



www.forelspa.com/forel.htm

AUTOMATIC “SuperSpacer®” APPLICATOR

For.El. Automatic “SuperSpacer®” Applicator applies the spacer profile “SuperSpacer®” in a completely automated mode all along the perimeter of panes for the production of double-glazing units. Compared with traditional systems, the use of this type of profile allows the improvement of insulating properties of double glazing (the heat transmission coefficient due to the edge conductivity is reduced), eliminates condensation, ensures a better and instantaneous adhesion to the glass sheets. In conclusion, the production of double-glazing units is faster and more flexible since the whole traditional process of frame production in aluminum or steel is eliminated. Therefore, beside saving time, this also results in a lower investment.

For.El. Automatic “SuperSpacer®” Applicator unwinds a strip from a bobbin and applies it directly on one of the two panes in order to form a complete frame all around the glass perimeter. On the inlet conveyor, a sensor detects the glass thickness and automatically interacts (through a PLC logic) with the mechanisms of the mobile unit for the correct profile application. During the “SuperSpacer®” application the pane is conveyed from the rear with a synchronic, horizontal movement by a mobile suction cup. The bobbin of the spacer profile is placed directly on the operating head, allowing to carry out the “SuperSpacer®” application in a functional, reliable way through simplified devices and leading also to an excellent quality result, especially in corners.

The bobbin replacement is handy and fast.

The machine applies the spacer profile both on rectangular and shaped glasses (optional). It is highly modular so it can be set in pre-existing double glazing lines as well.

OPTIONAL

SHAPES

The machine can be equipped with an additional software for shaped glasses processing.

GEORGIAN BARS

Through the combination of an additional device and a software implementation it will be possible to engrave the spacer profile for the production of georgian bars.

FEATURES

Maximum glass size: 3210 mm (height)

