

Vertical insulating glass production line

The start-up-solution for automatic insulating glass manufacturing

- ◆ Washing, frame positioning, assembling and sealing in one go
- ◆ Can be used with metallic or plastic spacers
- ◆ Requires minimum space
- ◆ Simple operation
- ◆ Ease of maintenance, reliable and robust construction
- ◆ Basic working height 2,70 m



System components

Glass plate washing machine

- ◆ Continuous cleaning and drying of glass plates of different sizes and thicknesses
- ◆ Three separate brush-pair drives with alternating brush rotation directions
- ◆ Chainless brush- and transport drives outside of the machine
- ◆ Synchronized drive of transport shafts
- ◆ Environmentally beneficial, energy saving water-circuit system by separated washing and rinsing zone

Inspection and frame positioning station

- ◆ Visual inspection of glass plates and manual positioning of spacer frames
- ◆ Contrasting, well-lit inspection area for effective and quick glass plate control
- ◆ Automatic swivelling of the vertical frame positioning girder
- ◆ Operator guidance by coloured signal-lights

Assembly- and press robot

- ◆ Automatic assembling and pressing of double and triple I.G. units, also available as 3-sided stepped or 4-sided stepped version (option)
- ◆ Processing of various dimensions and spacer widths in any sequence
- ◆ Constant pressing
- ◆ Electronic pressing power adjustment
- ◆ Adjustable, precise press plate guidance

Options

- ◆ Manufacturing of 3-sided stepped or 4-sided stepped I.G. units
- ◆ Manual sealing area with rotating sealing table and 2-component dosing- and mixing system
- ◆ compact'sealer – continuous, automatic sealing of I.G. units

Technical data	
Working height	2.70 m
Processable dimensions	min. 190 x 350 mm
Using one-step pressing	up to 3500 mm length
Using two-step pressing	up to 5000 mm length
Insulating glass thickness	12 – 60 mm
Glass thickness	3 – 15 mm
Spacer width	6 – 24 mm