



Billco Teams

A Distribution & Service Company

AUTOMATIC SEALING MACHINE

DESCRIPTION

The Automatic Sealing Machine is a servo motor-driven robotic system designed for high-speed, precise secondary sealing of insulated glass units. It automatically seals double, triple, and structural glass units, including step and facade glass, while ensuring accurate sealing of corners and consistent application quality.

Its specially designed non-contact conveyor system minimizes contact with the glass during sealing, reducing smears and friction while allowing efficient processing of large and heavy glass units. With the optional two-pump system, the machine can work with silicone, polysulphide, or polyurethane materials in various combinations. A PC-based control panel replaces manual operations and provides user-friendly control for efficient and reliable machine operation.

SPECIFICATIONS



118.11" x 98.43" (3000 x 2500 mm)

MAX GLASS SIZE

19.69" x 11.42" (500 x 290 mm)

MIN GLASS SIZE



≤0.59" (≤15 mm)

SEALING DEPTH

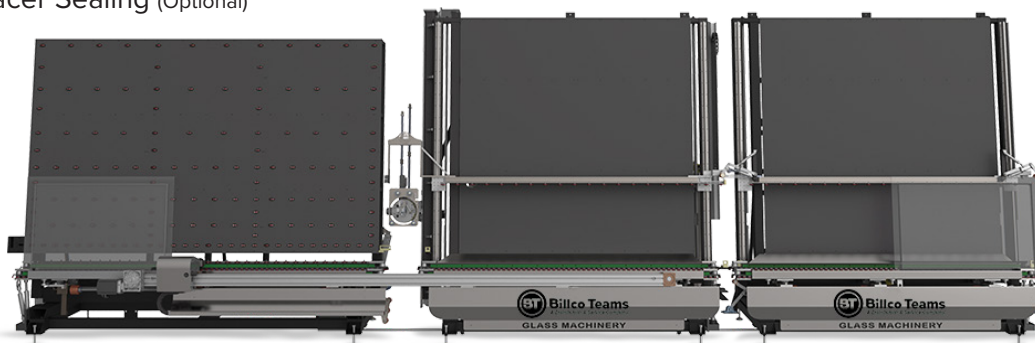


16-138 FPM (5-42 m/min)

SEALING SPEED

HIGHLIGHTS

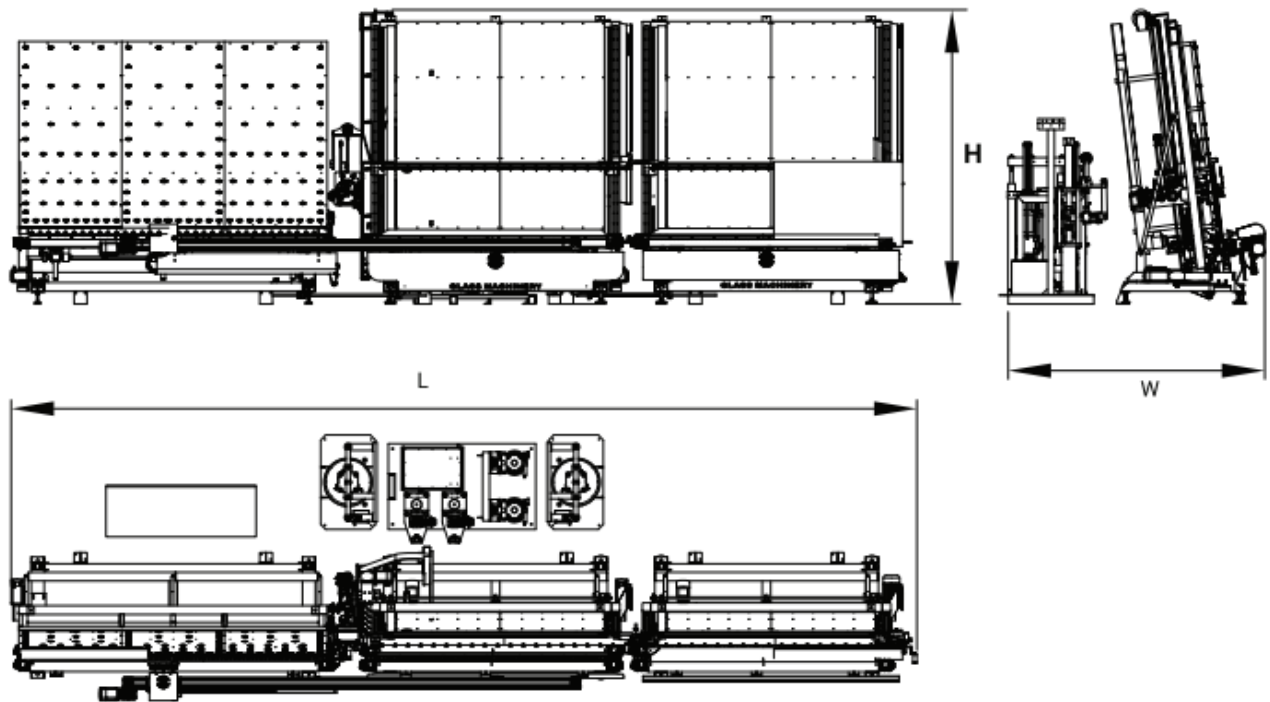
- ✓ Double and Triple Glass Sealing
- ✓ Schüco Spacer Sealing (Optional)





