

Vertical Insulated Glass Production Machines
Spacer Processing & Auxiliary Machines
Sealing Robots & Extruders

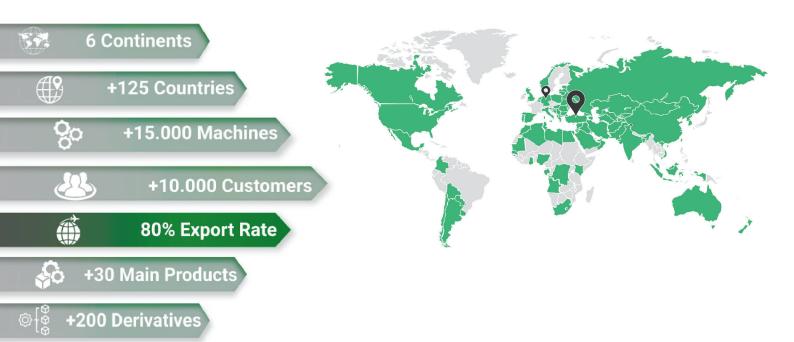


Billco Teams Partners

Our partner was founded in 1995 in Istanbul and has become the first major company in Turkey producing flat glass processing equipment and technologies. Today, due to the technology and innovation studies performed in their R&D Center, they have become one of the unique global corporations that is able to build a whole glass processing facility on its own, through 30 main products and over 200 derivatives.

While being a leading domestic company in its own field, our partner has also become a global brand with 80% export rate. They have created solutions for more than 10.000 customers in 127 countries with more than 15.000 machines supplied and have become one of the key vendors leading the global glass processing market.

Our partner has achieved to be listed along with the top global key player companies according to the surveys conducted by international organizations. They are counted among the most reputable manufacturers in the market with both its technical operation departments such as Sales, R&D Center, Production, After Sales Services, and its corporate infrastructure together with 26 years of industrial processing know-how.



4th Generation Automatic Insulated Glass Line

The IG4.0 series is designed for automatic high-precision and high-speed washing, drying, assembly and pressing of insulating glass units. The specially developed design allows you to configure the main components of the line according to the needs of your production. The new generation insulating glass line also provides the possibility of increasing its functionality and modernizing technologies during the lifetime of line's operation.

VGW -Glass Washing Machine





Low-E Glass Washing



Line Speed Control



Blower Control System (Opt.)



Sand Filter (Opt.)



Right - to - Left Direction (Opt.)



Pre-Washing (Opt.)



Stainless Steel Outerbody (Opt.)



Self-Cleaning Filter (Opt.)



Coatings Detection Sensor (Low-E)



Insulated Chambers of Brushes



Washing Outlet Conveyor Speed Control (Opt.)



Easy - Clean Nozzles (Opt.)



Brush Speed Synchronization (Opt.)

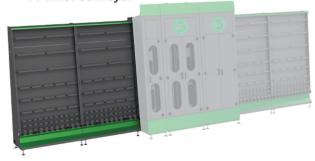


Measuring Glass Dimensions and Frame Thickness (Opt.)



Automatic Positioning of Brushes and Air Drying Nozzles (Opt.)



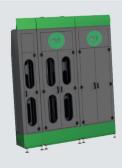


The Inlet Conveyor is a loading zone conveyor that is designed to load glass sheets into the washing line.

- + Easy loading feature on big size glass sheets with loading support legs
- + Step-by-step or continuous feed control (Standard in 4.20 and 4.30 versions)

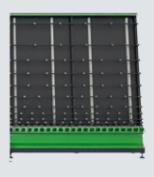
B- Washing/Drying Machine Washing and Drying Machine has been developed in order to wash the glass sheets with high quality washing brushes at maximum quality and to reliably dry the sheets with

specially designed fans.



C- Outlet Conveyor

The Outlet Conveyor provides the transfer of glass sheets from washing and drying machines to the next process.



PPL - Panel Press





Double-Glazed IG

Adjustable Conveyor

Manual or Automatic (Opt.)

Frame Mounting System

Modular

Structure

Height (Opt.)



Triple, Quadruple and Stepped IG units

Conveyor Belt (Opt.)

Air Cushion

Hydraulic

Double

Panel Press

Conveyor (Opt.)



Tilting table (Opt.)



Servo Press (Opt.)



Additional Side Walls (Opt.)



Remote Access (Opt.)



Argon Gas Filling in Press (Opt.)



Double Section Mounting Frame (Opt.)



Pressing of Various Shapes (According to CMS Shape Library)



Jumbo Format Tandem Press (Opt.)

A- Assembly Conveyor



Assembly conveyor is designed to place spacer frames on the clean glass coming from washing unit.

Two Options Available:

- 1 Manual frame mounting system
- 2 Double Section Frame Mounting (Opt.): Increase productivity without increasing line sizes.

B- Pressing Unit

Pressing unit is a product of technology, experience and industry experts coming together. The system can be configured according to your present and future needs.



