



GLASS PROCESSING MACHINES

GENERAL CATALOG

Italian Technology for the Production of Insulating Glass Units.



A reality grown from italian artisan roots

Since 1991, the Andretta family has been active in the industrial electrical sector. Over time, they have increasingly specialized in the design, implementation, and programming of industrial automation. The dedication and creativity demonstrated in each project have earned the trust of clients and established the company's reputation on a national level.

Subsequently, thanks to the entrepreneurial spirit of the owner, a new company, ITECH, was founded in 2001, ran by husband, wife, and children, evolving from the previous artisan workshop into an enterprise.

In the last two decades, we have continued to innovate, specializing in the construction of machinery for insulating glass production. Today, ITECH is a well-established presence in both domestic and international markets, providing clients with solutions that reflect the quality and reliability of Italian expertise.



FLAT GLASS TECH AWARDS

16th - 19th September 2025

Winner: **itech s.r.l.**

35
years
of activity

627
IG lines
produced

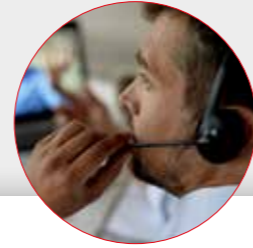
32
regions
reached

Our services



After sales

Our company is committed to providing effective after-sales support: in the event of a breakdown, our goal is to offer quick and effective assistance.



Remote assistance

In addition to on-site support from our qualified technicians, we also assist customers through remote support.



Assembly

The experience we've gained has enabled us to offer assembly services for machines used in other industries as well. We can provide this assembly service either at our facility, with 1200 sqm of available space, or directly at the customer's site.



Industrial automation & maintenance

The experience of Itech's staff in the industrial automation sector dates back to the 1980s, allowing us to perform both partial and complete machine overhauls by replacing obsolete electronic components with more advanced ones, ensuring the safety of systems, and creating new installations.



Spare parts supply

We are able to provide maintenance, overhaul, and spare parts supply services. In addition to mechanical and electrical part replacements, we offer technical upgrades upon customer request to adapt machinery to market needs. We also provide services for relocating machinery within production sites or from one facility to another.

Why choose Itech

We don't just sell machines; we provide complete solutions for the success of your company.



Customization

We develop tailor-made solutions, adapting our offerings to the needs and desires of the customer.



Reliability

We use high-quality materials and components, 100% "Made in Italy," that are durable and readily available on the market.



Support

We are always with you, both remotely and on-site, providing prompt assistance to avoid time and money losses.



Training

We offer comprehensive training courses on the optimal use of our machinery and maintenance guidelines.



Credibility

The results speak for themselves. With 33 years on the market, our customers' satisfaction is our best testimonial.



Consulting

Every client is unique; we provide practical advice on how to optimize the production process based on your specific situation.



Warranty

Every machine is tested before shipment, ensuring it will serve you reliably for the next 15 years.



NEW IN 2026

Electromechanical press

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Vertical Glass Seaming Machine

Tauro Series

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Tauro Series

Insulated Glass Production Line

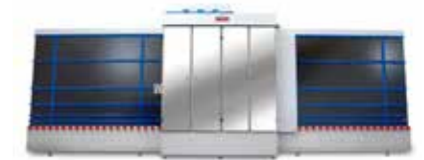
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Insulated Glass Production Line

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Horizontal Roller Conveyor
Glass Storage Racks
Reverse Osmosis Demineralizer

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ITECH SRL RESERVES THE RIGHT TO MAKE ANY TECHNICAL MODIFICATIONS TO ITS MACHINES THAT ARE CONSIDERED IMPROVEMENTS. ALL DATA PRESENTED IN CATALOGS AND THIS OFFER ARE THEREFORE INDICATIVE AND NOT FINAL. Our machines are equipped for remote connection as part of the National Industry 4.0 Plan, allowing for easy human-machine interfacing. The 4.0 interfacing is handled by the software technician from our office in collaboration with an Itech technician, and the cost is considered additional.

TAURO SERIES

INSULATED GLASS PRODUCTION LINE

The TAURO Insulated Glass Production Line represents an “entry point” in our range and is designed to meet the needs of small to medium-sized glass factories. This solution combines affordability and compactness with a high level of flexibility and quality in insulated glass production, making it an ideal choice for those seeking reliable performance at a cost-effective price.