TECHNICAL SPECIFICATIONS

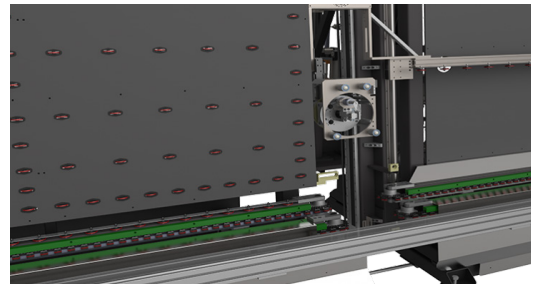
	OTM
W	118.11" (3000 mm)
L	413.39" (10500 mm)
H	135.83" (3450 mm)



SYSTEM CONFIGURATION

SEALING UNIT

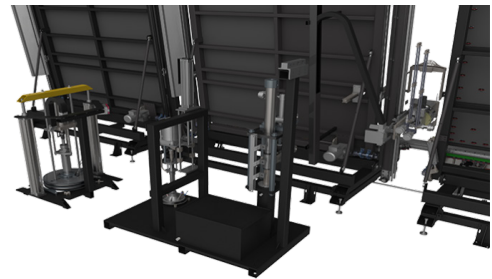
Developed with advanced robotic automation, multi-servo axis interpolation, and CNC technology, the sealing unit precisely seals shaped and rectangular insulated glass units. Speed, spacer depth, and material flow are continuously synchronized for high-quality and efficient sealing.



Sealing Unit

SERVO MOTOR-CONTROLLED HYDRAULIC PUMP

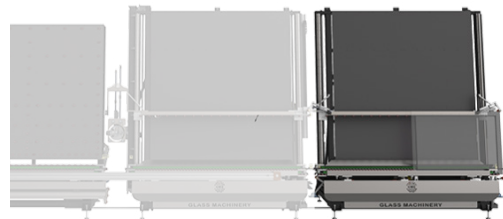
The servo hydraulic pump system automatically controls the material flow rate and dosage, providing stable, accurate, and consistent sealing performance throughout the production process.



Servo Motor-Controlled Hydraulic Pump System

OUTLET CONVEYOR

The additional outlet conveyor creates extra storage space for finished glass units, improving material flow and increasing overall production capacity.



Outlet Conveyor



FEATURES

- ✓ Automatic Corner Correction
- ✓ Operator Panel

SERVO MOTOR-DRIVEN HYDRAULIC PUMP SYSTEM

Provides automatic control of material flow rate and dosage for stable, precise, and consistent sealing.

AUTOMATIC MEASURING SYSTEM

Integrated laser sensors measure glass height, thickness, and spacer depth to automatically apply the required amount of sealing material, reducing waste and material costs.

SILICONE CLEANING PUMP (OPTIONAL)

Uses a high-pressure solvent and closed-circuit system for efficient mixer cleaning, with air operation during power cuts. Features an 80 L tank and 8 ft (2.5 m) hose.

- ✓ Remote Access System
- ✓ Schüco Spacer Sealing (Optional)

FULLY AUTOMATIC SEALING UNIT

Servo-axis interpolation and CNC technology ensure precise sealing of rectangular insulated glass units with synchronized speed, spacer depth, and material flow.

ADDITIONAL OUTLET CONVEYOR

Provides extra storage space for finished glass units while increasing production capacity and workflow efficiency.

- ✓ Recipe Management
- ✓ Triple Glass Sealing (Optional)

CHAIN CONVEYOR SYSTEM

Combines chain drive, vacuum glass holders, and servo motor technology for smooth and accurate glass positioning while minimizing compound spreading and keeping the system clean.

ADDITIONAL PUMP SYSTEM (OPTIONAL)

Enables the use of different sealing compounds and can serve as a backup pump, allowing barrel changes without interrupting production.



Silicone Cleaning Pump