C- Press Output

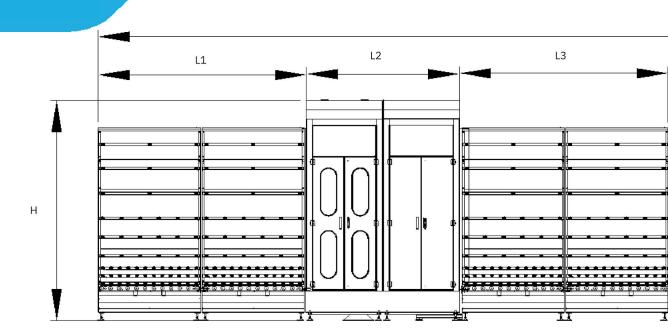


The Press Output is designed to transfer the pressed insulated glass unit for secondary sealing application.

C1 - Conveyor (Std.) C2 - Tilting table (Opt.)

4.th Generation Automatic Insulated Glass Line

VGW -Glass Washing Machine

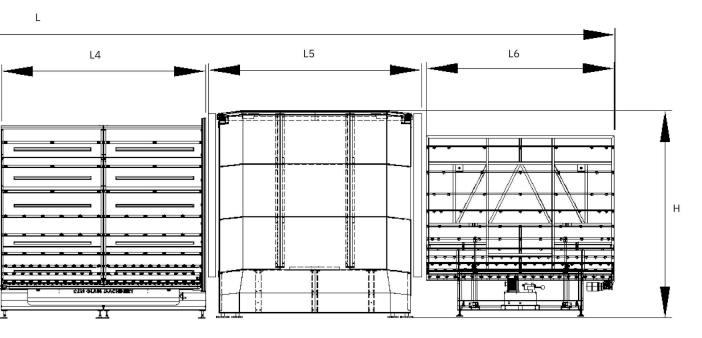


Models & Sizes

	VGW	Glass Width (W)(mm)				Machine Dimensions					
		2000 2	2500 2800	3300	L1	L2	L3H1	2000	2500	1 2800	3300
\exists	3000	3020	3025 3028	3033	3260	2450	3260	2000	2500	2800	3300
Length	4000	4020	4025 4028	4033	4100	2450	4100	3050	3550	3850	4350
s Lei	5000	5020	5025 5028	5033	5300	2450	5300			,	
Glass	Jumbo	XL20	XL25 XL28	XL33	Please (contact to y					
			Sizes					* Ui	nits of me	asuremei	nt - mm.

	VGW4.10	VGW4.20	VGW4.30			
Glass Thickness	3-12 mm	3-19 mm	3-32 mm Automatic Brush			
Max. Washing Speed	12 m/min					
Number of Brushes	6 pcs.(Opt. 8 pcs.)					
Working Height	520 (+/-50) mm					
Number Of Blowers	1 pcs.					
Number Of Washing Sections		2 pcs.				
Washing Low-E Glass		Applicable				
Min. Glass Size		170x350 mm				

PPL -Panel Press



Models & Sizes

PPL	Glass Width (W) (mm)			Machine Dimensions							
	2000	2500	2800	3300	L4	L5			L6H2	2	
3000	3020	3025	3028	3033	3300	3200	3300	2000	2500	2800	330
4000	4020	4025	4028	4033	4300	4200	4300	2750	3250	3550	405
5000	5020	5025	5028	5033	5500	5200	5500				
Jumbo	XL20	XL25	XL28	XL33	Please o	ontact to y	our sales	representa	tive for dif	ve for different size re	reque
			Sizes					* Ur	its of me	asuremer	nt - m

Technical Data

		PPL	4.1	PPL4.2		PPL4.3	
Min. Press Glass Size	170x350 mm						
Min. Press Glass Thicknes	s			3 r	nm		
	Double Glazed Units	Opt 3: Triple Glass	Opt. 4: Quadraple Glass	Opt.S: Step Glass	Panel Press	Max. IG Thickness	Conveyor Type
PPL4.1			1		Hydraulic (Opt. Servo)	60 mm	Roller
PPL4.2			-		Hydraulic (Opt. Servo)	60 mm	Belt
PPL4.3					Servo	60 mm (Opt.4 for 100 mm)	Belt

Images are representative only

VGW Key Features

The main functions and features included as standard in our machines are structured to respond quickly and effectively to user needs.



- Integration with sequential processes (Communication and sync speed)
- Automatic start/stop system for brushes and blowers
- Possibility to increase productivity and upgrade

Low-E Glass Washing

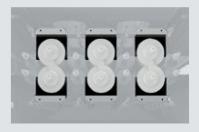
- Easy Cleaning of Nozzles
- All Surfaces in Contact
 With Water Are Stainless Steel

- Adjustable Washing Speed (Line Speed)
 (For models 4.20 and 4.30)
- Configurable Structure
- Fast and Stainless Washing Performance



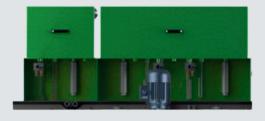
Jumbo & Tandem Glass Pressing Compatibility

Modular design allows required components to be added to the system to provide the ability to wash Jumbo sized glass sheets.



External Brush Cab

External cabs provide safe & clear washing performance and the process can be watched by the help of observation windows.



Water Tank

- + Critical water level control
- + Water temperature control
- + Water distribution system to control the flow of water per brush



Soundproofed cabinet with adjustable temperature.

Easy to clean and replaceable dust filter.

Resistive heating system.

If there is no glass in the drying section, the blower is automatically stopped to save energy.