- Three-Section Washing with Six Brushes
- Profile Inspection and Assembly Area
- Pressing with or without Gas for Double or Triple Glazing
- Production of Shaped and Structural Glass
- Automatic Sealing
- Customizable Work Direction
- Industry 4.0 Integration Capable



Vertical Glass Seaming Machine

Vertical Glass Washing Machine

Automatic Panel Press

Sealing Robot



Vertical Glass Seaming Machine



APUS DRY PROCESSING

The APUS Vertical Dry Seaming Machine, represents the most compact and innovative solution on the market for glass edge processing. Fully automated, it is designed and patented to adapt to any type of glass, particularly Low-E glass. Moreover, thanks to its dry working method, it eliminates the use of water in the production process, ensuring significant savings for glassworks and contributing to environmental protection.

Patented ITECH



HIGHLIGHTS

- **Space Optimization**
With a length of only 7.7 meters, APUS is the most compact on the market
- **Ease of Use**
Fully automated glass dimension detection and management
- **High Productivity**
Processes two sides simultaneously, with a production speed of up to 30 meters/min
- **Versatility**
Designed for the production of insulated glass, tempered glass, and Low-E glass
- **Sustainability**
Eliminates water from the production process, leading to significant cost savings
- **Guaranteed Safety**
Safer manual operation and complete dust collection for a healthier environment
- **Reduced Maintenance**
Processing glass edges reduces component wear in other machinery
- **Remote Assistance**
Rapid problem resolution, reducing intervention costs and downtime by 50%
- **Unmatched Reliability**
100% Made in Italy components, CE certified

TECHNICAL DATA

Minimum Glass Size	L400 x H240 mm
	L3000 x H2000 mm L3000 x H2500 mm L3000 x H2700 mm (optional additional side frame up to L6000mm)
Maximum Glass Size	
Minimum Glass Thickness	3 mm
Maximum Glass Thickness	25 mm
Transport Speed	5 - 30 mt/min
Maximum Processing Speed	30 mt/min
Processing Speed	1 m ² : +/- 30 sec
Glass Transport Height	from 525 to 700 mm
Power Supply	400 V - 50Hz3Ph + Ground + Neutral
Minimum Operating Pressure	6 bar
Maximum Load	200 Kg/mt

AUTOMATIC FILTER CLEANING

To reduce the operator's maintenance time and costs, our vacuum cleaner is equipped with a "shot control unit," which automatically cleans the filters according to the preset time.



HANDLING AND SELF-LEARNING

The machine is equipped with automatic systems for measuring glass thickness and dimensions, which help reduce the risk of operator error. Furthermore, our edge-deletion unit is fitted with a glass transport belt driven by brushless motors, ensuring higher precision and improved work quality.

Vertical Glass Washing Machine



DOUBLE AND TRIPLE GLAZING

The TAURO Vertical Glass Washing Machine represents the pinnacle of three decades of technical expertise, providing a versatile and high-performance solution for washing glass sheets. It is especially suited for small to medium-sized glassworks and all types of glass, including Low-E. This machine can be used independently or easily integrated into any glass production line. It plays a crucial role in ensuring the cleaning and drying of sheets, thereby helping to maintain the quality of the final product.



HIGHLIGHTS

- **Structural solidity**
Long-term resistance ensured by an internal stainless steel structure
- **High productivity**
Efficient washing of glass up to 6 meters per minute, with thicknesses up to 25 mm
- **Plus Production**
Tall drive shafts, separated traction systems provide stability and enhanced cleanliness
- **Complete automation**
Automatic detection of thickness, adjustment of traction, brushes, and blowers
- **Professional washing**
Separate washing phases, with special jets, ensure effective dirt removal
- **Versatility**
Designed to adapt to all processing processes and all types of glass, including (Low-E)
- **Electricity savings**
Significant electricity savings due to the absence of compressed air consumption
- **Water savings**
Three recycling tanks and dedicated filters reduce operating costs
- **Easy maintenance**
Easily accessible and secure maintenance areas to ensure quick assistance
- **Remote assistance**
Rapid problem resolution, reducing intervention costs and machine downtime
- **Unmatched reliability**
100% Made in Italy components, CE certified

TECHNICAL DATA

Minimum Glass Size	L400 x H200 mm
Maximum Glass Size	L3000 mm x H1600 mm – H2000 mm – H2500 mm (length variable according to requests)
Minimum Glass Thickness	3 mm
Maximum Glass Thickness	12-25 mm
Transportation System	Rubber / Polyurethane rollers
Transportation speed	max. 6 meters per minute (from 2 to 6 meters per minute)
Brushes	6 brushes Ø150 for low-emissivity (Low-E)
Tanks & Pumps	N°3 independent tanks each with N°1 pump
Compressed Air	6 bar – 1/2
Blowers	N°2 air blades
Fans	N°1 high-pressure fan on insulated box
Filtration System	N°1 filter for each tank
Operator Interface	Touch screen panel with remote connection
Power Supply	400 V - 50Hz3Ph + Ground+ Neutral
Maximum Load	120 Kg
Glass Transport Height	650 mm (+/-50mm) (variable height based on requirements)

AUTOMATIC THICKNESS GAUGE

Our vertical washer is equipped with advanced automatic systems for measuring glass thickness and dimensions. Thanks to this innovative technology, operator workload is optimized, and the risk of human error during the production process is minimized.



