Bystronic glass

Assembly-, gas fill- and press robots

Dynamic interaction of power and precision

Common product characteristics

- Automatic assembling and pressing of insulating glass units, optional with gas filling
- Processing of different dimensions and spacer widths in any sequence
- Constant pressing of double and triple insulating glass units
- Suitable for rectangular and nearly all kind of shaped formats
- Constant high gas filling degree, less gas leakage
- Fast reacting sensor for permanent control of the gas filling process

assembler ZP-SP

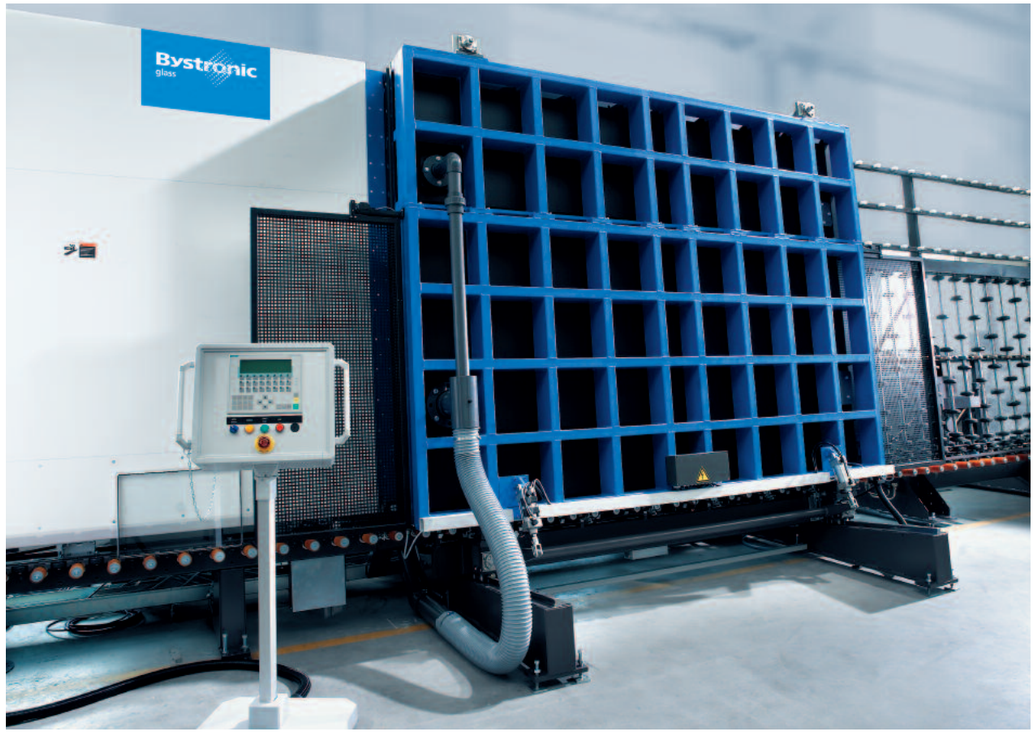
Assembly- and press robot, Type ZP-SP

- One- or two-step-pressing of insulating glass units up to max. 5,00 m length
- Electronic pressing power adjustment
- Constant pressing with plane-parallel guided and distortion-free press-plates
- Adjustable, precise press-plate guiding
- Easy accessibility for maintenance and cleaning by automatic opening and locking of the press-plates
- Constant short cycle times, even when processing large dimensions

Options

- Pressure compensation device for processing of impervious metal spacer frames with closed butyl core
- Adjusting device for production of stepped insulating glass units
- Electronic control for correct assembling of the insulating glass unit
- Program for rejecting of defective glass plates
- Installation in tandem version

Technical data	
Working heights	1.60 m / 2.30 m / 2.70 m / 3.20 m (5.249 / 7.545 / 8.858 / 10.498 feet)
Processable dimensions	min. 170 x 350 mm (6.692" x 13.779") max. 3200 x 3500 mm (10.498 x 11.483 feet)
using two-step pressing	up to max. 5000 mm (16.404 feet)
Insulating glass thickness	max. 60 mm (2.362")
Glass thickness	max. 15 mm (0.590")



assembler ZP-SP-G

Assembly-, gas fill- and press robot, Type ZP-SP-G

- One- or two-step-pressing of insulating glass units up to max. 5.00 m length
- Quick gas filling system for processing of Argon as standard filling gas
- Large filling cross section for quick gas filling with low gas filling speed
- Automatic gas filling of insulating glass units which are longer than the station
- Program controlled optimizing of filling parameters
- No holes in spacer frame necessary
- Electronic pressing power control
- Constant pressing with plane-parallel guided and distortion-free press-plates
- Adjustable, precise press-plate guiding

Options

- Additional equipment for gas filling of insulating glass units with Krypton as well as gas mixtures
- Additional equipment for gas filling of triple insulating glass units (both air spaces)
- Additional equipment for gas filling of insulating glass units with muntin bars
- Equipment for manufacturing resp. gas filling of stepped insulating glass units
- Electronic control for correct assembling of the insulating glass unit
- Program for rejecting of defective glass plates
- Additional device for processing of TPS® insulating glass

Technical data	
Working heights	1.60 m / 2.30 m / 2.70 m / 3.20 m (5.249 / 7.545 / 8.858 / 10.498 feet)
Processable dimensions	min. 170 x 350 mm (6.692" x 13.779") max. 3200 x 3500 mm (10.498 x 11.483 feet)
using two-step pressing	up to max. 5000 mm (16.404 feet)
Insulating glass thickness	max. 60 mm (2.362")
Glass thickness	max. 15 mm (0.590")
Rectangular lower leading edge for shaped formats for gas filling	min. 350 (l) x 170 mm (h) (13.779" x 6.692")

assembler ZP-TG-G

Tandem assembly-, gas fill- and press robot, Type ZP-TG-G

- One- or two-step-pressing of insulating glass units up to max. 6.00 m length
- Simultaneous assembling, gas filling and pressing of two insulating glass units
- Separated press-plates for tandem operation
- Quick gas filling system for processing of Argon as standard filling gas
- Efficient by tandem operation for manufacturing of usual unit sizes, single operation for oversized units

Options

- Additional equipment for manufacturing and gas filling of 1- up to 4-sided stepped rectangular and shaped formats
- Additional equipment for gas filling of insulating glass units with Krypton as well as gas mixtures
- Additional equipment for gas filling of triple insulating glass units (both air spaces)
- Additional equipment for gas filling of insulating glass units with muntin bars (both sides)
- Electronic control for correct assembling of the insulating glass unit
- Program for rejecting of defective glass plates
- Additional device for processing of TPS® insulating glass

Technical data	
Working heights	1.60 m / 2.30 m / 2.70 m / 3.20 m (5.249 / 7.545 / 8.858 / 10.498 feet)
Processable dimensions	min. 170 x 350 mm (6.692“ x 13.779“) max. 3200 x 3500 mm (10.498 x 11.483 feet)
using two-step pressing	up to max. 6000 mm (19.684 feet)
Insulating glass thickness	max. 60 mm (2.362“)
Glass thickness	max. 15 mm (0.590“)

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