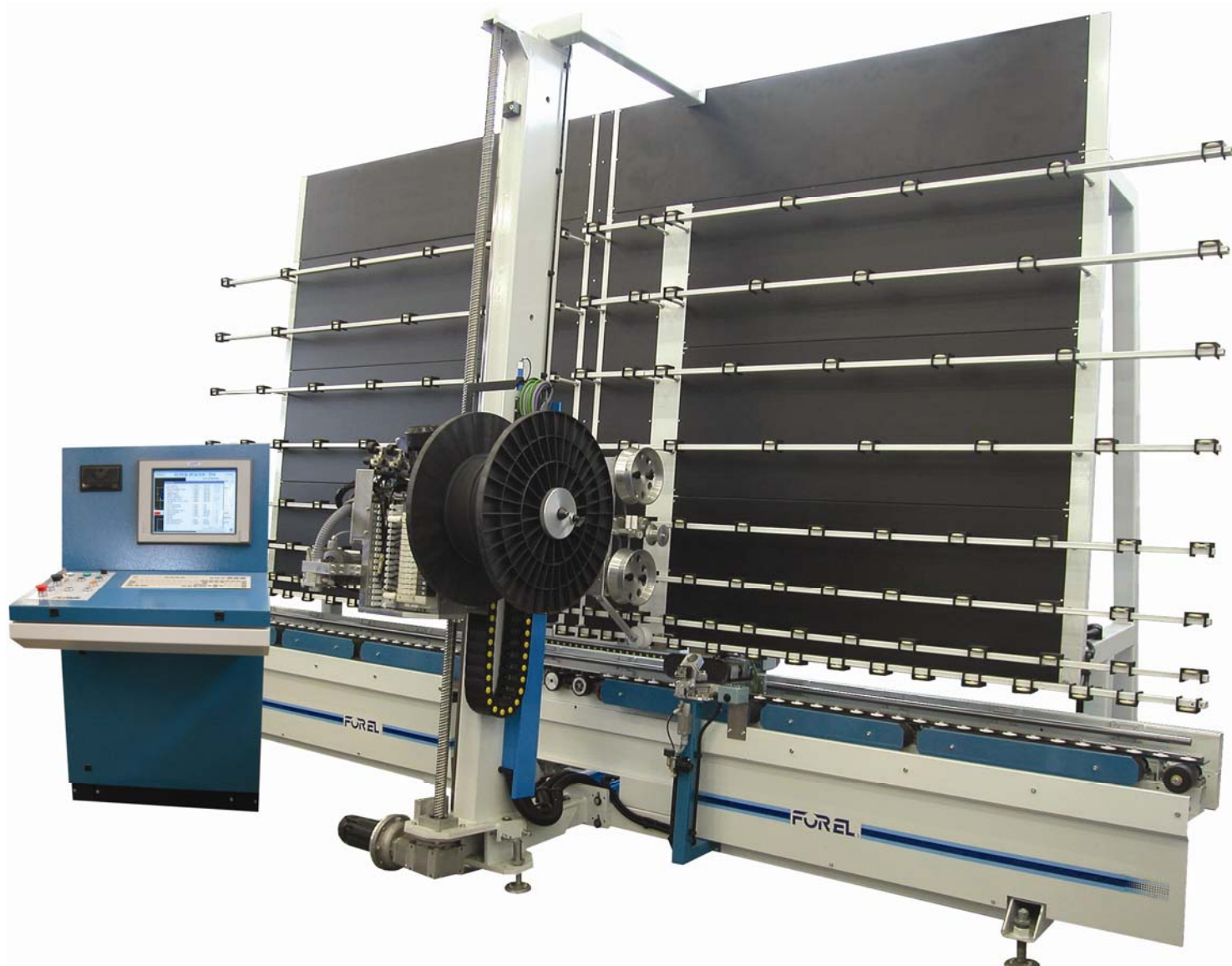
Minimum glass size: 320 mm x 180 mm

Glass thickness: 4÷20 mm

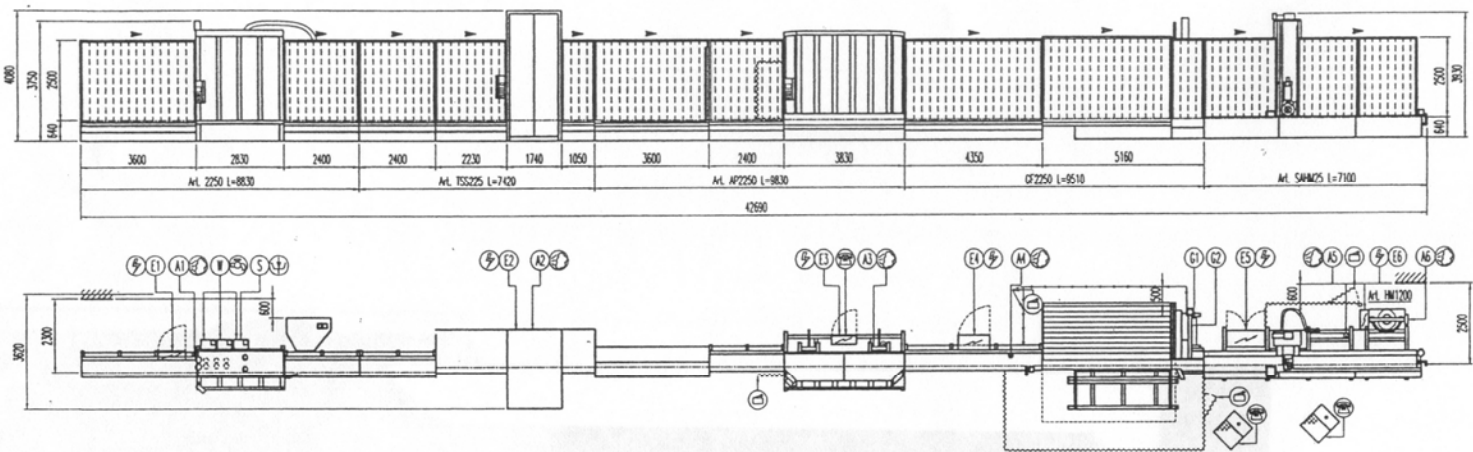
Maximum profile application speed: 500 mm/s

Maximum profile thickness: 20 mm

Productivity: according to the type of double glazing (1 glass sized 1000 mm x 500 mm every 30 seconds)



ELECTRIC PROTECTION DEVICES (MAKING POWER SUPPLY) AGAINST:
 - OVERLOADS
 - SHORT CIRCUIT
 - INDIRECT CONTACTS
 ARE CUSTOMER SUPPLY AND INSTALLATION FOR IT SYSTEMS. THE LEVEL OF INSULATION OF FORKED MACHINES IS SUCH THAT IT ACCEPTS A CLASS A DIFFERENTIAL PROTECTION SWITCH NOT ONLY IN MANDATORY CASES (WET ENVIRONMENTS) BUT IN PRACTICALLY ALL INSTALLATIONS. SHOULD EMC FILTERS BE INSTALLED, THE DIFFERENTIAL PROTECTION CAN BE INCREASED TO 6.5 A (IN ANY CASE ADJUST TO THE HUMAN PARAMETERS).
 CONVEYING PLANES ARE 0° INCLINED TOWARDS THE MAIN PLANES.



I.G. Line Plant Art. AP2250
 with vertical washing machine Art. 2250
 with automatic warm edge Art. TSS225
 with automatic gas filler Art. GF2250
 with automatic sealing robot Art. SAHM25

KEY MODEL
 ANALOG
 TELEPHONE LINE

S	W	WATER CONSUMPTION
1/4"	1/4"	25 ltr

A1	A2	A3	A4	A5	A6	G1 G2 G3	GAS
CONSUMPTION	CONSUMPTION	CONSUMPTION	CONSUMPTION	CONSUMPTION	CONSUMPTION	FEEDING AT LEAST OF 7 BOTTLES (FOR EACH TYPE OF GAS) LINED UP IN PARALLEL WITH 10 ZONES (HIGH PRESSURE) 400.5 m ³ /h at 5 bar.	

E1	E2	E3	E4	E5	E6
Pressure -500 400/230V Inhabited 23 W Rated maximum -400	Pressure -500 400/230V Inhabited 7 W Rated maximum -400	Pressure -500 400/230V Inhabited 15 W Rated maximum -400	Pressure -500 400/230V Inhabited 9 W Rated maximum -400	Pressure -500 400/230V Inhabited 10 W Rated maximum -400	Pressure -500 400/230V Inhabited 10 W Rated maximum -400

----- SAFETY GUARDS SUPPLIED BY THE MANUFACTURER.
 — THESE SAFETY GUARDS AS DEPENDING ON THE FLOOR SPACE LAYOUT OF THE MANUFACTURING AREA ARE THE END-USERS RESPONSIBILITY AND CHARGE.
 (C) ANY RELATIVE SUPPLY OF MICROSWITCHES OR INTERLOCKING DEVICES IS TO THE SUPPLIER RESPONSIBILITY AND CHARGE. THE LAYOUT ILLUSTRATED IS TO BE CONSIDERED INDICATIVE.

* ENLARGE THIS LAYOUT BY 2 (FROM A1 TO A2) TO OBTAIN A SCALE DRAWING 1:100

FORAL
 Projecting & Sealing of Glass
 2002 - 1000 7 Avenue Parkside

CLIENT: _____
 DES. BY: GENOV
 DATA: 20/05/2004
 SCALE: 1:100

The data concerning the technical features of the items included in this layout is not binding, as it is liable to change without prior notice.