FAN BOX ELEVATION

As an optional feature for the vertical washer, we offer a fan box elevation solution designed to lift and support the fan in position. This system provides ample clearance at the rear of the machine, allowing easier access and improving operational efficiency.



Electromechanical press



GAS INJECTION SYSTEM AND WITHOUT

“New entry” in the Itech family, the Electro-pneumatic Gas Filling Press represents the innovation of our established coupling press. Designed and patented to ensure fast and uniform gas insertion into the glass, our solution allows precise pressing of double, triple, shaped, and staggered glazed units, avoiding distortions and irregularities. Thanks to the central glass support system, there is no risk of misalignment, ensuring impeccable results.



HIGHLIGHTS

- **Total Automation**
Sensors for automatic detection of glass dimensions for pressing and gas injection
- **Triple Glass Alignment**
“Zero” risk of misalignment thanks to a central glass support system
- **Versatility**
Pressing of double, triple, shaped, and staggered glass lengths up to 3000 mm
- **High Productivity**
Pressing of thicknesses up to 80 mm, with a maximum speed of 34 meters per minute
- **Filling Quality**
Uniform gas injection of over 90% for improved thermal insulation
- **Pressing Quality**
Uniformity of pressing ensure coupling without deformations or irregularities
- **Energy Efficiency**
Reduced pneumatic consumption by 70% thanks to the installation of a vacuum pump
- **Reduced Risks**
The vacuum generation system, reduces the risk of glass breakage
- **Smart Solution**
The machine’s software allows complete management of the production process
- **Ease of Maintenance**
The open structure allows easy access to the main components for maintenance
- **Remote Assistance**
Quick problem resolution, reducing intervention costs and machine downtime
- **Unmatched Reliability**
100% Made in Italy components, CE certifie

TECHNICAL DATA

Minimum Glass Size	L400 x H200 mm
Maximum Glass Size	L3000 mm x H1600 mm – H2000 mm – H2500 mm (variable length upon request, up to 4 meters)
Maximum Glass Thickness	80 mm (extendable upon request)
Transportation Speed	34 mt/min
Gas Filling	Available with gas injection system and without
Triple Glass Pressing	Yes (with central glass support)
Shaped Glass Pressing	Yes
Structural Glass Pressing	Yes (standard: two sides, optional: all sides)
Power Supply	4,5kW
Voltage	400 V - 50Hz3Ph + Ground + Neutral
Maximum Load	250 Kg
Glass Transport Height	650 mm (+/-50mm) (height variable upon request)

MONITOR

Touch-screen operator panel, mounted on a console for improved ergonomics, with an intuitive interface that allows full control of all press (machine) operations, simplifying their use.



VACUUM PUMP

The machine is equipped with a vacuum pump for glass support, significantly reducing pneumatic consumption. Each suction cup features an automatic solenoid valve that opens and closes the airflow according to the glass size.



Automatic Glass Sealing Robot



DOUBLE GLAZING

The TAURO single-head Automatic Glass Sealing Robot represents an innovative solution designed for the precise and efficient sealing of shaped glass and double and triple glazed units with 90° corners. Fully automated, this device is equipped with electronic and mechanical systems controlled by multi-axis software managed by an industrial computer, offering glass manufacturers absolute versatility to meet the most complex sealing requirements.



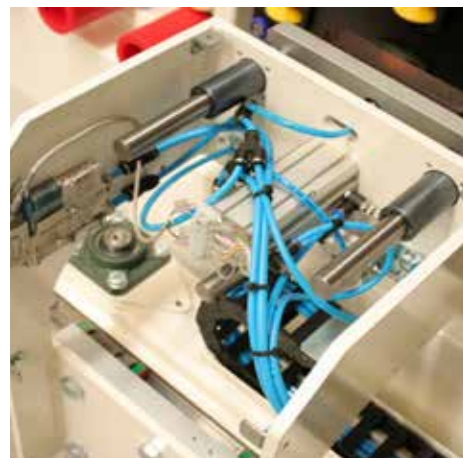
HIGHLIGHTS

- **Full automation**
Sensors on the conveyor and on the sealing head for fully automatic glass sealing
- **Advanced production**
Production of double, triple, and shaped panels with thicknesses up to 60 mm
- **High productivity**
Material extrusion up to 12 meters per minute with a sealing depth of over 17 mm
- **Extrusion quality**
Integrated heating system ensuring uniform extrusion under any condition (optional)
- **Versatility**
Variable materials mixing on the touch screen, compatible with major sealants on the market
- **Fewer imperfections**
Reduction of product imperfections and dirt using the “in-phase chain system”
- **Smart solution**
Constant monitoring of production parameters to prevent waste or interruptions
- **Easy maintenance**
Accessible greasing points, components easy to clean and/or replace
- **Remote assistance**
Quick problem resolution, reducing intervention costs and machine downtime
- **Unmatched reliability**
100% Made in Italy components, CE certified

