

100 BLC

JUMBO TILTING

LOADING AND WORK MACHINE FOR FLAT GLASS.

Machine for the handling, loading and breakout of sheets of flat glass.

Structure made up of electro-welded steel tubular pipes, protected by two layers of paint: rust-prevention and coloured enamel.

Accurately flat and wool felt padded wooden table surface to ensure maximum air cushion performance.

Powerful air cushion system with a blower to create the "air cushion" between the table and the glass.

This permits a drastic reduction of the friction and it eases all handling operations of the glass itself.

The sound threshold of the air system is comprised within the limits required by current regulations.

Tilting working table controlled by two hydraulic cylinders that permit the sub-vertical (80°) position to ease manual loading of the glass.

Series of pneumatic lifting timing belts for the loading of the loader and the unloading to the glass working area.

Pneumatically activated glass sheet loading lugs with "dead centre" cam wheels and pneumatic solenoid valve with bistable logic (if there is no consent it cannot move).

The edges of the working table are made of solid wood to enable the manual breakout of the glass.

TECHNICAL SUMMARY

Maximum glass size	"JUMBO size " glass 6100 x 3300 mm "JUMBO size" glass 240" x 130"
Glass Thickness	2 : 19 mm 5/64" : 3/4"
Working table tilting	Hydraulic with 2 cylinders.
Air cushion device	Air cushion device for the pneumatic support of the glass.
Glass transport	Series of pneumatic lifting timing belts.
Working table	Wool felt covered working table, accurate in flatness and free of obstacles to the glass.

GENERAL PERFORMANCE

Max transport speed on belts.	40 m/ min 1575"
Tilting motion operating time (up + down)	50 s
Air cushion power	200 mm minimum of water column 7 7/8" minimum of water column

SAFETY FEATURES

Hydraulic tilting	Flexible pipes protected by cut-prevention steel plait. Safety valves on the cylinder breeches (if a hose loses pressure the cylinder will automatically be blocked).
Electromechanical safety	Hardware security systems through special safety modules.

INSTALLATION AND CONDITIONS OF USE

Overall dimensions	7100 x 3660 mm 280" x 144"
Weight	3300 Kg 7276 lb
Work surface height	920 (+/-20) mm 36 1/4" (+/- 3/4")
Installed Power	18 KVA
Air consumption (max)	500 NL/Min 17.656 cfm
Air characteristic	Filtering : 40 micron Dew point : + 10°C of ambient temperature Dew point : + 50°F of ambient temperature
Stocking, temperature and moisture	From - 25 ° to + 75°, Reference pressure 1 Bar 90% of relative moisture at 20 ° (w/o condensation) 50% of relative moisture at 40 ° (w/o condensation) From - 77 °F to + 167 °F, Reference pressure 14.5 psi 90% of relative moisture at 68 °F (w/o condensation) 50% of relative moisture at 104 °F (w/o condensation)
Use, temperature and moisture	From + 5 ° to + 40 °, Reference pressure 1Bar 90% of relative moisture at 20° (w/o condensation) 50% of relative moisture at 40° (w/o condensation) From + 41 °F to + 104 °F, Reference pressure 14.5 psi 90% of relative moisture at 68 °F (w/o condensation) 50% of relative moisture at 104 °F (w/o condensation)

Power supply	Voltage: 400V-415V (+/- 10%), Frequency 50-60 Hz without tension converter. Or Voltage: 200V-240V (+/- 10%), Frequency 50-60 Hz with tension converter. Or Voltage: 440V-600V (+/- 10%), Frequency 50-60 Hz without tension converter. Compressed Air: Minimum pressure 7 Bar (101.5 psi) Dew point < 5 °C (41 °F) (Dew-Point)
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DESIGN AND PRODUCTION STANDARDS

	Adopted Standards
The machine has been designed, built and installed according to current regulations concerning Safety. Importance has been given to the following Aspects: Ease of use. Ergonomics in the work place. Easy access to organs needing maintenance. Reliability of the machine and its Components. Contained Noise Levels. Energy saving	IEC 204/1, CELENEC EN 60204-1, CEI 44-5, Low Tension Directive 73/23/EEC, Directive 93/68/EEC. The following versions will be used: Equipping in line with European Regulations, E.C. Hallmark Equipping in line with American Regulations, UL - CSA Hallmarks (OPTION)

AVAILABLE OPTIONS

Quick blower closure	Blower-integrated system to quickly decrease the power of the air cushion.
Lean-to device	Couple of pneumatic cylinders that ease the loading of the glass with the aid of the Bottero tong