

IN STOCK

GFB-60/30RE

LISEC - Float cutting table, 2017

GFB-60/30RE (2017)

Float

Technical Specifications:

Producer: LiSEC

Power Supply: 3/N/PE – 50 Hz – 400 V

Installed Power: 21.67 kVA

Installed Power (kW): 25.83 kW

Special Execution Power: 8.44 kW

Rated Current: 31.28 A

Simultaneity Factor: 0.5594

Cutting Speed: 120 m/min

Conveyor Speed: 40 m/min

Conveyor Height: 920 mm

Glass Thickness Range: 2.3–19 mm

Minimum Glass Thickness: 2.3 mm

Maximum Glass Thickness: 19 mm

Minimum Processing Length: 1,600 mm

Maximum Processing Length: 6,000 mm

Maximum Glass Size: 3,300 mm

Net Weight: 5,790 kg

Gross Weight: 6,040 kg

Transport Weight Allowance: 250 kg

Automatic Glass Reversal System: No

Automatic Tool Change: No

Cutting Pressure Control: Electronic

Reference Position: Right

Glass Stops: Single-sided

Special Shapes: Arches

Data Input: USB + Online

Air Pressure: 6 bar

Air Consumption: 40 l/min

Air Cushion: Yes

Automatic Finishing Brush: Yes

Cutting Oil: ACPE 5250 + ACPE 5503

CE Certification: Yes

The float glass cutting table performs automatic CNC scoring of monolithic glass sheets, using an air-cushion worktable to facilitate material movement. The system incorporates pneumatic breaking bars to ensure clean glass separation, as well as optional modules for edge deletion on low-emissivity (Low-E) glass. It ensures high precision in both straight-line cutting and high-speed shape cutting.



IN STOCK

352 LMT

BOTTARO – Float cutting table, 1996

Bottero 352LMT/935 (1996)

Float

Technical Specifications:

Producer: Bottero

Power Supply: 3/N/PE – 50 Hz – 400 V – 16 kVA

Installed Power Approximately 13–16 kVA, depending on configuration

Machine Type: CNC automatic monolithic glass cutting table

Maximum Glass Size: Up to 3,650 × 2,750 mm

Maximum Glass Size (Jumbo J Version): Up to 6,000 × 3,300 mm

Glass Thickness Range: 2–19 mm

Maximum Optional Glass Thickness: Up to 25 mm

Maximum Carriage Speed: 200 m/min

Maximum Carriage Speed with LMT: 160 m/min

Maximum Bridge Speed 140 m/min

Low-E Coating Removal Speed (LMT): Up to 160 m/min

Straight Cutting Accuracy: ±0.15 mm

Working Table Height: 930 mm (adjustable by ±40 mm)

Main Features:

CNC control for straight and shaped glass cutting.

Working table covered with low-friction felt.

Air cushion system for glass handling.

Automatic cutting pressure adjustment.

LMT system for Low-E coating removal.

Longitudinal and transverse pneumatic glass-breaking bars.

Configuration: Standalone machine or integration into a production line, depending on the configuration.

The Bottero 352 LMT (BCS / EVO line) is a high-end CNC cutting table designed for straight and shaped cutting of monolithic float glass. The LMT designation identifies the integration of the grinding and edge-deletion system for low-emissivity (Low-E) glass, which removes the metallic coating through a high-speed processing cycle. Featuring a robust structure and a high-performance felt-covered wooden worktable, it drastically reduces friction thanks to a powerful air cushion system.



IN STOCK

GFB-60/30

LiSEC – Float cutting line with automatic X-breaking, 2002

GFB-60/30 (2002)
BTA-X21/33 (2002)
BTH-37/33 (2002)
TFB-33 (2002)
BTA-21/33 (2002)

Float cutting line with automatic X-breaking

Technical Specifications:

ProdProducer: LiSEC
Machine Colour: LiSEC Blue
Power Supply: 3/N/PE – 50 Hz – 400 V
Connected Electrical Load: 15.00 kVA
Pneumatic Connection Pressure: 8 bar
Compressed Air Consumption: 40 l/min
Glass Thickness Range: 3–12 mm
Minimum Glass Thickness: 3 mm
Maximum Glass Thickness: 12 mm
Minimum Processing Length: 1,600 mm
Maximum Processing Length: 6,000 mm
Maximum Processing Width: 3,300 mm
Cutting Speed: 100 m/min
Conveyor Speed: 40 m/min (selectable 20 or 40 m/min)
Transport Height: 870 mm
Machine Height: 1,470 mm
Cutting Pressure Control: Manual
Positioning Reference: Left in the direction of travel
Automatic Reverse Travel System: No
Special Shapes: No
Data Input: 3.5-inch floppy disk
Machine Language: Italian
Operating and Maintenance Manual Language: Italian
Air Cushion System: Yes, with additional air cushion for transport
Cutting Oil: ACPE 5250 (for glass up to 12 mm)
Preceding Machine: ATL – Crane-Loading System
One-Metre Section at Cutting Table: Not included
Special Execution: Yes
CE Certification: Yes
Tropical Version: No
Overseas Transport Preparation: No
Net Weight: 5,640 kg
Gross Weight: 5,890 kg
Transport Weight Allowance: 250 kg
Maximum Load: 693 kg
Maximum Floor Load: 35 kg/m²

The described configuration constitutes an integrated and synchronized industrial production line, designed for the automatic processing of monolithic/float glass, including CNC scoring, conveying, and automatic X breaking operations. The line supports the processing of Jumbo-size glass sheets.



IN STOCK

ESL-60/30RS

LiSEC - Combo cutting table, 2002

ESL-60/30RS (2002)

VB-45 (2010)

BTH (1998)

Combo cutting table

Technical Specifications:

Producer: LiSEC
Machine Colour: LiSEC Blue
Transport Height: 870 mm
Power Supply: 3/N/PE – 400 V – 50 Hz
Control Voltage: 24 V DC
Glass Thickness Range: 3–12 mm
Minimum Glass Thickness: 3 mm
Maximum Glass Thickness: 12 mm
Conveyor Speed: 40 m/min
Operating Mode: Automatic loading – manual unloading
Maximum Throughput Length: 6,000 mm
Maximum Glass Size: 6,000 × 3,300 mm
Minimum Height for Automatic Positioning: 3,210 mm
Automatic Glass Reversal System: No
Coated Glass Edge Deletion Width: Fixed, 10 mm
Edge Deletion Speed Control: Constant peripheral speed
Positioning Reference: Right in the direction of travel
Special Shapes: Arches
Data Input: 3.5-inch floppy disk
Machine Identification Language: Italian
Operating and Maintenance Language: Italian
Rack Covers: Yes
Cutting Pressure Control: Manual
Number of Conveyor Belts: 6
Glass Positioning Stops: Stainless steel stop, without ARD, position according to ATH
Cutting Oil: ACPE 5250 + ACPE 5503, for 12 mm glass and coated glass
Preceding Machine: ATH – Single-Sided Loader
Subsequent Machine: BTS/BTH – Manual Glass Breaking Table
Machine Configuration: ESL-RS, cutting speed 120 m/min
One-Metre Section: Included, on the BTH/BTS side
Overseas Transport Preparation: No
CE Certification: No
Installed Electrical Power: 28.00 kVA
Pneumatic Supply Pressure: 8 bar
Compressed Air Consumption: 1,100 l/min
Maximum Load: 693 kg / 35 kg/m²
Minimum Processable Glass Size: 1,600 × 1,600 mm
Maximum Processable Length: 6,000 mm
Maximum Processable Width: 3,300 mm
Machine Height: 1,660 mm
Net Weight: 6,380 kg
Gross Weight: 6,680 kg
Transport Weight Allowance: 300 kg

The combined glass cutting table performs automated scoring and breaking of both monolithic (float) glass and laminated glass on the same work surface. The system integrates CNC-controlled cutting heads for float glass and opposing modules equipped with infrared lamps to cut and separate the plastic interlayer in laminated glass. It is the ideal solution for optimizing factory floor space by eliminating the need for two separate cutting lines.