TECHNICAL DATA

Minimum Glass Size	L400 x H200 mm
Maximum Glass Size	L3000 mm x H2500 mm (length variable according to requests)
Minimum Glass Thickness	12 mm
Maximum Glass Thickness	60 mm (up to 80 mm upon request)
Maximum Sealing Depth	17 mm (greater depth available on request)
Maximum Spacer Width	30 mm (greater width available on request)
Spacer Thickness	6 mm – 24 mm (standard nozzle) 20 mm – 30 mm (Optional thicker thickness head)
Sealing Nozzle Positioning	Automatic
Extruders	N°1/2 for bi-component
Maximum Extrusion Speed	18 mt/min
Maximum Transport Speed	25 mt/min
Triple Glass Sealing	Yes
Shaped Glass Sealing	Yes (with predefined shapes or DXF file loading)
Structural Glass Sealing	No
Large Glass Panels Unload System	No
Type of Sealants	Polysulfide, silicone, or polyurethane
A-B Component Ratio	Electronically variable via touchscreen
Power Supply	10kW
Voltage	400 V - 50Hz3Ph + Ground + Neutral
Maximum load	250 Kg
Glass Transport Height	650 mm (+/-50mm) (height can be adjusted based on requirements)





VACUUM SUCTION CUP SYSTEM

The machine is equipped with an electronic ejector that, once the preset vacuum level is reached, stops the suction airflow, thereby reducing compressed air consumption.

ROBOT SUPPORT FEET

The robot's traction system, thanks to support feet positioned perpendicularly to the glass axis, is designed to hold the central glass pane in place during triple-glazing production.



HEATING SYSTEM

The machine is equipped with a heating system for component A. This ensures a consistently stable operating temperature throughout all seasons and minimizes the need for operator parameter adjustments.

VARIABLE RATIO

The machine features a syringe-based sealant extrusion system with a variable ratio adjustable via touchscreen. This allows the machine to adapt to any commercially available sealant and to meet any certification requirements in the market.



Butyl Extruder Machine

INDIVIDUAL MACHINES

The semi-automatic butylating machine TAURO is a versatile solution designed for small glass shops seeking a balance between automation and manual control. Engineered to butylate spacer bars for insulating glass units of all sizes, including shaped ones, this machine ensures precision, stability, and high-quality results. With a load capacity of 8 kg and compatibility with profiles ranging from 5 mm to 32 mm in thickness, it offers an efficient and accessible production process.



TECHNICAL DATA

Tank Capacity	8 kg	Pneumatic Pressure	7/8 bar
Minimum/Maximum spacer thickness	5mm-32mm	Compressed Air Consumption (l/hour):	90/100
Precision in Head Positioning	+/- 0,1 mm	Power Supply	400 VAC 3 phases + neutral (50/60 Hz.)
Maximum Operating Speed	38 mt/min	Heating Phase Power Consumption	2,3 kW
Average Operating Speed	26 mt/min	Operating Phase Power Consumption	1,7 kW
Adjustable Extrusion Temperature	120/145°C	Total Installed Power	4500 VA
Charging Cylinder Diameter	200 mm	Sound Emission	55 dB
Adjustable Constant Butyl Extrusion	1,5/4,5 ml	Length	3000 mm
Recharge Time	3 min	Width	740 mm
Machine Warm-Up Time	40/50 min	Height	1130 mm
Hydraulic Pressure with Automatic Variation	60/140 bar	Weight	670 kg

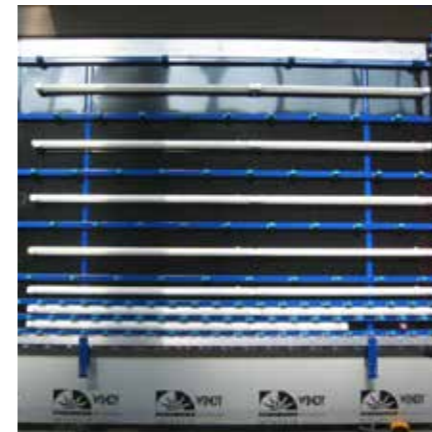
INDIVIDUAL MACHINES

VEGA SERIES

INSULATED GLASS PRODUCTION LINE

Projected in 2001, the VEGA Insulated Glass Production Line is our historic series and the “top of the range” in Itech’s offering. Unmatched for reliability, this line is designed for medium to large-sized glassworks with high production volume needs, without compromising on the quality of the finished product.