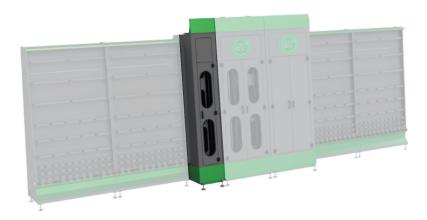
Optional Features





Opt.SCF Automatic Water Filter (Self Cleaning)







Optimum cleaning can be achieved thanks to the pre-washing system developed to obtain fast and perfect results in the washing process.





opt. BSS Brush Speed Synchronization

Sensitive glass washing results can be achieved in Low-E coated plates with the adjustable washing brush speed.

Valid for 4.20 and 4.30 versions

Opt. Tilting Table

Transfers glass sheets from vertical processes to horizontal processes



Air distribution according to glass dimensions.



Opt.RAF - Remote Access

Remote access feature provides advanced online assistance and troubleshooting

+ Standard for models GWL4.20 and GWL4.30 in line with PPL press.

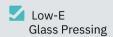


PPL Key Features

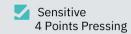
The main functions and features included as standard in our machines are structured to respond quickly and effectively to user needs.



- Configurable structure according to your preferences and needs
- Possibility of increasing functionality by adding options during operation
- Opening the front panel for service by 38 cm











Straight and Shaped Glass Pressing

Straight and shaped glass pressing from CMS Shape Library can be performed optimally.

Recipe Management

Save your datas and settings
+Work order saving for servo
machines and processing the
same work order in the future.



Operator Panel

Take control under favor of user friendly operator panel



Remote Access

Remote access feature provides advanced online assistance and troubleshooting



Jumbo / Tandem Line Compatibility

Compatible to be integrated with multiple pressing units to press jumbo sized insulated glass units in single operation. This compatibility allows you to upgrade your machine to tandem/jumbo pressing line any time with low costs.

(Servo Pressing Option is Required for compatibility)

Optional Features

Opt. - Press Inlet

Easiest way to prevent operator related delays and increase efficiency

Opt. - Tilting Table

Suitable to transfer insulated glass unit to sealing process. Vertical unit tilted down to horizontal position and can be moved without an effort.

Opt. - Automatic Adjusment of Frame Mounting for Stepped IG Units

Standard for PPL 4.3

Opt. Spp – Servo Press Front Panel

Servo front panel drive system provides precise pressing by applying different pressure to glasses of different thickness and size.

Automatic Pressing Pressure Setting Automatic Pressing Time Setting

Available as standard in PPL4.3 version



Opt. G - Gas Filling System

The system is equipped with software infrastructure (mathematical model) and equipment that provides the best gas filling performance at high speed. It provides minimum gas consumption with gas filling application from the bottom edge.

Smart Functions

- Mathematical Flow Control Model
- + Glass Height Measurement
- Glass Length Measurement
- Narrowing the Press Area
- Spacer And Glass Thickness Measurement
- Ops.SPP servo front panel drive comes together.
- + Gas filling of all IG, except stepped IG, for version 4.2.
- + Gas filling of all IG and stepped IG, for version 4.3.

Opt. S Step Glass (Structcural Glass) Function

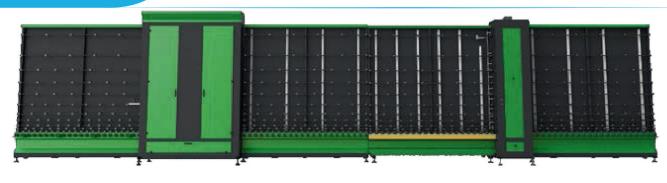
Developed using precisely positionable mechanisms for safe and stable pressing of facade glass

- + Precise Positioning
- + Strong Mechanical Structure
- + BE, LE, RE, UE: Max: 150 mm



Glass Washing and Combining Line

Glass washing and combining line with roller press is designed for quick assembly of double glazed IG units.





Double-Glazed IG



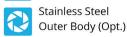
Tilting Table (Opt.)

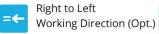


Low-E Glass Washing



Low-E Glass Detection (Opt.)

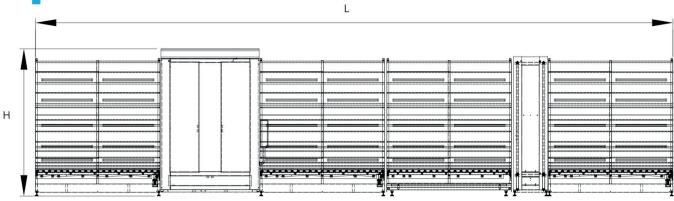






Sand Filter (Opt.)