IN STOCK

ESL-60/30EF

LiSEC – Float Cutting line with automatic x and Y breaking, 2006

ESL-60/30EF (2006)

BTA-50/33 (2006)

TBX-33/19 (2006)

BTA-30/33 (2006)

BTH-60/30 (2006)

Float Cutting line with automatic x and Y breaking

Technical Specifications:

Producer: LiSEC

Machine Colour: LiSEC Blue

Transport Type: Horizontal

Transport Height: 870 mm

Power Supply: 3/N/PE – 400 V – 50 Hz

Glass Thickness Range: 2.3–19 mm

Conveyor Speed: 20 or 40 m/min

Operating Mode: Automatic infeed

Maximum Throughput Length: 6,000 mm

Maximum Glass Size: 6,000 × 3,300 mm

Minimum Processing Size: 1,600 × 1,600 mm

Minimum Processable Glass Thickness: 2.3 mm

Maximum Processable Glass Thickness: 19 mm

Automatic Positioning System: Reference height 3,210 mm

Automatic Return System: Not included

Positioning Reference: Left-hand side in the direction of travel

Special Shapes: Arches

Data Input: 3.5-inch floppy disk and online connection

Rack Covers: Protected drive racks

Cutting Pressure Control: Manual

Number of Conveyor Belts: 6

Glass Positioning Stops: Single-sided supports

Cutting Oil: ACPE 5250 and ACPE 6000, for glass up to 19 mm

Upstream Machine: ATL – Crane-Loading System

Downstream Machine: BTA – Horizontal Conveyor Section

Automatic Finishing Brush: Not included

Measuring Section on Cutting Table: Not included

CE Certification: Yes

Tropicalized Version: Not included

Special Execution: Yes

Machine Label Language: Italian

Operating and Maintenance Manual Language: Italian

Machine Height: 1,550 mm

Net Weight: 5,790 kg

Gross Weight: 6,040 kg

Transport Weight Allowance: 250 kg

Installed Apparent Power: 24.49 kVA

Installed Electrical Power: 18.14 kW

Additional Electrical Power for Special Execution: 7.00 kW

Full-Load Current: 35.35 A

Largest Consumer Current: 7.40 A



CATALOGO COMPLETO

MA-DE.SOLUTIONS/GLASSTEC

Simultaneity Factor: 0.90
Maximum Power of Largest Consumer: 4.10 kW
Compressed Air Pressure: 8 bar
Compressed Air Consumption: 140 l/min
Maximum Load: 1,016 kg
Maximum Surface Load: 51 kg/m²
Overseas Shipping Preparation: Not included

The described configuration constitutes an integrated and synchronized industrial production line, designed for the automatic processing of monolithic/float glass, including CNC scoring, conveying, and automatic X and Y breaking operations. The line supports the processing of Jumbo-size glass sheets.



IN STOCK

GFB-60/30

LiSEC - Combo cutting table, 2007

GFB-60/30 (2007)

VB-45 s/n (2007)

LKT-33 s/n (2007)

BTH-60/30 (2007)

Combo cutting table

Technical Specifications:

Producer: LiSEC
Machine Colour: LiSEC Blue
Power Supply: 3/N/PE – 400 V – 50 Hz
Installed Apparent Power: 8.64 kVA
Installed Electrical Power: 13.14 kW
Full-Load Current: 12.47 A
Largest Consumer Current: 7.40 A
Simultaneity Factor: 0.4382
Maximum Power of Largest Consumer: 4.10 kW
Glass Thickness Range: 2.3–19 mm
Minimum Glass Thickness: 2.3 mm
Maximum Glass Thickness: 19 mm
Minimum Processing Size: 1,600 × 1,600 mm
Maximum Processing Length: 6,000 mm
Maximum Processing Width: 3,300 mm
Cutting Speed: 100 m/min
Conveyor Speed: 20 or 40 m/min
Transport Height: 900 mm
Automatic Reverse Travel System: No
Positioning Reference: Left-hand side in the direction of travel
Special Shapes: Shapes with arches
Data Input: 3.5-inch floppy disk and online connection
Machine Identification Language: Italian
Operating and Maintenance Manual Language: Italian
Cutting Pressure Control: Manual
Glass Positioning Stops: Double-sided support rollers
Air Cushion System: Additional air cushion for transport
Cutting Oil: ACPE 5250 + ACPE 6000 (for glass up to 19 mm)
Upstream Machine: ATH – Single-Sided Loader
Downstream Machine: VB – Laminated Glass Cutting System
Automatic Finishing Brush: Not included
One-Metre Section: Included, on the VB side
NC Code Converter: Not included
CE Certification: Yes
Tropicalized Version: No
Special Execution: Yes
Overseas Transport Preparation: No
Machine Height: 1,500 mm
Net Weight: 5,790 kg
Gross Weight: 6,040 kg



Transport Weight Allowance: 250 kg
Pneumatic Supply Pressure: 8 bar
Compressed Air Consumption: 140 l/min
Maximum Load: 1,016 kg
Maximum Surface Load: 51 kg/m²

The combined glass cutting table performs automated scoring and breaking of both monolithic (float) glass and laminated glass on the same work surface. The system integrates CNC-controlled cutting heads for float glass and opposing modules equipped with infrared lamps to cut and separate the plastic interlayer in laminated glass. It is the ideal solution for optimizing factory floor space by eliminating the need for two separate cutting lines.



IN STOCK

PTV-60/30K

LiSEC - Lami tilting cutting table, 2007

PTV-60/30K (2007)

VB-33 (2007)

LKT-37/33 (2007)

Lami tilting cutting table

Technical Specifications:

Producer: LiSEC

Machine Colour: LiSEC Blue

Power Supply: 3/N/PE – 400 V – 50 Hz

Installed Apparent Power: 22.11 kVA

Installed Electrical Power: 16.34 kW

Full-Load Current: 31.92 A

Largest Consumer Current: 7.40 A

Maximum Power of Largest Consumer: 4.10 kW

Simultaneity Factor: 0.9022

Glass Thickness Range: 2.3–12 mm

Minimum Glass Thickness: 2.3 mm

Maximum Glass Thickness: 12 mm

Minimum Processing Size: 1,600 × 1,600 mm

Maximum Processing Length: 6,000 mm

Maximum Processing Width: 3,300 mm

Transport Type: Without drive

Transport Height: 870 mm

Positioning Reference: Right-hand side in the direction of travel

Data Input: 3.5-inch floppy disk and online connection

Glass Positioning Stops: Single-sided support rollers

Machine Identification Language: Italian

Operating and Maintenance Manual Language: Italian

Upstream Machine: None

Downstream Machine: VB – Laminated Glass Cutting System

One-Metre Section: Not included

CE Certification: Yes

Tropicalized Version: No

Special Execution: No

Overseas Transport Preparation: No

Machine Height: 3,810 mm

Net Weight: 5,550 kg

Net Weight: 5,550 kg

Gross Weight: 5,575 kg

Transport Weight Allowance: 25 kg

Pneumatic Supply Pressure: 6 bar

Compressed Air Consumption: 20 l/min

Maximum Load: 655 kg

Maximum Surface Load: 33 kg/m²

High-performance industrial system for processing and cutting laminated glass in large formats (Jumbo sizes up to 3,300 mm). The line consists of three modules: the PTV-60/30K positioning and tilting table, the VB-33 laminated glass cutting bridge featuring infrared technology for PVB interlayer separation, and the LKT-37/33 final breaking and unloading table, equipped with an air cushion system and pneumatic glass-breaking bars. A robust, precise, and reliable solution for high-throughput glass processing facilities.



CATALOGO COMPLETO

MA-DE.SOLUTIONS/GLASSTEC

IN STOCK

STORAGE SYSTEM

MOVETRO - Automatic Glass Storage and Sorting System, 2013

Movetro Automatic Glass Storage and Sorting System – 32 positions (2013)

The system is an automatic glass storage and sorting system with a comb-type or opposing-module configuration, designed for high-density storage, rapid handling, and automated feeding of standard or Jumbo-size glass sheets.

The system consists of three integrated main components:

32-Position Storage System: A heavy-duty steel structure divided into 32 storage positions, designed to accommodate glass racks or glass sheet packs in a vertical orientation. This configuration optimizes floor space and allows selective storage and retrieval of individual production orders.

Automatic Shuttle System: A motorized transfer unit moving along the central aisle of the installation. The shuttle automatically retrieves the required glass rack or glass pack from its designated storage position and transfers it to the unloading area, reducing manual handling and associated risks.

Automatic Loader: A glass-picking device equipped with a vacuum suction system. The loader interfaces directly with the shuttle to separate individual glass sheets and place them horizontally onto the downstream cutting table, adjusting the vacuum circuits according to the dimensions of the glass being processed.