- Three-section washing with six brushes
- Profile inspection and assembly area
- Automatic glass thickness recognition
- Pressing with or without gas for double/triple/quadruple glass
- Production of shaped and structural glass
- Automatic sealing with corner finishing
- Customizable workflow direction



Vertical Glass Washing Machine



DOUBLE GLAZING

The VEGA Vertical Glass Washing Machine represents the pinnacle of Ittech's quality, designed to meet the needs of medium to large glassworks aiming to optimize their productivity. The VEGA series offers a versatile range of solutions, maintaining the highest standards of washing and drying for all types of glass, including Low-E glass. Completely made of stainless steel, this washer handles glass with thicknesses up to 50 mm, ensuring thorough cleaning and perfect drying.



HIGHLIGHTS

- **Structural Integrity**
Time-tested durability ensured by a fully AISI304 stainless steel structure
- **High Productivity**
Efficient washing of glass at speeds of up to 10 mt/min, for thicknesses of up to 50 mm
- **Complete Automation**
Automatic detection of glass thickness and adjustment of brushes, blowers
- **Plus Washing**
3 pairs of brushes, Ø170 mm diameter, featuring special nylon bristles for uniform cleaning
- **Professional Washing**
Separate washing phases with specialized jets ensure effective dirt removal
- **Versatility**
Designed to adapt to all processing methods and glass types, including Low-E glass
- **Electricity Savings**
Significant electricity conservation due to the absence of compressed air consumption
- **Water Conservation**
2/3 recycling tanks/filters reduce operational costs and environmental impact
- **Easy Maintenance**
Easily accessible and secure maintenance areas ensure swift assistance
- **Remote Assistance**
Rapid problem resolution reduces intervention costs and machine downtime by 50%
- **Unparalleled Reliability**
100% Made in Italy components, CE certified

TECHNICAL DATA

Minimum Glass Size	L400 x H200 mm
Maximum Glass Size	L3000 mm x H1600 mm/H2000 mm/H2500 mm Serie "JUMBO" L5000 mm x H2500 mm/H3210 mm (length variable according to requests)
Minimum Glass Thickness	3 mm
Maximum Glass Thickness	Serie "E" 12mm – Serie "S" 20mm – Serie "L" 50 mm
Transportation System	Rubber/polyurethane rollers
Transportation speed	10 mt/min max
Brushes	4/6 brushes Ø120-150-170 for low emission, with independent motors
Tanks & Pumps	N°2/3 independent tanks each with N°1 pump
Compressed Air	6 bar – 1/2
Blowers	N°2/4 air blades
Fans	N°1/2 high pressure fan on insulated box
Motorization	N°1 motor for washing section N°1 motor for drying section
Filtration System	N°1 filter for each tank
Operator Interface	Touch screen panel with remote connection
Power Supply	400 V - 50Hz3Ph + Ground + Neutral
Maximum Load	800Kg (variable according to models)
Glass Transport Height	650 mm (+/-50mm) (variable height based on requests)



Automated Gas Filling Press



GAS INJECTION SYSTEM AND WITHOUT

The VEGA Automatic Gas Filling Press represents the top of the range for medium to large glass companies specializing in insulating glass production. Designed to ensure fast and uniform gas insertion, our solution allows precise pressing of double, triple, quadruple, shaped, structural, or staggered glazed units with thicknesses up to 100 mm. Thanks to its advanced technology, the VEGA press ensures high efficiency and consistent quality of the insulating glass, meeting the needs of the most demanding customers. Available also without gas injection system.



HIGHLIGHTS

- **Total Automation**
Sensors for automatic glass dimension detection for pressing and gas injection
- **Triple Glassing**
Zero risk of misalignment thanks to the central glass support system during work phases
- **Versatility**
Pressing of double, triple, quadruple, shaped, and staggered glass up to 3000/5000 mm
- **High Productivity**
Pressing thicknesses up to 100 mm, with a maximum speed of 40 meters per minute
- **Filling Quality**
Uniform gas injection exceeding 90% for improved thermal performance of the glass
- **Pressing Quality**
Precision & uniformity of pressing ensure products without deformations/irregularities
- **Energy Efficiency**
70% reduction in pneumatic consumption thanks to the installation of a vacuum pump
- **Reduced Risks**
Vacuum generation system with a recovery tank reduces the risk of glass breakage
- **Smart Solution**
Software allows complete management of the production process and gas recipes
- **Ease of Maintenance**
The open structure allows easy access to main components for maintenance
- **Remote Assistance**
Quick problem resolution, reducing intervention costs and machine downtime by 50%
- **Unmatched Reliability**
100% Made in Italy components, CE certified