Models & Sizes

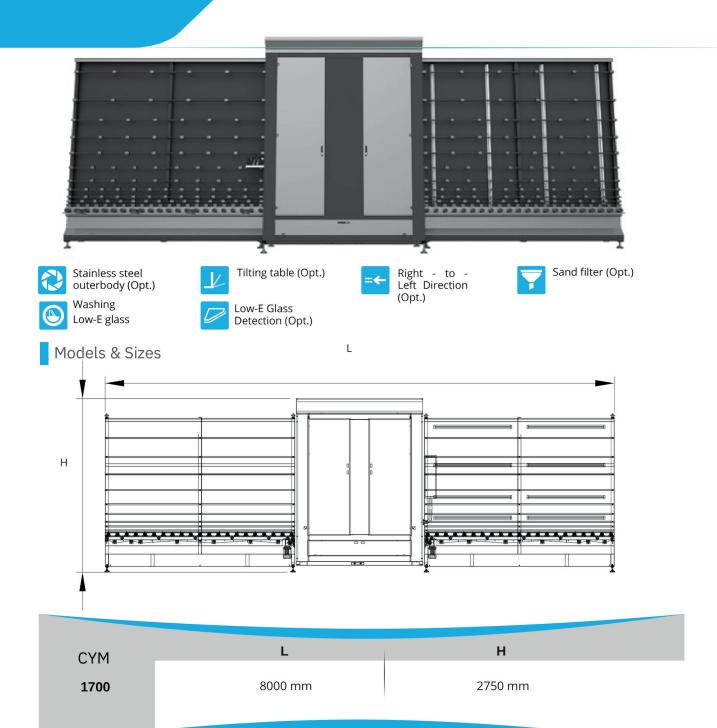


DPYM	L	Н
1700	15000 mm	2750 mm
2000	15000 mm	3050 mm
2500	15000 mm	3550 mm
2800	15000 mm	4050 mm

	DPYM1700	DPYM2000	DPYM2500	DPYM2800	
Glass Thickness		2-10 mm			
Min. Glass Size	170x350 mm				
Washing Speed	6 m/min				
Max. Glass Size	1700x3000 mm	2000x3000 mm2500x3000 mm 2800x3000		2800x3000 mm	
Number Of Brushes	4	6	6	6	

Vertical Washing Machine

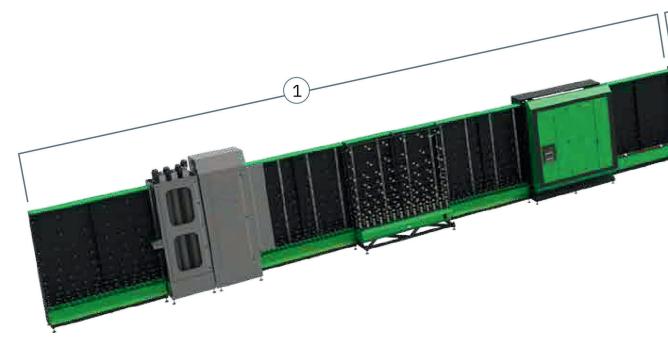
The vertical washing machine is designed for glass automatic washing and drying.



	CYM1700/4	CYM1700/6			
Glass Thickness	2-10 mm				
Min. Glass Size	170x350 mm				
Washing Speed	6 m/mi	6 m/min			
Max. Glass Size	1700x3	1700x3000 mm			
Number of Brushes	4	6			

Automatic Insulating Glass / Structural Glass Production Line and Structural Glass & Aluminium Frame Assembling and Bonding Line

The line is connected with automatic insulating glass production line and it is designed to combine structural glass and pre-fabricated aluminium frame, to apply silicone bonding around the frame and to store finished products in the shelf stock system.



4.th Generation Automatic Insulated Glass Line

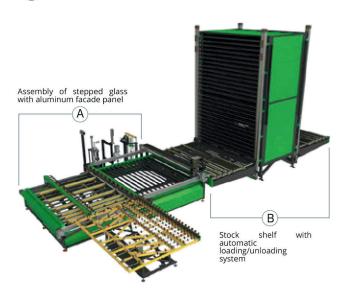
The IG4.0 series is designed for automatic high-precision and high-speed washing, drying, assembly and pressing of insulating glass units. The specially developed design allows you to configure the main components of the line according to the needs of your production. The new generation insulating glass line also provides the possibility of increasing its functionality and modernizing technologies during the lifetime of line's operation.

2 OTM - Servo Motor Automatic Glass Sealing Robot

Servo motor driven automatic glass sealing robot is designed to apply secondary sealing of insulated glass production process. Sealing application is performed flawlessly with high speed by servo motor controlled stable structure

For further more details, please see pages 3-10 for IG and pages 15-18 for OTM.

3 Structural Glass & Aluminium Frame Assembling and Bonding Line





Remote Access



Automatic Loading Into a Shelf Rack



Transfer Table
Touch



Screen CNC



Control PLC



Controller Automatic Bonding





Assembly of Glass Aluminum Facade Panels



Automatic Product Return



Automatic Positioning



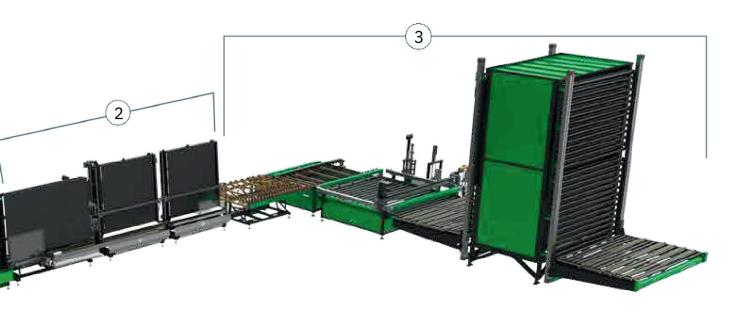
Barcode Tracking Servo

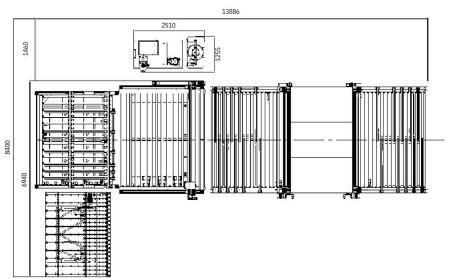


Drive System Add. Shelf



Rack (Opt.)