Technical Specifications:

System Type: Automatic glass storage and sorting system

Storage Capacity: 32 positions

Glass Handling System: Automatic motorized shuttle

Loading System: Automatic glass loader

Glass Storage Configuration: Vertical

Glass Loading Orientation: Horizontal

Glass Handling Technology: Vacuum suction system

Parking Positions for Glass Racks: 3, equipped with rack support pins

Glass Format: Standard and Jumbo sizes

Operation: Automatic storage, retrieval, and feeding

Downstream Equipment: Glass cutting table



IN STOCK

LiSEC

VHW-25/V8

LiSEC – Vertical washing machine, 1996

LiSEC VHW-25/V8 (1996)

Technical Specifications:

Producer: LiSEC

Running Direction: Left to right

Glass Transport: Vertical transport with an inclination of less than 6°

Transport Height: 520 mm

Power Supply: 220/380 V – 50 Hz

Control Voltage: 24 V DC

Glass Thickness: 3–15 mm for coated glass; 3–30 mm for uncoated glass

Maximum Load: 375 kg/m

Conveyor Speed: Variable, from 3 to 12 m/min

Maximum Glass Dimensions: Maximum height/width: 2,500 mm

Minimum Glass Dimensions: 350 × 180 mm

Maximum Noise Level: 84 dB(A)

Washing System Heating: 1 heated tank and 1 sand filter

Automatic Return System: Not available

Glass Coating: Coating on one side only

Water Recirculation System: 4 washing zones: 3 brush zones and 1 spray zone, with water recirculation

Roller Brush Speed: Constant speed for all brushes

Brush Bristle Configuration: Pre-washing zone: rear side Ø 0.3 mm; front side Ø 0.3 mm. Main washing zone: rear side Ø 0.3 mm; front side Ø 0.15 mm

Accumulation Function: Available

Machine Label Language: German

Operating and Maintenance Manual Language: German

Installation Position: Can be installed independently of upstream and downstream machines

The LiSEC VHW-25/V8 is an automated industrial vertical washing station designed for the thermomechanical washing and continuous drying of monolithic, laminated, and bonded glass sheets. The 8-brush system (V8) and multi-zone process control ensure the thorough removal of dust, processing residues (from grinding and cutting), and metallic oxides, preparing the glass surface to meet the standards required for the structural sealing of insulating glass units (IGUs).



IN STOCK

VHW-D33/V6

LiSEC – Vertical washing machine, 2019

LiSEC VHW-D33/V6 (2019)

Technical Specifications:

Producer: LiSEC

Passage Direction: Left to right

Glass Transport: Vertical transport with an inclination of less than 6°

Transport Height: 520 mm

Power Supply: 220/380 V – 50 Hz

Control Voltage: 24 V DC

Glass Thickness: 3–15 mm for coated glass; 3–30 mm for uncoated glass

Maximum Load: 375 kg/m

Conveyor Speed: Variable, from 3 to 12 m/min

Maximum Glass Dimensions: Maximum height/width: 2,500 mm

Minimum Glass Dimensions: 350 × 180 mm

Maximum Noise Level: 84 dB(A)

Washing System Heating: 1 heated tank and 1 sand filter

Automatic Return System: Not available

Glass Coating: Coating on one side only

Water Recirculation System: 4 washing zones: 3 brush zones and 1 spray zone, with water recirculation

Roller Brush Speed: Constant speed for all brushes

Brush Bristle Configuration: Pre-washing zone: rear side Ø 0.3 mm; front side Ø 0.3 mm. Main washing zone: rear side Ø 0.3 mm; front side Ø 0.15 mm

Accumulation Function: Available

Machine Label Language: German

Operating and Maintenance Manual Language: German

Installation Position: Can be installed independently of upstream and downstream machines

The LiSEC VHW-25/V8 (2019 generation) is a top-of-the-range vertical processing system designed for thermomechanical washing, precision rinsing, and ultra-fast drying of monolithic and laminated glass sheets. Thanks to its 8-brush system (V8) and advanced modular construction, it is ideally suited for integration into high-speed insulating glass unit (IGU) production lines or for use as a glass preparation station prior to tempering and lamination.



IN STOCK

VHW-25/6M

LiSEC – Vertical washing machine, 1994

LiSEC VHW-25/6M (1994)

Technical Specifications:

Producer: LiSEC

Running Direction: Left to right

Glass Transport: Vertical transport with an inclination of less than 6°

Transport Height: 520 mm

Power Supply: 220/380 V – 50 Hz

Control Voltage: 24 V DC

Glass Thickness: 3–15 mm for coated glass; 3–30 mm for uncoated glass

Maximum Load: 375 kg/m

Conveyor Speed: Variable, from 3 to 12 m/min

Maximum Glass Dimensions: Maximum height/width: 2,500 mm

Minimum Glass Dimensions: 350 × 180 mm

Maximum Noise Level: 84 dB(A)

Washing System Heating: 1 heated tank and 1 sand filter

Automatic Return System: Not available

Glass Coating: Coating on one side only

Water Recirculation System: 4 washing zones: 3 brush zones and 1 spray zone, with water recirculation

Roller Brush Speed: Constant speed for all brushes

Brush Bristle Configuration: Pre-washing zone: rear side Ø 0.3 mm; front side Ø 0.3 mm. Main washing zone: rear side Ø 0.3 mm; front side Ø 0.15 mm

Accumulation Function: Available

Machine Label Language: German

Operating and Maintenance Manual Language: German

Installation Position: Can be installed independently of upstream and downstream machines

The vertical washing and drying system automate flat glass cleaning through a modular design that can be expanded over time. The process is divided into pre-washing and main washing zones, followed by a drying section that uses purified water to eliminate limescale residues. The system detects glass thickness and the presence of coatings, continuously adjusting brush settings and rotational speeds to minimize wear. It is suitable for both small glass-processing workshops and large industrial facilities.



IN STOCK

RTL-25VNP

LiSEC – Vertical washing machine, 2001

LiSEC RTL-25VNP (2001)

Technical Specifications:

Producer: LiSEC

Running Direction: Left to right

Language: Italian

CE Compliance: Yes

Glass Thickness Range: 3–21 mm (VNP)

Conveyor Speed: 4 + 8 m/min (2 steps)

Maximum Processable Height: 2,500 mm

Heating System: 1 heating tank and 1 sand filter

Brush Rotation Speed: Constant speed for all brushes

Brush Type: PWZ rear/front 0.15 mm; MWZ rear/front 0.15 mm

Minimum Glass Length: 350 mm

Minimum Glass Thickness: 3 mm

Minimum Glass Height: 180 mm

Maximum Glass Thickness: 21 mm

Maximum Glass Height: 2,500 mm

Maximum Load: 150 kg/m

Power Supply: 400 V – 3/N/PE – 50 Hz

Installed Apparent Power: 55.00 kVA

Pneumatic Pressure: 6 bar

Air Consumption: 1 l/min

Water Pressure: 2.5 bar

Machine Height: 3,700 mm

Net Weight: 3,648 kg

Gross Weight: 3,768 kg

Additional Transport Weight: 120 kg

Noise Level: 78 dB

Tropicalized Version: No

Special Version: No

High-performance automatic vertical system for the thermomechanical washing and rapid drying of monolithic, laminated, and low-emissivity (Low-E) coated glass sheets. Designed for integration into high-speed automated production lines.



CATALOGO COMPLETO

MA-DE.SOLUTIONS/GLASSTEC

IN STOCK

RTL-25VNP

LiSEC – Vertical washing machine, 1998

LiSEC RTL-25VNP (1998)

Technical Specifications:

Producer: LiSEC
Running Direction: Right to Left
Language: Italian
CE Compliance: Yes
Glass Thickness Range: 3–21 mm (VNP)
Conveyor Speed: 4 + 8 m/min (2 steps)
Maximum Processable Height: 2,500 mm
Heating System: 1 heating tank and 1 sand filter
Brush Rotation Speed: Constant speed for all brushes
Brush Type: PWZ rear/front 0.15 mm; MWZ rear/front 0.15 mm
Minimum Glass Length: 350 mm
Minimum Glass Thickness: 3 mm
Minimum Glass Height: 180 mm
Maximum Glass Thickness: 21 mm
Maximum Glass Height: 2,500 mm
Maximum Load: 150 kg/m
Power Supply: 400 V – 3/N/PE – 50 Hz
Installed Apparent Power: 55.00 kVA
Pneumatic Pressure: 6 bar
Air Consumption: 1 l/min
Water Pressure: 2.5 bar
Machine Height: 3,700 mm
Net Weight: 3,648 kg
Gross Weight: 3,768 kg
Additional Transport Weight: 120 kg
Noise Level: 78 dB
Tropicalized Version: No
Special Version: No

High-performance automatic vertical system for the thermomechanical washing and rapid drying of monolithic, laminated, and low-emissivity (Low-E) coated glass sheets. Designed for integration into high-speed automated production lines. The brushes have been recently replaced and are in very good condition.