TECHNICAL DATA

Minimum Glass Size	L400 x H200 mm
Maximum Glass Size	L3000 mm x H1600 mm/ H2000 mm/ H2500 mm Serie "JUMBO" L5000 mm x H2500 mm /H3210 mm (variable length based on requests, up to 4 meters)
Maximum Glass Thickness	60/80/100 mm (larger on request)
Transportation Speed	40 mt/min
Gas Filling	available in versions with or without gas
Triple Glass Pressing	Yes (with central glass support)
Quadruple Glass Pressing	Yes (with central glass support)
Shaped Glass Pressing	Yes
Structural Glass Pressing	Yes (standard: two sides, optional: all sides)
Power Supply	400 V - 50 Hz, 3-phase + Earth + Neutral
Maximum Load	800Kg (variable according to models)
Glass Transport Height	650 mm (+/-50mm) (height variable according to requests)



Automatic Glass Sealing Robot



VEGA SERIES

The VEGA single-head Automatic Glass Sealing Robot represents the ultimate solution for insulating glass sealing. Designed to meet the needs of medium and large-sized glassworks, our machine is capable of sealing shaped glass and double, triple, and staggered glazed units with 90° corners and thicknesses up to 100 mm. Thanks to its advanced technology and reliability, the automated VEGA robot offers high efficiency and unparalleled sealing quality.



HIGHLIGHTS

- **Complete Automation**
Sensors on the traction and sealing head for fully automatic glass sealing
- **Advanced Production**
Designed for double, triple, shaped, and staggered panels up to 100 mm
- **High Productivity**
Variable extrusion speeds for each spacer with sealing depths up to 45 mm
- **Extrusion Quality**
Integrated heating system ensuring uniform extrusion in all conditions
- **Versatility**
Variable mixing on touchscreen, compatible with major sealants on the market
- **Fewer Imperfections**
High-quality finishes thanks to the roller applied on the head
- **Smart Solution**
Dual syringe extrusion system to eliminate reload times and increase productivity
- **Easy Maintenance**
Accessible grease points, components easy to clean and/or replace
- **Remote Assistance**
Rapid problem resolution, reducing intervention costs and machine downtime by 50%
- **Unparalleled Reliability**
100% Made in Italy components, CE certified

TECHNICAL DATA

Minimum Glass Size	L380 mm x H180 mm
Maximum Glass Size	L3000 mm x H2000 mm / H2500 mm "JUMBO" Series L5000 mm x H3210 mm (increased length on request)
Glass Thickness	12 mm - 60 mm (up to 100 mm upon request)
Maximum Panel Thickness	60 mm (higher thickness on request)
Maximum Sealing Depth	45 mm (greater depth on request)
Spacer Thickness	6 mm - 24 mm (standard head) 20 mm - 30 mm (optional head for greater thicknesses)
Sealing Nozzle Positioning	Automatic
Extruders	N°1/2 per bi-component
Maximum Extrusion Speed	18 mt/min
Maximum Transport Speed	40 mt/min max
Triple Glass Sealing	Yes
Shaped Glass Sealing	Yes (with preset shapes or DXF file loading)
Structural Glass Sealing	Yes (optional)
Large Glass Panels Unload System	Yes (optional)
Type of Sealants	Polysulfide, silicone, or polyurethane
A-B Component Ratio	Electronically variable via touchscreen
Power Supply	10kW (variable based on the model)
Voltage	400 V - 50Hz3Ph + Ground + Neutral
Maximum Load/Conveyor	1000Kg (variable based on the model)
Glass Transport Height	650 mm (+/-50mm) (variable height based on requests)



Glass Rotating Corner Conveyor

INDIVIDUAL MACHINES

Our Glass Rotating Corner Conveyor has been designed to safely and effortlessly rotate single glass panes or insulating glass units by 90°. The Itech solution can be positioned at the end of any processing stage, machine, or insulating glass line, or wherever a 90° glass sheet rotation is required due to workspace or production needs.



TECHNICAL DATA

Minimum Glass Dimensions	L380 mm x H180 mm	Monitoring	Controlled via PLC through operator panel
Maximum Glass Dimensions	L3500 mm x H2500 mm (+500mm on request)	Transport system	Frictioned Polyurethane Rollers
Maximum Load	250 kg	Motors	N° 1
Transport Speed	Up to 40mt/min	Sensors	N° 2
Rotation Angle	90°	Power supply	3kw
Overall Dimensions	L3500mm x 3000mm x H3200mm	Voltage	400 V - 50Hz3Ph + Ground + Neutral
Glass Transport Height	650 mm (+/- 50mm) (variable upon request)	Weight	1000 kg

SPACER CUTTING MACHINE

Our Motorized Two-Blade Spacer Cutting Machine, equipped with an integrated remote control system, is designed to cut a wide range of spacers, including aluminum, stainless steel, and plastic profiles. With the implementation of two blades, the operator can switch cutting modes with a simple command, ensuring unparalleled flexibility during production. It is now also available with "English Style Window" profile processing to divide your glass into multiple panes of varying sizes.



