospheric Pressure	
Blower Pressure	

# BILCO REPLACEMENT PARTS

To keep your machinery in its best condition and running most efficiently, the Billco Replacement Parts Team manages a multi-million dollar inventory of ready-to-ship items and coordinates the fulfillment of thousands of parts.

The **Billco Essentials** program supplies you with common replacement parts that are subject to routine wear and recommended for general stocking. When you purchase equipment from



Billco, we are invested in your success. It is our job to make sure your machine performs optimally. The program is offered currently on the following machines: Foundation Series Washers (96"), Z-Series Washers (96").



Team up with our **Replacement Parts Team** for

**OEM Direct Components.** Maintain the integrity of your investment with 100% factory direct replacement parts.

**Expert Support.** Let our experts diagnose and recommend the parts you need to get your machine running optimally.

**Quick Turnaround.** We know time is money. We will do everything we can to make sure any downtime is minimized.

**Consumable Parts to Complete Rebuilds.** There is no request too small or too large that we are not equipped to handle.

# BILCO SERVICES

Beyond the initial installation of your equipment, our Service Team remains available to you 24 | 7 | 365 to keep your line running with virtually no unplanned downtime. Billco Service Team members have an average of 20 years of experience.



Our technicians provide preventive maintenance, troubleshooting, and emergency response for as long as you own the machine.



Our service team can train your team and guide you on efficiency-tracking practices. Cleaning and maintenance training can help prolong the life of your equipment.



Service Team Members can collaborate with our 24|7|365 partner software provider HP3 on your behalf.





**MADE IN THE USA**

## **DRAWING ON MORE THAN 75 YEARS OF EXPERIENCE**

PARTNER WITH THE PREMIER EXPERTS IN CUSTOMIZING, DESIGNING, AND  
MANUFACTURING PREMIUM AMERICAN-MADE, WORLD-RENOWNED  
EQUIPMENT FOR FLAT GLASS FABRICATORS.



**Billco®**

**MOVING GLASS FORWARD.**



Located about 30 miles  
North of Pittsburgh.

100 Halstead Boulevard  
Zelienople, PA 16063 USA



Customer support  
24 | 7 | 365

Office: 724-452-7390  
Fax: 724-452-0217



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Billco Manufacturing?

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email: [solutions@billco-mfg.com](mailto:solutions@billco-mfg.com)