IN STOCK

NJ-165-3.0

COMAU - Anthropomorphic industrial robot, 2021

Robot Comau NJ-165-3.0 (2021)

Technical Specifications:

Producer: Comau

Number of axes: 6

Maximum payload at wrist: 165 kg

Additional load on forearm: 50 kg

Maximum horizontal reach: 3000 mm

Torque on Axis 4: 1230 Nm

Torque on Axis 5: 1230 Nm

Torque on Axis 6: 712 Nm

Stroke and Speed - Axis 1: +/- 180° (100°/s)

Stroke and Speed - Axis 2: -95° / +180° (90°/s)

Stroke and Speed - Axis 3: -10° / -256° (110°/s)

Stroke and Speed - Axis 4: +/- 2700° (130°/s)

Stroke and Speed - Axis 5: +/- 125° (130°/s)

Stroke and Speed - Axis 6: +/- 2700° (195°/s)

Repeatability: 0.09 mm

Tool coupling flange: ISO 9409 - 1 - A 160

Robot weight: 1240 kg

Protection rating: IP65 / IP67

Mounting position: Floor / Ceiling

Operating Area: A: 3430 mm

Operating Area: B: 3000 mm

Operating Area: C: 2600 mm

Operating Area: D: 730 mm

Operating Area: E: 738 mm

CE Compliance: Yes

Machine Label Language: English

Operating & Maintenance Manual Language: English

The Comau NJ-165-3.0 (2021 generation) is a high-performance anthropomorphic industrial robot designed for complex process automation and heavy-duty material handling up to 165 kg. Featuring a robust 6-axis configuration, an exceptional repeatability of 0.09 mm, and an extended horizontal reach of 3000 mm, the system ensures maximum precision and operational versatility. Its rugged construction, sporting an IP65/IP67 protection class and flexible floor or ceiling mounting options, makes it perfectly suited for seamless integration into high-speed automated production lines, welding applications, machine tending, and advanced material handling or palletizing setups in demanding industrial environments.



CATALOGO COMPLETO

MA-DE.SOLUTIONS/GLASSTEC

IN STOCK

SBL 8

RBB - Suction cup

RBB Suction Cup SBL 8 P.F.

Technical Specifications:

Manufacturer: RBB

Model: SBL 8 P.F. – Large-Format Version

Suction Points: 8 fixed suction cups

Maximum Lifting Capacity: 720 kg

Minimum Glass Sheet Dimensions: 3,300 × 1,600 mm

Safety System: Two independent safety circuits with vacuum reserve tank

Machine Weight: 150 kg

Power Supply: Compressed air; electric or battery-powered versions available on request

The RBB SBL 8 P.F. is a fixed suction cup lifting device designed for the safe lifting, handling, and rotation of large glass sheets. Manufactured by RBB, it is engineered for suspended operation with jib cranes, overhead cranes, and workshop lifting systems. Ideal for feeding glass cutting tables, grinding machines, and vertical storage systems, the unit combines a robust structure with reliable vacuum technology for handling large-format and Jumbo-size glass sheets.



CATALOGO COMPLETO

MA-DE.SOLUTIONS/GLASSTEC

IN STOCK

LAS-B30AG

LiSEC - Suction Cup, 2022

LAS-B30AG (2022)

Technical Specifications:

Manufacturer: LiSEC

Machine Colour: RAL 1018 – Zinc Yellow

Machine Design: Rotating with support

Maximum Load Capacity: 300 kg

Minimum Processing Length: 700 mm

Minimum Glass Height/Width: 400 mm

Number of Suction Cups: 2

Vacuum Suction Cup Diameter: 350 mm

Local Voltage: 230 V – 1/N/PE – 50 Hz

Operating Voltage: 230 V – 1/N/PE – 50 Hz

Connected Electrical Load: 1.56 kVA

Connected Electrical Power: 1.25 kW

Simultaneity Factor: 0.8333

Full-Load Current: 6.79 A

Maximum Current of Largest Consumer: 6.79 A

Maximum Power of Connected Consumers: 1.25 kW

Pneumatic Connection Pressure: 6 bar

Compressed Air Consumption: 60 l/min

Net Weight: 130 kg

Gross Weight: 150 kg

Additional Transport Weight: 20 kg

Machine Designation Language: Italian

Operating and Maintenance Manual Language: Italian

CE/UKCA Safety Compliance: Yes

Suitable for glass units with 3-side steps (excluding the bottom side).

Suitable for use with sealing robots featuring chain conveyors

Rotary vacuum lifting device for glass sheets, equipped with extendable horizontal support arms, designed mainly for handling heavy insulating glass units discharged from vertical sealing machines.



IN STOCK

AKL-20V

LiSEC - Vertical Edge Deletion Machine, 2008

AKL-20V (2008)

Technical Specifications:

Manufacturer: LiSEC
Machine Colour: LiSEC Blue
Running Direction: Right to left
Glass Transport: Vertical transport with a 6° inclination
Transport Height: 520 mm
Operating Voltage: 400 V – 3/N/PE – 50 Hz
Control Voltage: 24 V DC
Glass Thickness Range: 2.3–15 mm
Maximum Load: 150 kg/m
Transport Speed: 24 m/min
Maximum Glass Length: 3,500 mm
Maximum Glass Height: 2,000 mm
Minimum Glass Dimensions: 350 × 180 mm
Edge Deletion Width: Fixed at 10 mm
Edge Deletion Speed Adjustment: Stepwise rotational speed adjustment
Machine Designation Language: Italian
Operating and Maintenance Manual Language: Italian
Machine Configuration: Standard
AKL Extension Flap: Not included
CE Safety Compliance: Yes
Tropicalized Version: No
Special Version: No
Machine Height: 3,300 mm
Net Weight: 2,250 kg
Gross Weight: 2,270 kg
Additional Transport Weight: 20 kg
Connected Apparent Power: 2.50 kVA
Connected Electrical Power: 3.79 kW
Full-Load Current: 3.61 A
Maximum Current of Largest Consumer: 1.98 A
Maximum Power of Largest Consumer: 1.10 kW
Simultaneity Factor: 0.4397
Pneumatic Connection Pressure: 6 bar
Compressed Air Consumption: 30 l/min

The LiSEC AKL-20V (Automatic Edge Deletion Machine) is an automated industrial system with a vertical configuration, specifically designed for the peripheral edge deletion (removal of Low-E and magnetron coatings) of monolithic and laminated glass sheets. Removing the metallic coating along the glass edges is an essential process to ensure strong, reliable, and long-lasting adhesion of butyl and structural sealants during the subsequent production of insulating glass units (IGUs).



IN STOCK

A1RL

LiSEC - Dessicant filler, 1993

A1RL (1993)

Technical Specifications:

Manufacturer: LiSEC

Machine Type: Automatic/semi-automatic spacer frame desiccant filling machine

Main Functions: Drilling, molecular sieve filling, and sealing

Application: Insulating glass unit (IGU) production

Spacer Frame Types: Straight and bent profiles

Spacer Frame Material: Aluminium

Compatible Materials: Aluminium spacer frames; steel and stainless steel options, subject to configuration

Spacer Profile Width: Typically 6–24 mm

Filling System: Angled filling system with controlled desiccant dosing

Filling Head: Adjustable to accommodate different spacer profile dimensions

Desiccant Distribution: Designed to promote uniform granule compaction within the spacer profile

Hole Sealing: Sealing of the filling hole after desiccant insertion

Flow Monitoring: Electronic control to help prevent granule blockages and underfilling

Machine Configuration: Compact vertical design

Power Supply: 220/380 V – 50 Hz

The LiSEC A1RL is a semi-automatic, single-head desiccant filling machine designed for processing spacer frames used in insulating glass unit (IGU) production. In a single automated cycle, the machine drills the spacer profile, fills it with hygroscopic desiccant granules (molecular sieve), and seals the filling holes.



CATALOGO COMPLETO

MA-DE.SOLUTIONS/GLASSTEC

IN STOCK

AIRL

LiSEC - Dessicant filler, 2003

A1RL (2003)

Technical Specifications:

Manufacturer: LiSEC

Machine Colour: LiSEC Blue

Spacer Frame Material: Aluminium

Spacer Frame Type: ALUTEKNA, laser-welded

Spacer Frame Height: 6.7 mm

Butyl Colour: Black

Machine Configuration: Equipped with drilling unit

Processing Mode: Two sides simultaneously / one side individually with shaped processing

Special Version: Not available

CE Compliance: Yes

Tropicalized Version: Not available

Machine Label Language: Italian

Operating and Maintenance Manual Language: Italian

Power Supply: 3/N/PE – 400 V – 50 Hz

Control Voltage: 24 V DC

Installed Electrical Power: 1.50 kVA

Full-Load Current: 2.20 A

Maximum Current of Largest Consumer: 2.20 A

Compressed Air Pressure: 6 bar

Compressed Air Consumption: 300 l/min

Minimum Processing Length: 150 mm

Maximum Processing Length: 2,500 mm

Minimum Workpiece Dimension: 150 mm

Maximum Processing Width: 1,200 mm

Minimum Processable Spacer Profile Height: 6 mm

Maximum Processable Spacer Profile Height: 25 mm

Machine Height: 3,500 mm

Net Weight: 510 kg

Gross Weight: 560 kg

Additional Transport Weight: 50 kg

The LiSEC A1RL is a semi-automatic, single-head desiccant filling machine designed for processing spacer frames used in insulating glass unit (IGU) production. In a single automated cycle, the machine drills the spacer profile, fills it with hygroscopic desiccant granules (molecular sieve), and seals the filling holes.