BI-COMPONENT EXTRUDER

For glass shops that intend to seal manually, Itech offers a range of manual extruders. Available in 25lt or 200lt bi-column versions, they are easy to use and allow for the adjustment of the ratio between component A and the catalyst.



HOT MELT

The Hot Melt 25lt extruder is designed for glass shops that, due to production and logistical needs, require a "mobile" extruder. Our block extruder, with electronic temperature regulation for insulating glass unit sealing using hot melt sealant, is equipped with wheels to facilitate easy movement.





DESICCANT FILLING MACHINE

Suitable for all glass shops, our manual salt loader is an easy-to-use device for inserting desiccant salt into the spacer bars of insulating glass units. The filling process occurs by gravity, as the salt container is positioned at the highest point of the machine. The upper tank is heated to maintain the hygroscopic properties of the desiccant. The chute is equipped with a vibrator to ensure complete and uniform filling of the profiles.



TILTING DESICCANT FILLING MACHINE

New at Itech: our manual salt loader becomes tilting! The device is an ideal solution for the easy insertion of desiccant salt into insulating glass channels. Profile positioning and salt loading is done with the slide placed horizontally. Through operator control then, a piston moves the table to a maximum tilt of 30° to allow the product to completely fill the spacer.



ABRASIVE DISCS

The effectiveness of the processing is ensured by the use of specially designed lamellar abrasive discs for glass, which simultaneously edge the two corners on each side. The movement axes, controlled via numerical control, guarantee unmatched speed, precision, and uniformity in the edge-deletion process.

Available in different grits:
005429A = 220
005429B = 180
005429C = 320
005429D = 120
005429E = 60

FREEZER

The Thiokol Freezer is a fundamental component for the manual extruder, playing a crucial role in maintaining the two materials (base and catalyst) at a constant temperature below -25°C. This ensures a continuous and uninterrupted workflow, guaranteeing high-quality sealing. The freezing system prevents reactions and avoids losses, the use of solvents, and waste. Operators can work efficiently, minimizing environmental impact and maximizing productivity.



SILICONE CLEANING PUMP

The Silicone Pneumatic Cleaning Pump represents an excellent solution for cleaning and maintaining mixing systems and both manual and automatic extruders. This pneumatic washing pump can be manually operated and features a 30-liter stainless steel tank. It is specifically designed to hold the cleaning liquid necessary for purging the base component and catalyst during the sealing process. Our product offers professional-grade cleaning while ensuring safe usage.



GLASS ROLLER PRESS MACHINE

The Glass Roller Press Machine represents a semiautomatic solution designed for small glassworks requiring flexibility and versatility in IGU (insulating glass unit) production. Our machine is engineered for the pressing of double and triple-glazed units, with thicknesses ranging from 12 mm to 50 mm. Thanks to its semi-automatic configuration, it offers an excellent combination of precision and ease of use, allowing glassworks to achieve high-quality results.





IGU SCANNER

The Itech IGU Scanner is a cutting-edge solution for quality control of glass, providing an advanced system for detecting defects such as bubbles, inclusions, scratches, fingerprints, low-emissivity coating defects, residues, and dirt. It has been designed to ensure the highest product quality, meeting the demands of the most discerning glassworks.

ROTARY SEALING TABLE

Our rotating table is designed to assist the operator in handling insulating glass units during manual sealing. It features a central mobile suction cup for small-sized glass. For medium and large glass, there are four suction cups positioned at the corners. The movement is controlled by an inverter, offering continuous speed adjustment. Rotation steps are 90°/360°.

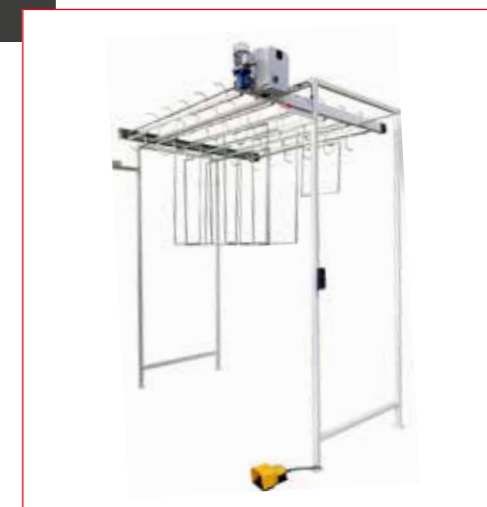


LABEL PRINTER

To optimize time and ensure precise, careful work, ITECH provides label printers that are customizable (logo, customer, order number, etc.)