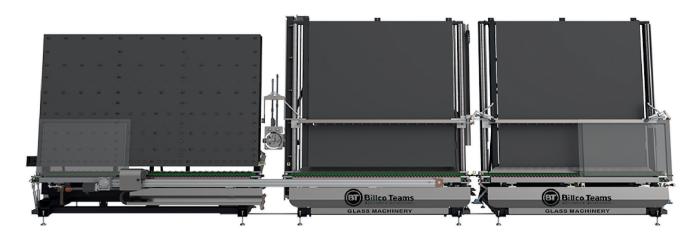
	w	L	н
PLX-	850 mm	650 mm	1150
1	1225	1225	mm 926
RSS	mm	mm	mm -

Teknik Özellikler

	PLX-1	RSS
Max. Frame Size	2000 x 3000	
Min. Frame Size	mm 400 x 600	
Max. Frame And Glass Weight	mm	
Silicone Pump	300 kg	
Number of Shelves of The Rack	1 Unit (A+B)	28 Floors
Max. Number Of Frames in The		112 Pieces (Each Floor)
Rack Number of Frames Per Shelf		1, 2 or 4 Frames

Servo Motor Driven Automatic Glass Sealing Robot

Servo motor driven automatic glass sealing robot is designed to apply secondary sealing of insulated glass production process. Sealing application is performed flawlessly with high speed by servo motor controlled stable structure





Double and Tripple (Opt.) Glass Sealing



Double Pump System (Opt.)



Stock Conveyor (Opt.)



Cleaning System (Opt.)



Stepped Glass Sealing (Opt.) Servo-Driven System for



Corner Correction



Schüco Profile Sealing

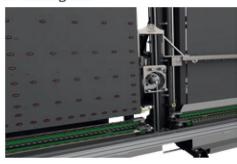


Remote Access



Pressure Control, Flow Rate and Precise Positioning

A- Sealing Unit



Developed by our expert staff in robotic automation engineering with multiple servo axis interpolation and CNC infrastructure, the sealing robot perfectly forms shaped and rectangular insulated glass units. For maximum quality and efficiency, speed, spacer depth and flow synchronization are performed precisely in continuous flow.

B- Servo Motor Controlled Hydraulic Pump System

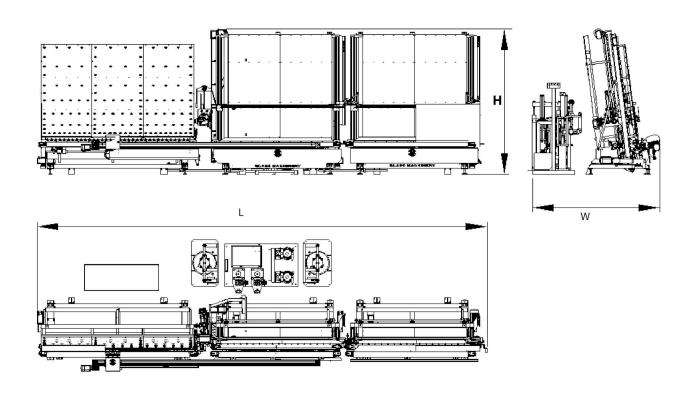
With the pump system controlled by the servo hydraulic system, we can change the material flow rate and adjust the dosage unit automatically. With this feature, we always offer a stable and accurate automatic glass sealing machine for your production.



C- Outlet Conveyor

The extra conveyor we have added, creates a stock area for your finished products. Thanks to this extra conveyor, we increase your production capacity even more.



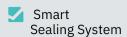


	L	W	н
OTM2500	10500 mm	3000 mm	3450 mm
	Please contact to your se	ales representative for different s	size requests.

	ОТМ
Component type	Polysulphide, Polyurethane, Silicone for Aluminium Frame Units
Min. glass dimensions	500x290 mm
Max. glass dimensions	3000x2500 mm
Frame thickness	6-40 mm
Filling depth	≤15 mm
Processing speed	6-40 mm
Number of pumps	1 unit (2 pcs. Opt.)

Key Features

The main functions and features included as standard in our machines are structured to respond quickly and effectively to user needs.









Automatic Glass Measuring System

With the laser sensor system, we automatically measure the height, thickness and spacer depth of the glasses and use the appropriate amount of compound. In this way, we reduce material costs, save time and increase your production capacity.

Recipe Management

Save your datas and settings





Take control under favor of user friendly operator panel.



Remote Access

Remote access feature provides advanced online assistance and troubleshooting



Always Clean with Chain Conveyor System

With the integrated chain system, vacuum glass holder and servo motor drive technology that controls the whole system, we prevent compound to spread by positioning the glass smoothly and correctly. Thus, we ensure that the system always works clean.



- Full automatic glass sealing with servo motor technology
- Easy integration with all insulating glass production lines
- "A component" hose heater (for cold regions)

Optional Features



Opt. APS - Additional Pump System

Adding an extra pump to the system allows to use different type of compound when required. Second pump system can also be used as a ready-to-use replacement pump. Preventing interruption of production during barrel replacement also provides a separate advantage.





Opt. SPS **Schüco Spacer Sealing**

With the system and software support we have designed, you can easily make sealing to Schüco spacers.