CATALOGO COMPLETO

MA-DE.SOLUTIONS/GLASSTEC

IN STOCK

A1RL

LiSEC - Dessicant filler, 1991

A1RL (1991)

Technical Specifications:

Manufacturer: LiSEC

Machine Type: Automatic/semi-automatic spacer frame desiccant filling machine

Main Functions: Drilling, molecular sieve filling, and sealing

Application: Insulating glass unit (IGU) production

Spacer Frame Types: Straight and bent profiles

Spacer Frame Material: Aluminium

Compatible Materials: Aluminium spacer frames; steel and stainless steel options, subject to configuration

Spacer Profile Width: Typically 6–24 mm

Filling System: Angled filling system with controlled desiccant dosing

Filling Head: Adjustable to accommodate different spacer profile dimensions

Desiccant Distribution: Designed to promote uniform granule compaction within the spacer profile

Hole Sealing: Sealing of the filling hole after desiccant insertion

Flow Monitoring: Electronic control to help prevent granule blockages and underfilling

Machine Configuration: Compact vertical design

Power Supply: 220/380 V – 50 Hz

The LiSEC A1RL is a semi-automatic, single-head desiccant filling machine designed for processing spacer frames used in insulating glass unit (IGU) production. In a single automated cycle, the machine drills the spacer profile, fills it with hygroscopic desiccant granules (molecular sieve), and seals the filling holes.



CATALOGO COMPLETO

MA-DE.SOLUTIONS/GLASSTEC

IN STOCK

BSV-45K

LiSEC - Bending machine, 1994-2023

BSV-45 (1994)

Technical Specifications:

Manufacturer: LiSEC

Machine Colour: Standard LiSEC Blue

Processing Direction: Left to right

Transport Height: 1,000 mm

Power Supply: 220/380 V – 50 Hz

Control Voltage: 24 V DC

Operating Mode: Automatic loading – manual unloading

Maximum Processing Length: 4,000 mm

Maximum Frame Dimensions: 2,200 mm

Minimum Frame Dimensions: 240 × 110 mm or 290 × 70 mm (external dimensions)

Profile Width: 8.5 mm

Profile Type: Laser-welded ALUTEKNA

Profile Height: 7.0 mm

Profile Material: Aluminium

Frame Marking System: Not available

Special Shapes: Not supported

Data Input: Via 3.5-inch floppy disk

Bent Corners: 4 corners, with straight push-fit or welded joint

Installation Position: Downstream of the APS-45 or SPS-45

BSV-45 Insertion Device: Not available

Small-Frame Equipment: Included, for frames up to 190 × 40 mm (external dimensions)

Machine Label Language: Italian

Operating and Maintenance Manual Language: Italian

The LiSEC BSV-45 is an automatic, single-head bending machine. It is an essential component of insulating glass production lines, designed to manufacture continuous spacer frames without joined corners, starting from straight spacer bars.



IN STOCK

LBH-25V

LiSEC - Manual butyl Machine, 1992-2006-2008-2009

LBH-25V (2006) San Nicolò

LBH-25V (2009) Cristalsud

LBH-25V (2008) BSP

LBH-25V s/n (1992) Cristal Termic

Technical Specifications:

Manufacturer: LiSEC
Machine Colour: LiSEC Blue
Processing Direction: Left to right
Transport Height: Adjustable, 540–940 mm
Power Supply: 3/N/PE – 400 V – 50 Hz
Control Voltage: 24 V DC
Transport Speed: Adjustable, 3–36 m/min
Minimum Frame Dimensions: 120 × 120 mm (external dimensions)
Spacer Profile Width: 6–24 mm
Spacer Profile Height: 6.7 mm
Georgian Bars: No automatic insertion
Spacer Profile Cross-Section: D-shaped
Butyl Supply: 14-litre continuous-flow tank, filled using forks
Butyl Bead Dimensions: 3 × 2.2 mm (length × width)
Guide Rollers: Not included
Machine Identification Language: Italian
Operating and Maintenance Language: Italian
Machine Transportation: Truck transport
CE Compliance: Yes
Tropicalized Version: No
Special Version: No
Installed Electrical Capacity: 3.00 kVA
Electrical Power: 3.45 kW
Full-Load Current: 4.33 A
Maximum Current of Largest Consumer: 3.07 A
Operating Voltage: 400 V
Simultaneity Factor: 0.5797
Maximum Power of Largest Consumer: 1.70 kW
Pneumatic Supply Pressure: 6 bar
Compressed Air Consumption: 60 l/min
Minimum Processable Dimensions: 120 × 120 mm
Minimum Profile Thickness: 6 mm
Maximum Profile Width: 24 mm
Machine Height: 1,100 mm
Net Weight: 740 kg
Gross Weight: 780 kg
Additional Transport Weight: 40 kg

A semi-automatic butyl extruder designed for the primary sealing of rigid spacer frames in insulating glass production. It simultaneously applies hot butyl sealant to both sides of the profile, accommodating widths from 6 to 24 mm. Ideal for small and medium-sized businesses, it features a 14-litre high-pressure heating system, automatically controlled nozzles, and an intuitive control panel for precise and uniform sealant application.



IN STOCK

RBB 1065

RBB - Drilling machine

RBB Drill 1065

Technical Specifications:

Working Reach: 1,065 mm

Minimum Drilling Diameter: 4 mm

Maximum Drilling Diameter: 130 mm (with two drill bits)

Installed Electrical Power: 7 kW

Overall Dimensions: 1,700 × 900 × 1,760 mm

Worktable Height: 1,100 mm

Total Machine Weight: 550 kg

Drilling Depth Adjustment: Manual micrometric adjustment for the lower drill bit

The RBB 1065 glass drilling machine is a professional machine equipped with two opposing drill heads, specifically designed to produce precise holes in glass sheets of various sizes and thicknesses. Its extended working reach and integrated automation systems help optimize processing times while minimizing the risk of glass breakage.



CATALOGO COMPLETO

MA-DE.SOLUTIONS/GLASSTEC

IN STOCK

KSR-25

LiSEC - Vertical seaming and grinding machine, 2023

KSR-25 (2023)

Technical Specifications:

Manufacturer: LiSEC
Machine Colour: RAL 4004 – Bordeaux Violet
Glass Travel Direction: Left to right
Glass Transport Position: Vertical, inclined at 6°
Transport Height: 520 mm
Power Supply: 3/N/PE – 400 V – 50 Hz
Glass Thickness (Processing Range): 2.3–19 mm
Maximum Transportable Glass Thickness: 30 mm
Minimum Glass Dimensions: 180 mm
Maximum Glass Dimensions: 2,500 mm
Minimum Processing Length: 350 mm
Maximum Processing Length: 3,500 mm
Processing Configuration: Bottom edge processing only
Special Shapes: Shape processing according to the selected edge-processing configuration
Cleaning System: Spray washing system
Angular Pusher: Not installed
Downstream Machine: RTV – Storage Section
Abrasive Belt Monitoring: Included
Water Filtration System: Included (non-LiSEC product)
High-Pressure Washer: Not installed
Software Interface: GPS Lineserver
CE/UKCA Compliance: Yes
Tropicalised Version: Yes
Special Design: No
Installed Electrical Power: 12.00 kVA / 19.30 kW
Full-Load Current: 17.32 A
Largest Consumer Current: 7.40 A
Maximum Power of Largest Consumer: 4.10 kW
Demand Factor: 0.4145
Compressed Air Supply Pressure: 6 bar
Compressed Air Consumption: 600 l/min
Water Supply Pressure: 3 bar
Machine Water Flow Rate: 115 l/min
Water Consumption: 0.600 l/min
Maximum Transport Speed: 60 m/min
Maximum Grinding Speed: 30 m/min
Maximum Load Capacity: 150 kg/m
Maximum Load During Transport: 250 kg/m
Machine Height: 4,200 mm
Net Weight: 3,800 kg
Gross Weight: 3,830 kg
Transport Weight Allowance: 30 kg
Machine Nameplate Language: Italian
Operating and Maintenance Manuals: Italian

The KSR-25 is a compact vertical seaming and grinding machine designed for the automatic edge processing of rectangular and shaped glass panes. Thanks to a single grinding head capable of rotating, the machine finishes all four sides of the glass pane in a single continuous cycle, significantly reducing processing times. The entire structure is made of stainless steel, ensuring resistance to wear and corrosion associated with the water-cooling system used for wet grinding.



CATALOGO COMPLETO

MA-DE.SOLUTIONS/GLASSTEC

IN STOCK

RACKS

MADE - Steel glass transport

Racks MaDe

Steel glass transport racks are industrial structures designed for the safe storage, handling, and transportation of glass sheets in glass processing facilities. Manufactured from electro-welded steel tubing, they feature an inclined base in either an A-frame or L-frame configuration, with profiles coated in anti-scratch rubber or fitted with wooden protective elements to prevent surface damage. They can be equipped with swivel castors, lifting points for crane handling, or openings designed to accommodate pallet trucks and forklifts.