SPACER FRAME CONVEYOR

Our Motorized Overhead Spacer Frame Conveyor is designed to support insulating glass profiles before their installation on the glass, providing an efficient solution for storing spacer bars in glassworks. Its fixed structure and sliding anchors ensure optimal support for the profiles, allowing for manual movement via a foot pedal or fully automated operation, depending on the specific needs of the operator.

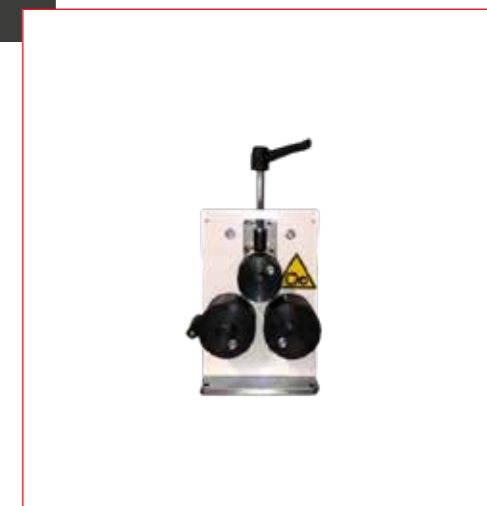


VACUUM LIFTING MANIPULATOR

Our Glass Vacuum Lifting Manipulator is designed to simplify glass handling in glassworks, featuring a single or double suction cup system that can be directly mounted on a hoist or overhead crane. With its easy integration, this manipulator allows for the safe movement of glass sheets of various sizes with minimal effort and precise control.

PROFILE BENDING MACHINE

Our Manual Profile Bending Machine is the result of the diligent work of our Itech technicians. Featuring a compact design and robust structure, it has become the preferred choice for many glassworks in the production of curved insulating glass units. Extremely intuitive to use, it offers unparalleled versatility, allowing the operator to easily adjust the special metal wheels/rollers to bend spacer profiles of any length and thickness.





TILTING CONVEYOR ITBR

The Glass Tilting Conveyor ITBR is a solution designed for the transportation and rotation of glass, ensuring smooth and safe transfer from single glass sheets to insulated glass units. This device enables a quick and reliable transition from vertical to horizontal positions and vice versa, optimizing space in the glass factory environment and providing unparalleled versatility. With mechanical cylinders, the machine's tilt can be precisely adjusted, achieving a transfer speed of up to 40 meters per minute, ensuring a continuous flow of panels without interruptions.

HORIZONTAL ROLLER CONVEYOR

The horizontal roller conveyor is designed to be paired with/integrated into horizontal processing lines, enabling the safe movement of glass sheets of various sizes. Depending on our customers' needs, we can provide it with either wheel or roller movement. It is also available with retractable swivel wheels for glass rotation and positioning.



GLASS WASHING MACHINE

The Glass Horizontal Washing Machine is designed to meet the needs of glassworks of any size that perform bilateral grinding or other flat glass processing horizontally. Our solution integrates a washing process with 4-6 brushes and a drying process with 2-4 blowers. This highly customizable system has been specially developed to efficiently and precisely handle large volumes of glass, ensuring uniform cleaning and drying while minimizing damage during transport.

GLASS STORAGE RACKS

Glass storage rack of various sizes to facilitate the storage and handling of glass in the warehouse. We can supply them as mobile units equipped with wheels or as fixed models to be moved using a forklift or hoist.



TILTING CONVEYOR ITTB

The Glass Tilting Conveyor ITTB is designed for the handling and, if necessary, the rotation of single glass sheets or insulated glass units. This rack quickly and safely transitions from a vertical to a horizontal position and vice versa, optimizing space in the glass factory and offering great versatility. The machine's tilt is controlled by mechanical cylinders and can achieve a transfer speed of up to 40 meters per minute, ensuring a continuous flow of panels.

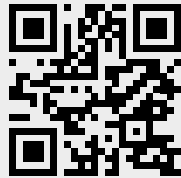
REVERSE OSMOSIS DEMINERALIZER

The Reverse Osmosis Water Demineralizer is a practical and cost-effective solution for filtering and improving the hardness of the water used in washing stations. It is particularly recommended for glassworks operating with high conductivity water, as elevated salinity levels can compromise the effectiveness of glass washing. The Itech machine features a 500-liter tank and a demineralization capacity of 150 liters per hour, ensuring a consistent supply throughout the entire glass washing process.





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