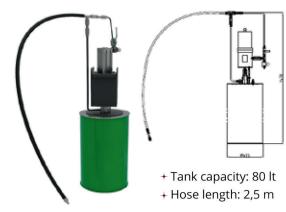




Opt. TGS **Triple Glass Sealing**

Apply triple glass sealing fast, economical and with maximum quality.







Opt. SC200 - Cleaning Pump

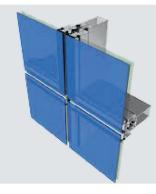
Silicone cleaning pump is designed to clean the mixer system of glass sealing extruders using high pressure solvent.

- + High pressure solvent cleaning system
- + High quality cleaning with close circuit
- + system Working with air in case of power cuts



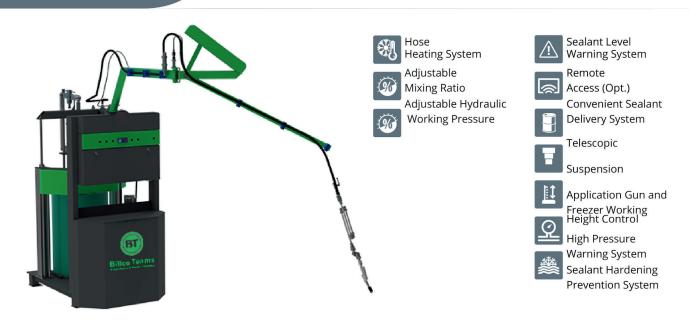
Opt. SGS - Structural Glass Sealing

Take the glass sealing procedure to the next level. You can save time and make a higher quality production with this feature. It is designed to seal the section where the aluminum cassette and glass meet in the production of facade glass.

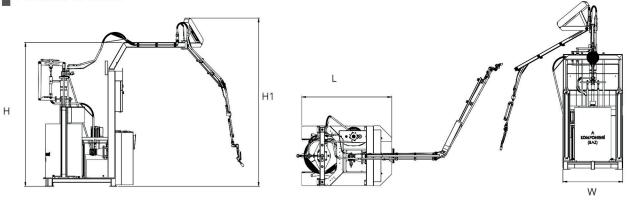


Sealing Extruder (Silicone – Polysulphide- Polyurethane)

Sealing extruder is used for final sealing of the gap and edges between spacer and glass in insulated or structural glass production.



Models & Sizes



		W	L	L1	H1	H1
SET1.0 - T	Polysulphide / Thiocol					
SET1.0 - S	Silicone	975 mm	1500 mm	4200 mm	2350 mm	2750 mm
SET1.0 - Pu	Polyurethane (Paste)	975 111111	1500 11111	4200 111111	2550 111111	2750 111111
SET1.0 - LPu	Polyurethane (Liquid)					

	SET1.0
Mixing Ratio	1:5 - 1:15 0-3
Output Volume	lt/min
Large Tank Capacity	200 lt/min
Small Tank Capacity	20 lt/min

Key & Optional Features

Key Features









Easy Drum Handling

Drum handling system with holes for pallet truck in machine's body provides easy and fast way to change and center new drum.

Low-level Sensor System

Low-level material sound warning system allows operators to accurately monitor material levels during the process.

Freezing Warning System

Sound alarm system alerts the operator in case ready to use material was unintentionally forgotten in the mixer part of the machine.

High Pressure Safety System

High pressure protection system as a safety instrument to prevent accidental pressure rise will shut off the source of the high pressure before the design pressure of the system is exceeded.

Application Gun and Freezer Working Height Control

Instead of going to the machine's body first that one may insert sealant gun into the freezer the possibility to insert the gun into the freezer directly where the job was ended.

Optional Features





Convenient sealing of double-glazed IG with a telescopic arm.



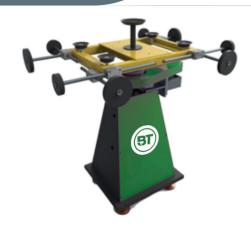
Opt. THL

Drum Carring Unit



Rotary Table

The most suitable and ergonomic solution for your manual insulating glass sealing operations





DTM



Support for Large IG Units



2 Working Modes



Heavy Glass Handling 4 Working

Modes



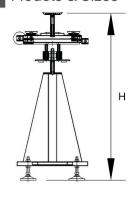
Direction Control Rotation

Speed Control

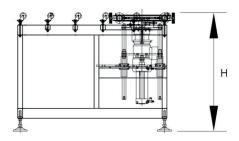


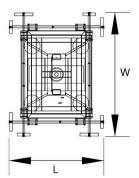
Support Setting

Models & Sizes

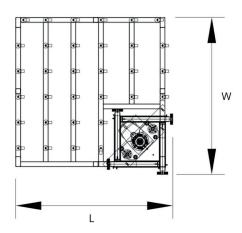


	DTM
w	850 mm
L	650 mm
Н	1150 mm





	RTB
w	1225 mm
L	1225 mm
Н	925 mm



	DTM	RTB
Min. Glass Size	150 x 150 mm	200 x 200 mm
Max. Glass Size	1500 x 1500 mm	2000 x 2000 mm









Small Size Glass Sealing

We offer an easy-to-disassemble auxiliary suction cup attachment to easily sealing of small sized insulated glass units



Sealing Large Size Insulated Glass

We facilitate your work with supporting arms to easily seal large sized insulated glasses.