CATALOGO COMPLETO

MA-DE.SOLUTIONS/GLASSTEC

A-Frame Rack

Model: A1

Code	Type	Dimensions A × B (mm)	Height H (mm)	Load Capacity (kg)
A1	10/15	1000 × 1500	1990	1500
A1	11/15	1100 × 1500	1990	1500
A1	12/15	1200 × 1500	1990	1500



A-Frame Rack

Model: A2

Code	Type	Dimensions A × B (mm)	Height H (mm)	Load Capacity (kg)
A2	10/20	1000 × 2000	1990/ 2300	2000
A2	11/20	1100 × 2000	1990/ 2300	2000
A2	12/20	1200 × 2000	1990/ 2300	2000



A-Frame Rack

Model: A3

Code	Type	Dimensions A × B (mm)	Height H (mm)	Load Capacity (kg)
A3	10/30	1000 × 3000	2700	3000
A3	11/30	1100 × 3000	2700	3000
A3	12/30	1200 × 3000	2700	3000



L-Frame Trolley

Model: L1

Code	Type	Dimensions A × B (mm)	Height H (mm)	Load Capacity (kg)
L1	8/15	800 × 1500	1200	1000
L1	10/15	1000 × 1500	1200	1000



L-Frame Trolley

Model: L2

Code	Type	Dimensions A × B (mm)	Height H (mm)	Load Capacity (kg)
L2	7-9/16	790 × 1600	1290	2000
L2	7-9/21	790 × 2100	1290	2000



IN STOCK

HARPS

MADE - Steel glass transport

Harps MaDe

Technical Specifications:

HCW is the new, robust model of harp-type glass transport rack. The rack is equipped with two fixed wheels and two swivel castors with brakes, along with a range of features designed to facilitate handling and protect the glass from accidental breakage. The entire rack frame is covered with protective material to prevent direct contact between the glass and the metal structure, while the bars separating the individual slots are coated with scratch-resistant material. The HCW harp-type rack features a grooved plastic base at the front, while the rear section is fitted with a series of sturdy individual rollers. These facilitate the insertion and positioning of glass sheets within each individual slot.

Included features:

Black polyethylene base.

360 glass handling rollers.

Position indicators numbered from 1 to 60, located on both the upper and lower sections.

Steel frame protection in areas where glass may come into contact with the structure, using 10 mm thick wooden panels.

Warning chain to indicate the presence of glass on the racks.

Transport wheels: 2 fixed wheels, 1 swivel castor with brake, and 1 swivel castor without brake.

Steel tension rods coated with rigid PVC, with tension-adjustment springs fitted at the top.

Engraved aluminium plate displaying CE identification and load capacity.

RAL Colours:

RAL 7040 – Window Grey.

RAL 5010 – Bleu



Harp Rack Trolley

Model: HCW

Code	Type	Dimensions A × B (mm)	Height H (mm)	Load Capacity (kg)
HCW	11/14/15	1500 × 1100	1800	2000
HCW	11/14/20	1500 × 1100	2300	2000



IN STOCK

GSL-25/30B

LiSEC - Glass inspection scanner, 2008-2009-2010

Scanner

Technical Specifications:

We offer a selection of used glass inspection scanners from leading manufacturers, including LiSEC, Softsolution and Viprottron, available from stock and ready for sale. These systems are designed for automated glass quality inspection, supporting the detection of defects and imperfections to help ensure consistent quality standards in glass processing operations. Suitable for integration into existing production lines, our available scanners provide an opportunity to upgrade inspection capabilities while optimizing investment costs.

Available Models on Stock:

LiSEC Glass Inspection Scanners
GSL-30B – 2010 | S/N 380-055705
GSL-30B – 2008 | S/N 380-059820
GSL-30B – 2010 | S/N 380-055097
GSL-30B – 2009 | S/N 380-051172
GSL-25B – 2009 | S/N 380-053231

Softsolution Glass Inspection Scanner:

Scanner 3000 – 2018

Viprottron Glass Inspection Scanner:

Eco Scanner – 2023

Whether you are looking to replace an existing inspection system, expand your production capabilities or integrate a used scanner into an existing line, our available stock offers solutions from established manufacturers in the glass processing industry.



IN STOCK

VFL-1D/20

LiSEC - Sealing robot, 2009

VFL-1D/20 (2009)

Technical Specifications:

Manufacturer: LiSEC
Machine Colour: LiSEC Blue
Running Direction: Right to Left
Glass Transport Inclination: 6°
Transport Height: 520 mm
Maximum IGU Length: 2,500 mm
Maximum IGU Height: 2,000 mm
Minimum Processing Length: 250 mm
Minimum Processing Height: 180 mm
Maximum IGU Thickness: 60 mm
Maximum Load Capacity: 250 kg/m
IGU Configuration: Double and triple glazing with double sealant run
Stepped IGUs: Not supported
Special Shapes: Not supported
Spacer Frame Inset: 0–30 mm, centrally positioned and step-by-step adjustable
Spacer Bar Cross-Section: D-shaped
Super Spacer Compatibility: Not included
Spacer Profile Scanning: Width and depth
Corner Correction: Bottom and upper-edge roller correction
Sealant Nozzle for Double Glazing: Air gap range of 6–24 mm
Triple-Glazing Sealant Nozzles: Not included
Nozzles for Double-Stepped Units: Not included
Additional Machining Options: None
Cleaning System: Chain cleaning brush
Flushing Agent: Variant 1 (E)
Operating Voltage: 400 V, 3/N/PE, 50 Hz
Connected Electrical Load: 10.00 kVA
Connected Power: 13.39 kW
Maximum Power Consumption: 6.50 kW
Full-Load Current: 14.43 A
Maximum Current of Largest Consumer: 11.73 A
Pneumatic Connection Pressure: 6.0 bar
Compressed Air Consumption: 110 l/min
Water Supply Pressure: 2.5 bar
Water Consumption with Regeneration: 0.004 l/min
Machine Height: 3,800 mm
Net Weight: 4,200 kg
Gross Weight: 4,450 kg
Transport Weight Allowance: 250 kg
Glass Transport Chain: Standard chain, 2.5 mm bed
Machine Position: End of the production line
Machine Language: Italian
Operating and Maintenance Manual Language: Italian
CE-Conformity: Yes
GPS Lineserver Connection: Not included



CATALOGO COMPLETO

MA-DE.SOLUTIONS/GLASSTEC

The LiSEC VFL-1D/20 is a CNC-controlled vertical industrial robot designed for the fully automated perimeter sealing of insulating glass units (IGUs). The system precisely extrudes and meters two-component sealants, including polysulphide, polyurethane and silicone, ensuring consistent filling, excellent joint quality and a flawless aesthetic finish, while maintaining the structural integrity of the sealed unit. Combining precision, reliability and advanced automation, the LiSEC VFL-1D/20 delivers high-quality sealing performance for both standard glass units and complex geometric shapes, meeting the demands of modern insulating glass production.



IN STOCK

VL-1N/25

LiSEC - Sealing robot, 2008

VL-1N/25 (2008)

Technical Specifications:

Manufacturer: LiSEC

Machine Colour: Dark Brown / Chestnut

Running Direction: Left to Right

Glass Transport: Vertical, 6° inclination

Transport Height: 520 mm

Power Supply: 3/N/PE – 400 V – 50 Hz

Variable Transport Speed: 3–36 m/min

Maximum Pass-Through Length: 3,500 mm

Maximum Processable Dimension: 2,500 mm

Maximum IGU Thickness: 60 mm

Spacer Frame Inset Adjustment: 0–15 mm, centrally positioned, step-by-step adjustable

Stepped IGUs: Not supported

Spacer Material: Not compatible with Super Spacer

Spacer Bar Cross-Section: D-shaped

IGU Configuration: Double and triple glazing with double sealant run

Spacer Profile Scanning: Width and depth detection

Corner Correction: Upper and lower rollers, with top and bottom edge correction

Special Shapes: Arched shapes

Data Input: 3½-inch floppy disk and online connection

Machine Identification Language: Italian

Operating and Maintenance Language: Italian

Machine Position: At the end of the production line

Double-Glazing Sealant Nozzle: Air gap range of 6–24 mm

Flushing/Purging Liquid: Ascusol OPTI 180

Additional Spacer Holder Equipment: Not included

Nozzles for Stepped Double-Glazed Units: Not included

Nozzles for Triple-Glazed Units: Not included

Machine Transport: Truck transport

Glass Transport Chain: Standard chain, 3.5 mm support bed

Special-Shape Light Barrier: Shape detection sensor

CE Compliance: Yes

Tropicalized Version: No

GPS Lineserver Connection: Not included

Special Execution: Yes

Installed Electrical Capacity: 8.00 kVA

Connected Electrical Power: 8.49 kW

Full-Load Current: 11.55 A

Maximum Current of Largest Consumer: 7.99 A

Operating Voltage: 400 V

Simultaneity Factor: 0.6282

Maximum Power Consumption: 4.43 kW

Pneumatic Supply Pressure: 6 bar

Compressed Air Consumption: 110 l/min

Water Supply Pressure: 2.50 bar

Water Consumption with Regeneration: 0.004 l/min

Machine Height: 3,900 mm

Net Weight: 3,550 kg

Gross Weight: 3,850 kg

Transport Weight Allowance: 300 kg



The LiSEC VL-1N/25 is an automatic vertical industrial system specifically designed for the secondary perimeter sealing of insulating glass units (IGUs) using two-component sealants. Engineered for precision and consistency, the machine ensures accurate geometry and uniform sealant application, delivering high-quality perimeter joints with excellent airtightness and a superior aesthetic finish. Combining reliable performance with advanced automation, the LiSEC VL-1N/25 supports consistent sealing quality and optimised production efficiency in modern insulating glass manufacturing.



