



Billco Teams
A Distribution & Service Company

BILCO TEAMS

SOLUTIONS CATALOG

WASHING | CUTTING | INSULATING | SPACING | SEALING | EDGEWORKING | TEMPERING

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ABOUT US

At Billco, we strive to be a vital partner for manufacturers, helping them execute projects successfully while maximizing returns on investment and driving profitability.

Billco Teams is a forward-thinking initiative launched by Billco Manufacturing. Leveraging our strong industry partnerships, we strive to elevate the glass industry by introducing cutting-edge solutions. Our dedicated team of Billco Support Specialists are committed to providing exceptional support and guidance 24 | 7 | 365.

Driven by a relentless pursuit of excellence and innovation, we continuously expand our capabilities and bring innovative solutions to market. With our extensive industry experience and unwavering commitment to customer satisfaction, we are confident in our ability to keep the glass industry moving forward.



WASHING SOLUTIONS



The **Vertical Glass Washer** washes and dries glass for insulating glass and other processing applications. Separate washing and drying sections, stainless steel construction, and soft Low-E brushes provide reliable, high-quality cleaning for clear and coated glass. A filtered air drying system delivers consistent, streak-free results.



The **iSeries** safely cleans Low-E glass, coated glass, solar glass, and clear float glass without scratching, delivering consistent, high-quality results for demanding production environments. A compact top mounted blower and side-mounted air filter provide a space-saving design while allowing easy inspection and maintenance.

CUTTING SOLUTIONS



The **Automatic Cutting Table** delivers fast, accurate cutting of both straight and shaped float glass. Designed for high-volume production, the CNC-controlled system automatically detects the glass position and optimizes cutting paths to maximize speed, accuracy, and efficiency. An optional Low-E edge deletion system removes soft Low-E coatings with exceptional precision prior to further processing.



The **Tilting Cutting Table** provides manual breaking and handling of large glass sheets. A hydraulic tilting system simplifies loading and positioning, while pneumatic X and Y breaker bars enable fast, accurate glass separation. The felt-covered surface protects glass during handling.



The **Laminated Glass Cutting System** is a semi-automatic system designed for precise laminated glass cutting. An air cushion system assists with loading and positioning, while dual cutting heads simultaneously score both glass surfaces. Integrated heating softens the interlayer, followed by separate breaking rollers for clean, accurate separation.

CUTTING SOLUTIONS



The **Automatic Cutting Table with Loading Arm** provides high-speed, automatic straight and shape cutting of float glass using precision diamond wheel technology. Vacuum loading arms automatically load glass from the stock rack while preparing the next sheet during cutting to maximize productivity. An optional Low-E edge deletion system is available for soft-coated glass.



The **Automatic Cutting Line** delivers precise straight and shape cutting of float glass using diamond wheel technology. Automatic loading retrieves glass from racks on both sides, while CNC optimization adjusts cutting speeds and minimizes movement for streamlined, high-quality production from loading through breakout.

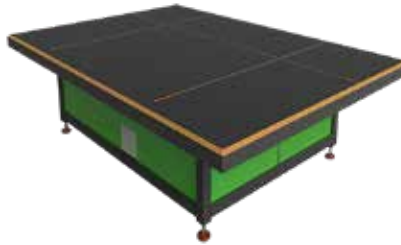


The **Unstacker** automatically loads glass from vertical storage racks and positions it for downstream processing. Electric loading arms with adjustable vacuum suction cups safely transfer glass from vertical to horizontal orientation. Dual-sided loading and automatic rack selection improve handling capability, safety, and productivity.

CUTTING SOLUTIONS



The **Tilting Breakout Table** is designed for manual glass breakout, loading and unloading of large glass sheets. A hydraulic tilting system simplifies handling, while pneumatic X and Y breaker bars provide fast, accurate glass separation. The felt-covered surface allows smooth movement while protecting the glass from damage.



The **Fixed Breakout Table** is designed for manual breakout and safe separation of cut glass sheets. Pneumatic X and Y breaker bars, operated by foot pedal, provide efficient glass separation, while the felt-covered surface protects the glass and allows smooth movement.

INSULATING SOLUTIONS



The **Vertical Insulated Glass Line** is an automated system designed to wash, assemble, and press double, triple, and structural insulating glass units, including step and facade glass. Soft Low-E brushes and a high-efficiency drying system ensure clean glass prior to assembly.

After washing, the first glass lite is held by vacuum suction cups while the second lite, fitted with a butyl-applied spacer frame, is positioned using an air cushion system. The servo panel press automatically aligns and presses the glass with uniform pressure for consistent sealing quality.

Controlled by a user-friendly PLC system, the line features automatic pressure adjustment, an energy efficient vacuum system, and a servo tilting table for handling and sealing large insulating glass units.

SPACING SOLUTIONS



The **Automatic Spacer Bending Machine** automatically bends and cuts aluminum, stainless, and plastic spacer bars for insulating glass production. Servo-driven control and optimization software provide precise processing while minimizing spacer waste.



The **Automatic Desiccant Filling Machine** automatically fills both sides of spacer frames simultaneously with desiccant for insulating glass production. The filling process is sensor-controlled and automatically stops when the spacer frame is completely filled. The subsequent closure of the filling holes with butyl is also performed automatically for consistent production.



The **Spacer Cutting Machine** is designed to accurately cut aluminum, stainless, and plastic long spacer bars to the required dimensions for insulating glass production. Equipped with a durable circular saw, it provides precise cutting for consistent spacer frame preparation.

