



**ADL 2000/6 Automatic double glass line with Washing Machine (6 Brushes) +  
Panel Press**

IG Line machine is designed and manufactured for produce double glass plates

**General characteristic:**

**Max double glass sizes:** 2.000 x 2.700 mm (height x length) and **Min 170 x 400** mm (height x length).

**Thickness of the double glass from 10 to 60 mm.**

**Voltage:** 3 x 400 V + N + Pe 50 Hz.

**Total power:** 24 + 5.5 Kw (5.5 Kw electric resistance of blower disconnectable from electric board). 6 Kw are resistance of water tank disconnectable from a selector in the Control Panel.

**Total length:** 17.500 mm (it is possible to reduce this size). – Length of the walls 3.000 mm (could be 2.000 or 2.500 mm optional) - Width 2.000 mm. – Total Height 3.000 mm.

**Glass loading height:** 580-620 mm

**Air Pressure:** 6 bar.

**Noise emission level within:** 80 dB (A).

**Standard Colour:** grey RAL 7038.

**Weight:** 3.680 Kg.



**Standard working direction** from left to right (or from right to left on demand).

**Speed:** from 0 to 6 m/min.

## WASHING UNIT

**Max processable glass sizes:** 2.000 x 3.000 mm (height x length). The Washing Unit its close.

**Min processable glass sizes:** 170 x 400 mm (height x length).

**Glass thickness:** from 3 to 12 mm without adjustment.

**The movement** is made by chain.

The body of the washing machine is in stainless steel in all the part touch with water. The washing machine is soundproofed.

There are 4 sections inside the body of the washing machine (pre-washing, washing, rinsing, drying) with 3 pair of brushes ( $\varnothing$  145 mm), moved by 2 motors, able to wash Low-E glass plates.

The stainless steel water tank is made by 3 sections. Float-valve system for controlling the water level in the water tank. In the first water tank there are 2 resistances and in the second 1 resistance for heating the water.

Lamps in the outlet wall for checking the cleaning of the glass plates.

**Low-E selector:** turn it, it is possible to stop the movement of the pumps and brushes when the glass plate arrives at the end of the outlet wall of the washing machine.

## PANEL PRESS

**There are 3 sections:** Alignment wall. Panel Press and Outlet Wall.

The movement is made by chain.

In the alignment wall there are horizontal and vertical square for a correct positioning of the aluminium profile.

**Lights** in the alignment wall.

**Pneumatic functioning** of the Panel Press.

**Suction cups system** for taking the glass with an automatic system that selects only the suction cups that read the presence of the glass plate. The suction cups work by a specific vacuum pump.

Inside the panel press there are sensors that read the size of the glass plate and adjust a different pressure in function of the size of the glass plate.

**PLC with display touch screen** for a easy and fast programming in Italian or English language. The display is in black and white (colour optional).

Possibility to produce double or triple glass plates.

Outlet wall of the panel press (tilting table optional).

**Optional:** 1) Possibility to produce **structural glass plates** till 70 mm of offset.

**IMPORTANT:** It is not possible to add this optional in a second time.

2) Possibility to increase the production (900 double glass plates every 8 hours) using **double speed motors**.

3) **Tilting table Pneumatic** (Hydraulic for 2500 model).

**IMPORTANT:** it is possible to tilt up the table only without glass plates loaded.

4) **LOW-E** sensor.

5) **INOX model:** all the part of Washing Unit in INOX, brushes and water tanks bigger and 2 blower.

## FUNCTIONIG

After the setting of the IG line, put the 2 glass plates in the inlet wall of the washing machine and adjust the speed of the conveyor (4 mt/min suggested).

The first glass goes out from washing unit and go directly inside the panel press. The panel using the suction cups system picks up and moves the first glass plate.

The second glass goes out from the washing unit and stop in the alignment wall in the squaring. The operator puts the aluminium profile in the second glass plate helping with the horizontal and vertical squaring.

The operator pushes the pedal, the squaring disappear and the second glass plate goes inside the press. The second glass plate aligns with the first and the machine press the two glasses.

The double glass plate goes out from the panel press and stops at the end of the wall.

Electric and Pneumatic components of machine:

- Motors of walls brand "Motovario" of 0.37 Kw.
- Motors of brushes brand "Motovario" of 0.37 Kw.
- Motors of blower brand "Watt" of 7.5 Kw.
- Pneumatic pistons and valve brand Festo.
- Pumps of water brand "Dab" of 30 lt/min of 0.37 Kw.
- Photocell brand "Sick", "Telemecanique", "Pepperl + Fuchs".
- Inverter brand "Omron" or "Telemecanique".
- The component of electric board brand "Siemens", "Telemecanique", "Moeller", "Finder".
- Touch Screen brand Omron.

Other models of IG lines machines:

ADL 1700/6	IG line H 1.700	24 + 5.5 Kw
ADL 2500/6	IG line H 2.500	32 + 11 Kw
ADL 1700/6 INOX	IG line H 1.700 INOX	35 + 11 Kw
ADL 2000/6 INOX	IG line H 2.000 INOX	35 + 11 Kw
ADL 2500/6 INOX	IG line H 2.500 INOX	35 + 11 Kw

**Optional Structural: power 1.5 Kw**

**CE Brand**