IN STOCK

FLP-25/25

LiSEC - Automatic press, 1997

FLP-25/25 (1997)

with frame mounting station

Technical Specifications:

Manufacturer: LiSEC

Machine Colour: LiSEC Blue

Running Direction: Left to Right

Glass Transport Inclination: 6°

Vertical Transport Height: 520 mm

Operating Voltage: 400 V, 3/N/PE, 50 Hz

Variable Transport Speed: 2–36 m/min

Maximum Length: 900 mm (according to the machine specification)

Maximum Height: 2,500 mm

Minimum Processable Dimensions: 350 × 180 mm

Maximum Element Thickness: 52 mm

Stepped IGUs: Not supported

Special Shapes: Not supported

Machine Labelling Language: Spanish

Operating Manual Language: Spanish

Machine Position: Independent of position

The FPL-25/25 is a vertical plate press designed for the assembly, alignment and pressing of glass panes and spacer frames in the production of insulating glass units (IGUs). The machine mechanically bonds the components by applying uniform pressure across the entire surface of the unit, ensuring proper initial sealing and reliable component adhesion prior to secondary sealing. Combining precision, consistent pressure distribution and dependable performance, the FPL-25/25 supports high-quality IGU production and efficient manufacturing processes.



CATALOGO COMPLETO

MA-DE.SOLUTIONS/GLASSTEC

IN STOCK

FPL-25/20

LiSEC - Automatic press, 2000

FPL-25/20 (2000)

with frame mounting station

Technical Specifications:

Manufacturer: LiSEC

Machine Colour: Dark Chestnut

Running Direction: Right to Left

Glass Transport: Vertical, 6° inclination

Transport Height: 520 mm

Operating Voltage: 400 V, 3/N/PE, 50 Hz

Variable Transport Speed: 3–36 m/min

Maximum Pass-Through Length: 900 mm (pressing of longer units than the machine length)

Maximum IGU Height: 2,000 mm

Minimum Glass Dimensions: 350 × 180 mm

Maximum IGU Thickness: 55 mm

Stepped IGUs: Not supported

Special Shapes: Not supported

Machine Labelling Language: Italian

Operating and Maintenance Manual Language: Italian

Machine Position: Independent of upstream or downstream equipment positioning

CE Compliance: Yes

Tropicalized Version: No

Special Execution: No

Connected Electrical Load: 1.35 kVA

Pneumatic Connection Pressure: 6.0 bar

Compressed Air Consumption: 20 l/min

Maximum Load Capacity: 150 kg/m

Minimum Processing Length: 350 mm

Minimum Processing Height: 180 mm

Maximum Processing Length: 2,500 mm

Maximum Processing Width / IGU Thickness: 52 mm

Maximum Processing Height: 2,000 mm

Machine Height: 2,780 mm

Net Weight: 1,900 kg

Gross Weight: 1,930 kg

Transport Weight Allowance: 30 kg

The FPL-25/20 is a vertical plate press designed for the assembly, alignment and pressing of glass panes and spacer frames in the production of insulating glass units (IGUs). The machine mechanically bonds the components by applying uniform pressure across the entire surface of the unit, ensuring proper initial sealing and reliable component adhesion prior to secondary sealing. Combining precision, consistent pressure distribution and dependable performance, the FPL-25/20 supports high-quality IGU production and efficient manufacturing processes.



CATALOGO COMPLETO

MA-DE.SOLUTIONS/GLASSTEC

IN STOCK

HLP-25/25

LiSEC - Automatic press, 2008

HLP-25/25 (2008)

Technical Specifications:

Manufacturer: LiSEC

Machine Colour: LiSEC Blue

Running Direction: Right to Left

Glass Transport: Vertical, 6° inclination

Transport Height: 520 mm

Operating Voltage: 400 V, 3/N/PE, 50 Hz

Variable Transport Speed: 3–36 m/min

Maximum Assembly Length: 3,500 mm

Maximum IGU Height: 2,500 mm

Minimum Glass Dimensions: 350 × 180 mm

Maximum IGU Thickness: 55 mm

Stepped IGUs: Supported; bottom edge (BE): 0–50 mm, front, rear and upper edges (FE/RE/UE): 0–140 mm

IGU Configuration: Triple glazing

Machine Labelling Language: Italian

Operating and Maintenance Manual Language: Italian

Machine Transport: Truck transport

CE Compliance: Yes

Tropicalized Version: No

Special Execution: Yes

Connected Electrical Load: 5.18 kVA

Connected Electrical Power: 3.45 kW

Maximum Power Consumption: 1.70 kW

Full-Load Current: 7.47 A

Maximum Current of Largest Consumer: 3.07 A

Simultaneity Factor: 1.0000

Pneumatic Connection Pressure: 6.0 bar

Compressed Air Consumption: 100 l/min

Maximum Load Capacity: 150 kg/m

Minimum Processing Length: 350 mm

Minimum Processing Height: 180 mm

Maximum Processing Length: 3,500 mm

Maximum Processing Width / IGU Thickness: 55 mm

Maximum Processing Height: 2,500 mm

Machine Height: 3,290 mm

Net Weight: 2,250 kg

Gross Weight: 2,300 kg

Transport Weight Allowance: 50 kg

The vertical flat press is designed to assemble and press insulating glass units (IGUs), ensuring precise alignment of glass panes and spacer frames. Using pneumatic plates, the system applies uniform pressure across the unit to ensure optimal initial bonding and sealing. Integrated into modern production lines, it delivers consistent assembly quality, reliable performance and efficient processing of insulating glass units.



IN STOCK

HLP-25/25

LiSEC - Automatic press, 1999

HLP-25/25 (1999)

Technical Specifications:

Manufacturer: LiSEC

Machine Colour: LiSEC Blue

Running Direction: Right to Left

Glass Transport: Vertical, 6° inclination

Transport Height: 520 mm

Operating Voltage: 400 V, 3/N/PE, 50 Hz

Variable Transport Speed: 3–36 m/min

Maximum Assembly Length: 3,500 mm

Maximum IGU Height: 2,500 mm

Minimum Glass Dimensions: 350 × 180 mm

Maximum IGU Thickness: 55 mm

Stepped IGUs: Supported; bottom edge (BE): 0–50 mm, front, rear and upper edges (FE/RE/UE): 0–140 mm

IGU Configuration: Triple glazing

Machine Labelling Language: Italian

Operating and Maintenance Manual Language: Italian

Machine Transport: Truck transport

CE Compliance: Yes

Tropicalized Version: No

Special Execution: Yes

Connected Electrical Load: 5.18 kVA

Connected Electrical Power: 3.45 kW

Maximum Power Consumption: 1.70 kW

Full-Load Current: 7.47 A

Maximum Current of Largest Consumer: 3.07 A

Simultaneity Factor: 1.0000

Pneumatic Connection Pressure: 6.0 bar

Compressed Air Consumption: 100 l/min

Maximum Load Capacity: 150 kg/m

Minimum Processing Length: 350 mm

Minimum Processing Height: 180 mm

Maximum Processing Length: 3,500 mm

Maximum Processing Width / IGU Thickness: 55 mm

Maximum Processing Height: 2,500 mm

Machine Height: 3,290 mm

Net Weight: 2,250 kg

Gross Weight: 2,300 kg

Transport Weight Allowance: 50 kg

The vertical flat press is designed to assemble and press insulating glass units (IGUs), ensuring precise alignment of glass panes and spacer frames. Using pneumatic plates, the system applies uniform pressure across the unit to ensure optimal initial bonding and sealing. Integrated into modern production lines, it delivers consistent assembly quality, reliable performance and efficient processing of insulating glass units.