Adjustable Rotation Speed

We offer your operator the option to adjust the rotation speed so that they can work at the desired speed.

+ This feature is only available for the RTB model.



90 and 360 degrees Direction of rotation (Left)

Different Rotation Options

We provide convenience to your operator with our different turning options, 90, 180, 360 or circular, for easy and fast use.



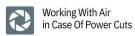
90, 180, 270 and 360 degrees Direction of rotation (Left and Right)

Cleaning Pump / Freezer

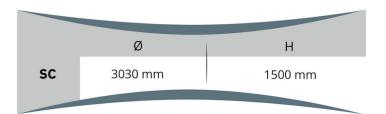
Cleaning pump is designed to clean the mixer system of glass sealing extruders using high pressure solvent.

SC





Models & Sizes



Technical Data

SC	
400 x 675 mm	
80 lt	
2,5 m	

TF



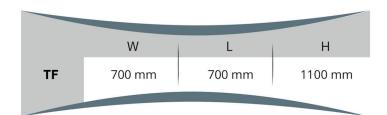


Stainless Steel



Adjustable Working Temperature

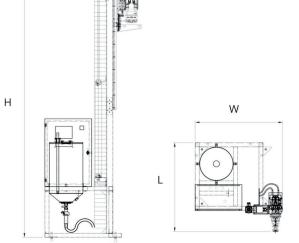
Models & Sizes



	TF
Work Temperature	-35 °C / +50 °C

Automatic Desiccant Filling Machine



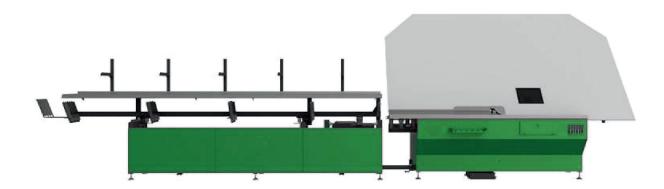


	w	L	Н
ADF	1100 mm	1110 mm	3500 mm
	Please conto for c	ict to your sales repr different size request	esentative 's.

	ADF
Min. Frame Size	250 x 250 mm
Max. Frame Size	2000 x 2000 mm
Frame Thickness	6 - 24 mm
Silica Gel Diameter	0,5 - 0,8 mm

Automatic Spacer Bending Machine

Automatic spacer bending machine is designed for fully automatic bending of bendable type aluminum spacers with different thicknesses used in the production of insulated glass. Optimization software provides minimum waste.





Automatic Spacer Adding



Multifunctional Bending Head



Remote Control

Servo Motor

Driven Movement System



Communication with Glass Cutting Table

Gas Filling Hole

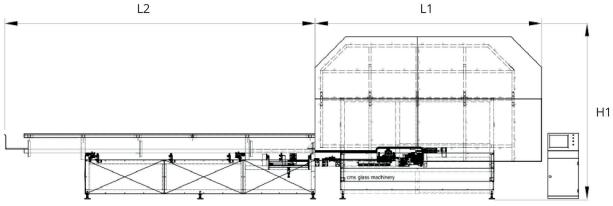


Thick Spacer Bending for 6-30mm (Opt.)



Shape Bending (Opt.)





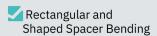
	T - Spacer	L - Spacer	W - Spacer	L1	L2	H1
АРВ	6-24 mm	2000 mm	2500 mm	4400 mm	6080 mm	2600 mm

Please contact to your sales representative for different size requests.

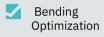
	АРВ	
Min. Frame Size	250 x 250 mm	
Max. Frame Size	2000 x 2000 mm	
Frame Thickness	6 - 24 mm	
Min. Frame Wall Thickness	0,3 mm	
Min. Bending Diameter	200 mm	
Cutting Length	250 - 4000 mm	
Frame Storage Shelves	4	
Bending Allowance	+/- 0,3 mm	

Key & Optional Features

Key Features









Recipe Management

Save your datas and settings

Operator Panel

Take control under favor of user friendly operator panel

Remote Access

Remote access feature provides advanced online assistance and troubleshooting

Unlimited Spacer Bending with Automatic Spacer Insertion System

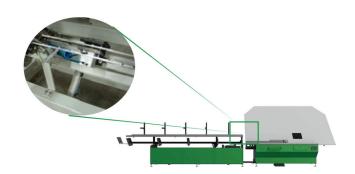
This feature allows the bending process is always fed with spacer and minimum spacer wastage is provided.

Fully Automatic Spacer Bending with Servo Motor Technology

You can automatically bend your spacers in desired sizes with our servo motor technology soulutions.

Stock Magazine for Different **Types of Spacers**

Thanks to spacer magazines, different spacer types and thicknesses can be stored. Magazine changes can be made at any time according to the type of spacer to be bent.



Optional Features



Opt.GFH **Automatic Argon Gas Hole Drilling**

Automatic argon gas hole drilling feature can be implemented to the machine.

Opt.VTR - Data Transfer from Glass **Cutting Machines or ERP Software**

This infrastructure allows us to transfer spacer details from either CMS or different brand cutting machine to the bending machine. Data transfer can also be done through your ERP system. For our solutions, please consult to your sales representative.

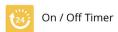
Opt.SSB - Shaped Spacer Bending

Shaped spacer bending according to CMS Shape Library.

