

1.2

Art. VW2000

(the information concerning the technical / technological features of the item included in this data sheet is not binding, and may be liable to change without prior notice).

1.2.1 TECHNICAL FEATURES

• Dimensions

Length.....	8590 mm (338,2")
Depth.....	2260 mm (88,9")
Distance from wall (machine's central axis).....	2300 mm (90,5")
Height.....	3250 mm (127,9")
Weight.....	3400 kg (approx.)

• Electrical features

Regulations applied.....	CEI EN 60204-1
Current and frequency.....	400 V 50/60 Hz 3P+N+PE
Rated functioning tension.....	400 V (motors)
.....	400 V (heating)
Rated insulation tension.....	1000 V (with 24V circuits on)
Rated tension of auxiliary circuits.....	24 Vac and 24 Vdc
Functioning limits.....	tension 400 V $\pm$ 10% - Freq. 50/60 Hz $\pm$ 1%
.....	temperature min. +5°C, max. +40°C
.....	humidity < 80%
.....	altitude < 1000 m above sea level.
Rated current of circuits.....	32 A (motors)
.....	20 A (heating)
Degree of protection.....	IP 55
Type of operating.....	continuous
Type of grounding system.....	TT (ground insulated from neutral)
Total power installed.....	30 kW
Peak power absorbing.....	80 %
Average power absorbing.....	40 %
Minimum wire section.....	16 mm ²

• Supply connection

Electric power.....	cable 5 x 16 mm ²
Compressed air.....	quick coupling $\varnothing$ 1½" - 6 bar
Water supply.....	1 connection Rp ½" female pipe thread with connection for flexible pipe $\varnothing$ 17 int. - 2,5 bar

• Discharges

Supply water discharge.....	1 connection Rp 1¼" female pipe thread with connection for flexible pipe $\varnothing$ 40 int.
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• Consumption

Compressed air consumption.....	50 NI/min (peak)
Supply water consumption.....	according to type of glass and filth

1.2.2 TECHNOLOGICAL FEATURES

Minimum pane dimensions.....	310 mm x H=160 mm (12,2" x H=6,3")
Maximum pane dimensions.....	3600 mm (141,7") (or higher with additional conveyor optional) x H=2000 mm (H=78,7")
Glass thickness.....	from 3 to 40 mm (from 0,12" to 1,57")
Maximum conveyable weight.....	200 kg/m
Conveying speed (max.).....	200 mm/s
Productivity.....	according to type of glass
Worktop height.....	640 mm (25,2")

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GENERAL FEATURES

In the specific processing of double-glazed units with flexible spacer profile, applied with the **automatic flexible spacer applicator** (FOREL Art. TSS... – TBB...), the CT2000 corner tape applicator enables you to automatic closing of the last corner with mylar adhesive tape (corner tape).
The corner tape applicator is generally mounted on the coupler feed conveyor (belonging to another supply).



The controls and the diagnostics of the corner tape applicator Art CT2000 are included in the control panel of the incorporating machine (FOREL Art. APG...).

In order to ensure the operator's safety, in front of the corner tape applicator, there is a safety electrosensitive mat.

ELECTRIC PANEL

Manufactured according to the D.P.R. 17/10 and what is expected from the regulation of the machine's directive 2006/42/CE.

Inside the electric panel all the machine's controls and power supply components are housed.

1.1

Art. CT2000

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1.1.1 TECHNICAL FEATURES

• Dimensions

Length.....	900 mm	(35,4")
Depth.....	450 mm	(17,7")
Height.....	700 mm	(27,5")
Weight.....	30 kg	(approx.)

• Electrical features

Regulations applied.....	CEI EN 60204-1
Rated functioning tension.....	48 Vdc (motors)
Rated current of circuits.....	1 A (motors)
Total power installed.....	0,1 kW (on the electric panel of the incorporating machine)
Peak power absorbing.....	N. A.
Average power absorbing.....	N. A.
Minimum wire section.....	N. A. (on the electric panel of the incorporating machine)

• Supply connection

Electric power.....	N. A. (on the electric panel of the incorporating machine)
Compressed air.....	quick coupling $\varnothing 1/4"$ - 6 bar

• Consumption

Compressed air consumption.....	300 NI/min (peak)
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1.1.2 TECHNOLOGICAL FEATURES

Double-glazed units that can be processed.....	rectangular and curved shape (straight and curved provided that the corner to be closed is the last and right angle)
Glass thickness.....	from 3 to 30 mm (from 0,12" to 1,18")
Spacer frames thickness.....	from 6,5 to 24 mm (from 0,25" to 0,94")
Spacer frame maximum depth.....	10 mm (from the external face of the spacer frame to the edge of the glass pane)
Type of corner tape.....	adhesive mylar tape (width 30 mm)

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Art. TSS200

1.2.1 TECHNICAL FEATURES

• Dimensions

Length	7350 mm (289.4")
Depth.....	2700 mm (106,3")
Distance from wall (machine's central axis)	1785 mm (70,3")
Height.....	3100 mm (122")
Weight.....	3050 kg (approx.)