IN STOCK

IG LINE

LiSEC, 2500 x 3500, left to right line

IG Line 1

Technical Specifications:

2500×3500

Left-to-Right Line

No Gas

Without Sealing Machine

All machines from LiSEC

Machines manufactured between 2000 and 2006

Optional Add-ons:

The following options can be added, depending on customer requirements:

Manual gas filling solution: +€10k

Manual extruder: +€35k

Turning table for manual sealing: +€10k

UKL after the press: +€40k

Voltage modification: +€10k

New CE certification and 2026 labelling: +€10–15k



CATALOGO COMPLETO

MA-DE.SOLUTIONS/GLASSTEC

IN STOCK

IG LINE

LiSEC, 2500 x 3500, left to right line

IG Line 2

Technical Specifications:

2500×3500

Left-to-Right Line

No Gas

Without Sealing Machine

All machines from LiSEC

Machines from different customers from early 2000s

Optional Add-ons:

The following options can be added, depending on customer requirements:

Manual gas filling solution: +€10k

Manual extruder: +€35k

Turning table for manual sealing: +€10k

UKL after the press: +€40k

Voltage modification: +€10k

New CE certification and 2026 labelling: +€10–15k



CATALOGO COMPLETO

MA-DE.SOLUTIONS/GLASSTEC

IN STOCK

IG LINE

LiSEC, 2500 x 3500, left to right line

IG Line 3

Technical Specifications:

2500×3500

Left-to-Right Line

No Gas

Without Sealing Machine

All machines from LiSEC

Already existing IG line from early 2000s

Optional Add-ons:

The following options can be added, depending on customer requirements:

Manual gas filling solution: +€10k

Manual extruder: +€35k

Turning table for manual sealing: +€10k

UKL after the press: +€40k

Voltage modification: +€10k

New CE certification and 2026 labelling: +€10–15k



CATALOGO COMPLETO

MA-DE.SOLUTIONS/GLASSTEC

IN STOCK

IG LINE

LiSEC, 2500 x 3500, left to right line

IG Line 4

Price upon request

Technical Specifications:

2500×3500

Left-to-Right Line

Gas

With Automatic Sealing Machine VL-1N

All machines from LiSEC

Optional Add-ons:

The following options can be added, depending on customer requirements:

Turning table for manual sealing: +€10k

UKL after the press: +€40k

Voltage modification: +€10k

New CE certification and 2026 labelling: +€10–15k



CATALOGO COMPLETO

MA-DE.SOLUTIONS/GLASSTEC

IN STOCK

IG LINE

LiSEC, 2500 x 3500, right to left line

IG Line 5

Technical Specifications:

2500×3500

Right-to-Left Line

No Gas

Without Sealing Machine

All machines from LiSEC

Already existing IG line from early 2000s

Optional Add-ons:

The following options can be added, depending on customer requirements:

Manual gas filling solution: +€10k

Manual extruder: +€35k

Turning table for manual sealing: +€10k

UKL after the press: +€40k

Voltage modification: +€10k

New CE certification and 2026 labelling: +€10–15k



CATALOGO COMPLETO

MA-DE.SOLUTIONS/GLASSTEC

IN STOCK

IG LINE

LiSEC, 2500 x 3500, right to left line

IG Line 6

Price upon request

Technical Specifications:

2500x3500

Right-to-Left Line

No Gas

With Automatic Sealing Machine VL-1N

All machines from LiSEC

Already existing IG line from early 2000s

Optional Add-ons:

The following options can be added, depending on customer requirements:

Manual gas filling solution: +€10k

Turning table for manual sealing: +€10k

UKL after the press: +€40k

Voltage modification: +€10k

New CE certification and 2026 labelling: +€10-15k



CATALOGO COMPLETO

MA-DE.SOLUTIONS/GLASSTEC

IN STOCK

IG LINE

LiSEC, 2500 x 3500, left to right line

IG Line 7

Price upon request

Technical Specifications:

2500×3500

Left-to-Right Line

Gas

With Automatic Sealing Machine VL-1N

Superspacer applicator

All machines from LiSEC

Year of construction 2019

Minimum glass size: 180 x 350mm

Maximum glass size: 2.500 x 3.500 mm

Maximum glass thickness: 2 -20 mm

Shapes: yes, according to the LiSEC catalogue

Thickness of flexible spacer: 8 – 25 mm

Magazin (spacer): 2x 4-fold

Maximal weight: 150kg/mtl

Vertical transport height: 520 mm (+/- 20 mm)

Inclination: 6°



CATALOGO COMPLETO

MA-DE.SOLUTIONS/GLASSTEC

IN STOCK

FREEZER

LiSEC, Refrigeration & Freezing Unit

FREEZER

Technical Specifications:

Colour: LiSEC grey
Operating voltage: 400 V
Electrical supply: 3/N/PE – 50 Hz – 400 V
Machine designation language: Italian
Operating and maintenance manual language: Italian
CE safety compliance: Yes
Machine model: KHB-30
Special execution: No
Gross weight: 204 kg
Net weight: 183 kg
Height: 1,020 mm
Additional transport weight: 21 kg
Connected electrical load: 2.63 kVA
Connected electrical power: 1.75 kW
Full-load current: 3.79 A
Current of the largest consumer: 1.08 A
Maximum power of individual consumer: 0.60 kW
Simultaneity factor: 1.0000

LiSEC Refrigeration & Freezing Unit available

KHB-30

KHB-30

KHB-30

KHB-25

In addition to our comprehensive overhaul and conditioning services for existing freezers, we also manufacture brand-new, fully customized refrigeration units, complete with CE marking and identification nameplates updated to the current year.



CATALOGO COMPLETO

MA-DE.SOLUTIONS/GLASSTEC

IN STOCK

TEST MACHINES

Manufactured by MaDe Srl

TEST MACHINES

Technical Specifications:

Ball drop impact test

This test method covers the destructive ball drop testing of laminated flat glass product. Method implemented to evaluate the impact performance laminated flat glass sample when struck from a determined height by a steel ball.

Bake test

The supplied oven equipped with a ventilated system is capable of reaching temperatures within 200°C with increasing intervals of 10°C. Characteristics required enables laminated glass sampling testing to determine laminating adherence stability when exposed to elevated temperatures as to sun heat.

Boil test + high humidity test

The purpose of the boil test is to determine the strength of the laminated glass after production process while exposed to moisture and heat. Thru the supplied equipment specimens can be immersed into hot and subsequently boiling water for a specified period of time. Important procedure that can trace the dissolved quantity of air in-between glass and film, traces of bubbles or other defects may be revealed. The purpose of the high humidity test is to determine the quality of the laminated glass or laminated safety glass when exposed for a specific period of time to elevated humidity levels as those found in various atmospheric conditions. Essentially, such tests should not reveal major alterations of the laminated properties.

Pummel adhesion test

The supplied equipment will enable to submit laminated glass samples to -18° C, subsequently designated glass areas are struck with hammer to measure the bond strength between the interlayer and the glass. The laminate bond strength must be controlled to avoid potential problems of delaminating at low adhesion and impact failures at high adhesion.



IN STOCK

HWM

LiSEC, Horizontal Washing Machines



HWM

Technical Specifications:

Glass Sizing & Load Capacities

Glass Width Options: 1.3 m / 2.3 m / 2.6 m / 2.8 m / 3.3 m
Glass Thickness Range: 2 – 35 mm
Minimum Glass Size (Standard): 400 × 200 mm
Minimum Glass Size (HWM13B):* 210 × 210 mm
Conveyor Height: 950 mm (adjustable by ±30 mm)
Maximum Weight Load: 88 kg/m²

Performance & Mechanical Configuration

Maximum Processing Speed (3 mm glass): 12 m/min
Cylindrical Brushes: Available setups with 4, 6, or 8 brushes
Heated Water Tanks: 2 (1) / 3 (1) / 4 (2)
Tank reading guide: The number in brackets shows how many tanks are heated out of the total count. For example, "4 (2)" means there are 4 tanks in total, and 2 of them are heated.

Water consumption values apply only when the water treatment system is active.

<i>Model</i>	<i>Dimensions L×W×H (mm)</i>	<i>Electrical Cons.</i>	<i>Air Pressure</i>	<i>Air Cons.</i>	<i>Water Cons.*</i>
HWM13B*	5,300 × 4,700 × 4,900	45 kVA	7 bar	60 L/min	2 L/min
HWM23B*	5,300 × 5,700 × 4,900	50 kVA	7 bar	60 L/min	2–3 L/min
HWM26B*	5,300 × 6,000 × 4,900	55 kVA	7 bar	60 L/min	2–3 L/min
HWM28B*	5,300 × 6,200 × 4,900	55 kVA	7 bar	60 L/min	2–3 L/min
HWM33B*	5,300 × 6,700 × 4,900	70 kVA	7 bar	60 L/min	2–3 L/min

Fully automatic stainless-steel glass washing and drying machine with PLC control, heated water tanks, filtration system, and recirculation pumps. Equipped with motorized inlet and outlet conveyors, high-pressure pre-wash and drying sections, and up to four pairs of cylindrical brushes. Suitable for glass thicknesses from 2 to 35 mm, including Low-E and coated glass with optional soft-bristle brushes.