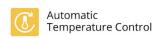
Butyl Extruder

Butyl extruder can process different thickness spacer bars. The feeding nozzles can be positioned to deliver uniform sealing





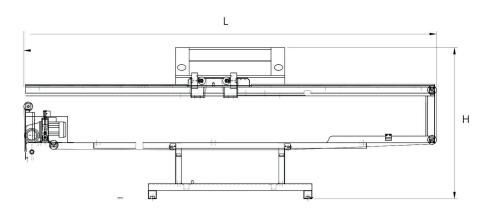






Fixing the Frame

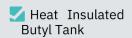
Models & Sizes



	L	Н	Z
ВМ7		3030 n	nm1110 mm800 mm
	Please contact to your sa	iles representative for different ca	pacity requests.
	r tease contact to your sa	nes representative for algerent ea	pacity requests.

	BM
Tank Capacity	7 kg
Belt Speed	22 m/min
Min. Frame Thickness	6 mm
Max. Frame Thickness	24 mm

Key & Optional Features







Control Panel



Operator Panel

With our state-of-the-art, innovative and ergonomic control panel, all your butyl drawing processes take place automatically under your control. With our software designed with a user-friendly interface, we minimize operator intervention and shorten the entire butyl applica- tion process and offer you the fastest solution.

Opt. 1 Always Ready to Work

With the timer system, determine which days and times your machine will heat automatically and at what hours it will turn off. Thanks to this feature, when you come to your workplace, your machine will be ready for butyl application, and will automatically switch to cooling off at the end of working hours and shut itself down.





Precise Temperature Control

Proportional-Integral-Differential (PID) controller for maintaining the preset temperature of the material.



Automatic and Manual Operation

Spacer Cutting Machine

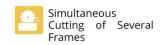
Spacer cutting machine is designed for cutting aluminum spacers in desired dimensions to be used in insulated glass production.



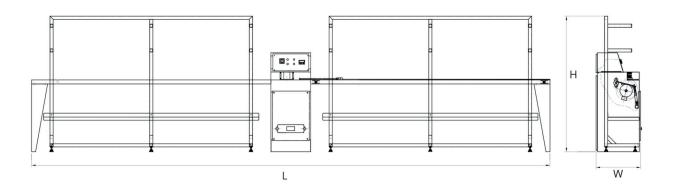








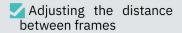
Models & Sizes



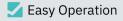
	W	L	н
РКМ	560 mm	6500 mm	1700 mm

	РКМ
Min. Frame Length	100 mm
Max. Frame Length	2800 mm

Key & Optional Features









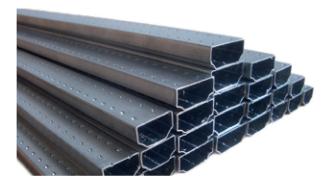
Multiple Spacer Cutting

Simultaneous cutting of several frames of a given size.

Digital Measurement Indicator

You can track the size of the spacer to be cut from the digital measurement indicator.





Burr-free Spacer Cutting

We ensure you to achieve perfect results with a special circular saw for quality and burr-free spacer cutting.

Comfortable Cut with Spacer Fixing

We keep your spacers fixed with our pneumatic controlled system so that you can always cut your spacers with the same quality.



Hotmelt Extruder / Spacer Frame Carrying Unit

Hotmelt sealant extruder is designed for secondary sealing of insulating glass units.

The spacer frame conveyor is designed for automatic transfer of frames, which have undergone primary sealing with butyl, to the spacer montage section of the panel press.

HM



Temperature Control System

Models & Sizes

	W	L	Н
НМ	750 mm	900 mm	1650 mm

Technical Data

	НМ	
Tank Capacity	50 kg	

PTII



Photocell Motion Sensor

Models & Sizes

	W	L	Н
PTU	3450 mm	3000 mm	2750 mm

	PTU	
Frame capacity	120 pcs.	

Desiccant Filling Machine

Desiccant filling machine is used for filling silica material, which is an anti-moisture material, in aluminum spacer used in the production of insulated glass.



Pneumatic Vibration

Simultaneous Filling of Several Frames

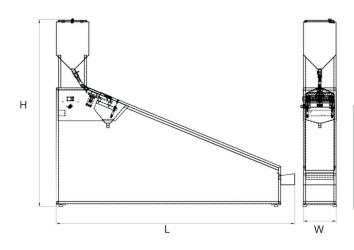
Electric Heating

> Storage Tank

Main Tank

Filling Control

Models & Sizes



	W	L	н
SM	400 mm	2550 mm	2000 mm

	SM
Main Tank Capacity	25 kg

Technical Service

Our After Sales Service department has the same objective as you: to achieve high and reliable performance throughout the entire life cycle of your equipment. Our global service team provides support with services and customised service products to guarantee and improve the performance of the machine. CMS Glass Machinery's service philosophy is to ensure close cooperation, efficient communication and high flexibility.



Maximum reliability and a long-term operational capability

Whether you need prompt assistance over the telephone, e-mail, remote support request, replacement of a particular component, an inspection or maintenance, our service team acts quickly and provide you with first-class support, round the clock, at any location and over the whole life-cycle of your installation. We always explore options to keep your total cost of ownership as low as possible.

- Personal Contact
- Revision
- Remote Support
- Repair

- **Maintenance**
- Field Service
- Spare Parts
- **Training**

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