• Electrical features

Regulations applied	CEI EN 60204-1
Current and frequency	400 V 50 Hz 3P+N+PE
Rated functioning tension.....	400 V (motors)
Rated insulation tension.....	1000 V (with 24V circuits on)
Rated tension of auxiliary circuits	24 Vac and 24 Vdc
Functioning limits	tension 400 V $\pm$ 10% - Freq. 50 Hz $\pm$ 1%
.....	temperature min. +5°C, max. +40°C
.....	humidity < 80%
.....	altitude < 1000 m above sea level.
Rated current of circuits	16 A (motors)
Degree of protection.....	IP 55
Type of operating	continuous
Type of grounding system	TT (ground insulated from neutral)
Total power installed	7 kW
Peak power absorbing	50 %
Average power absorbing	30 %
Minimum wire section.....	4 mm ²

• Supply connection

Electric power	cable 5 x 4 mm ²
Compressed air	quick coupling $\varnothing 1/2"$ - 6 bar
Ethernet connection	category "5/6" UTP shielded cable - RJ-45 connector

• Consumption

Compressed air consumption.....	400 NI/min (peak)
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1.2.2 TECHNOLOGICAL FEATURES

Minimum pane dimensions.....	320 mm x H=180 mm (12,6" x H=7,08")
Maximum pane dimensions:	
rectangles.....	4500 mm (177,1") (longer on request) x H=2000 mm (H=78,7")
with "shapes" optional	4200 mm (165,3") x H=2000 mm (H=78,7")
Pane thickness	from 3 to 20 mm (from 0,118" to 0,78")
Maximum conveyable weight	200 kg/m
Conveying speed (max.)	630 mm/s
Spacer profile application speed (max.).....	500 mm/s
Type of spacer profile.....	SuperSpacer Standard [H=5 mm (H=3/16")] and/or SuperSpacer Premium [H=5 mm (H=3/16")] or SuperSpacer Premium Plus [H=6,5 mm (H=1/4")]
Spacer profile thickness	from 6 to 20 mm (from 0,23" to 0,78")
Type of bobbin	SuperSpacer® "large" and "small"
Productivity	according to type of glass (1 pane dim. 1000 mm x H=500 mm every 30 s)
Worktop height.....	640 mm (25,2")

1.2.2 TECHNOLOGICAL FEATURES

Minimum double-glazed unit dimensions	320 mm x H=180 mm (12,6" x H=7,08")
Maximum double-glazed unit dimensions	3150 mm x H=2000 mm (124" x H=78,7") (with only one press and gas filling)
Long panes function (without gas filling)	4000 mm (157,5") [4500 mm (177,1") with high productivity conveyor optional] x H=2000 mm (H=78,7")
Minimum offset panes dimensions	320 mm x H=180 mm (12,6" x H=7,08") (ref. small pane)
Maximum offset panes dimensions:	
[bottom side (pane contact) 70 mm]	3150 mm x H=2000 mm (124" x H=78,7") (with only one press and gas filling)
[bottom side (pane contact) 0 mm]	4000 mm (157,5") [4500 mm (177,1") with high productivity conveyor optional] x H=2000 mm (H=78,7") (without gas filling)
Max. vertical structural offset:	
bottom side (pane contact)	70 mm (2,75")
top side	no limit
Max. horizontal structural offset:	
head side	70 mm (2,75")
tail side	no limit
Double-glazed unit total thickness	from 12 to 65 mm (from 0,47" to 2,56") [in 3 panes function, 1st chamber (2 panes + spacer frame) max. 56 mm] - [in 4 panes function, 1st chamber + 2nd chamber (3 panes + 2 spacer frame) max. 56 mm]
Spacer frames thickness	from 6 to 32 mm (from 0,23" to 1,26")
Gas filling time	according to type of double-glazed unit
Gas concentration after filling	90% -5 +10
Maximum conveyable weight	200 kg/m
Conveying speed (max.)	630 mm/s
Productivity	according to type of double-glazed unit
Worktop height	640 mm (25,2")



The offset ranges of the coupling machine must be compatible with the offset ranges of the subsequent sealing machine process (automatic).