SPACING SOLUTIONS



The **Desiccant Filling Machine** is designed to fill spacer bars with desiccant material to help prevent moisture in insulating glass units. An integrated heating element supports consistent operation, while the workbench can accommodate multiple spacer bars for simultaneous filling. A vibration system ensures uniform distribution of desiccant throughout the spacer bars.



The **Spacer Frame Carrying Unit** is designed to organize and transfer butyl-coated spacer frames between the butyl extruder and insulating glass production line. The motorized system advances the frames using a foot pedal and automatically stops via photocell detection, providing controlled frame handling.

SEALING SOLUTIONS



The **Automatic Sealing Machine** provides fast, precise sealing of double, triple, and structural insulating glass units. Its non-contact conveyor minimizes glass smearing and friction while accommodating large, heavy units. An optional two-pump system supports polysulfide, silicone, and polyurethane sealants, with a PC-based control system for automated operation.



The **Sealing Extruder** provides reliable final sealing of insulating glass units using two-component silicone, polysulfide, or polyurethane sealants. Adjustable mixing ratios, precision static mixers, and integrated safety systems ensure consistent operation.



The **Butyl Extruder** provides precise primary sealing of spacer bars for insulating glass units. Sensor-controlled rollers, automatic nozzle adjustment, and adjustable coating speed ensure consistent butyl application, while programmable heating and automatic start/stop functions improve efficiency.

SEALING SOLUTIONS



The **Hotmelt Extruder** is designed for the final sealing of insulating glass units using hot melt sealant. Its ergonomic hose and gun system provides smooth, precise application for sealing. The high-temperature proofed aluminum tank ensures reliable and durable operation.



The **Rotary Table** securely holds insulating glass units during manual sealing with a double suction plate and adjustable support arms. The Basic model offers 90° and 360° rotation, while the Advanced model provides 90°, 180°, 360°, and continuous circular rotation for greater flexibility.



The **Silicone Cleaning Pump** uses a high-pressure solvent and closed-loop system to remove silicone residue from the mixer and material lines, helping maintain performance and extend extruder life. An air-operated system also helps prevent curing during power outages.

SEALING SOLUTIONS



The **Freezer** is designed for use with two-component silicone, polysulfide, and polyurethane extruders to prevent sealant from curing inside the mixing system during standby periods longer than 10 minutes. During breaks, the operator places the sealing gun into the freezer's cold tank to slow the chemical curing process. Before resuming production, the gun is placed in the hot tank to restore the material to operating condition.

EDGEWORKING SOLUTIONS



The **Vertical Seaming Machine** automatically removes sharp glass edges before insulating glass or tempered glass production. A 360° rotating seaming head processes all four sides, while automatic measurement and servo motors ensure precise positioning. An integrated water system cools, cleans, and extends belt life.



The **Vertical Seaming Machine with Diamond Tool** automatically removes sharp glass edges before insulating glass or tempered glass production. A precision diamond tool provides consistent seaming with minimal operator intervention. Automatic measurement and servo motors ensure accurate positioning, while an integrated water system cools the tool and removes glass dust.



The **Horizontal Seaming Machine** manually removes sharp edges from cut glass prior to further processing. Dual sanding belts seam the upper and lower edges for consistent results, while universal and guide rollers provide smooth, stable glass handling. Ideal for edge preparation before tempering or laminating, the machine improves safety and processing efficiency.

EDGEWORKING SOLUTIONS



The **Horizontal Drilling Machine** provides precise hole drilling for a wide range of glass processing applications. Upper and lower drilling heads produce clean, consistent holes while minimizing chipping. Pneumatic glass clamping, adjustable drilling speed and depth, automatic lower drill movement, and a pneumatically controlled worktable ensure productive operation. An automatic feeding system supports continuous, high-volume production.



The **Straight Line Edger** grinds and polishes the straight edges of flat glass in a single, continuous process. Combining seaming, coarse grinding, fine grinding, and polishing, it delivers consistent, high-quality finishes while improving production efficiency.

TEMPERING SOLUTIONS



The **Flat Glass Tempering Furnace** is designed to produce tempered glass for a wide range of architectural and industrial applications. It processes clear, tinted, reflective, and hard-coated Low-E glass by heating each lite to the required temperature before rapidly cooling it with high-pressure air. This process significantly increases the glass's strength and resistance to thermal stress while maintaining its optical clarity. When broken, tempered glass shatters into small, less hazardous fragments for improved safety.

PARTS AND SERVICE

Keep your machinery in optimal condition and running efficiently, the Billco Replacement Parts Specialists are ready to ship and coordinate the fulfillment of thousands of parts.

OEM Direct Components: 100% factory-direct replacement parts, from individual components to complete rebuilds.

Expert Support: Our experts can diagnose and recommend the parts you need to keep your machine running optimally.

Quick Turnaround: We coordinate fast fulfillment and shipping to minimize downtime and get you the parts you need quickly.

Consumable Parts to Complete Rebuilds: From individual consumable parts to complete rebuilds, our team can support your replacement part needs.

Beyond the initial installation of your equipment, our Support Specialists are available 24 | 7 | 365 to keep your line running with virtually no unplanned downtime.

Preventative Maintenance: Our technicians provide preventive maintenance, troubleshooting, and service throughout the life of your machine, helping prevent unexpected downtime and extend equipment performance..

Training and Guidance: Our Support Specialists provides operator training, cleaning and maintenance guidance, and efficiency-focused support to help your team get the most from your equipment.

24 | 7 | 365 U.S. Support: Our experienced Support Specialists provide technical support, troubleshooting, maintenance, and emergency response to keep your equipment running efficiently and minimize downtime.



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