

## **B'COMFORT** **YOUR ENTRY INTO THE WORLD** **OF I.G. MANUFACTURING.**



**YOU CAN ALWAYS RELY UPON:**

- German-Swiss quality standards
- High efficiency and reliability
- Worldwide after-sales service

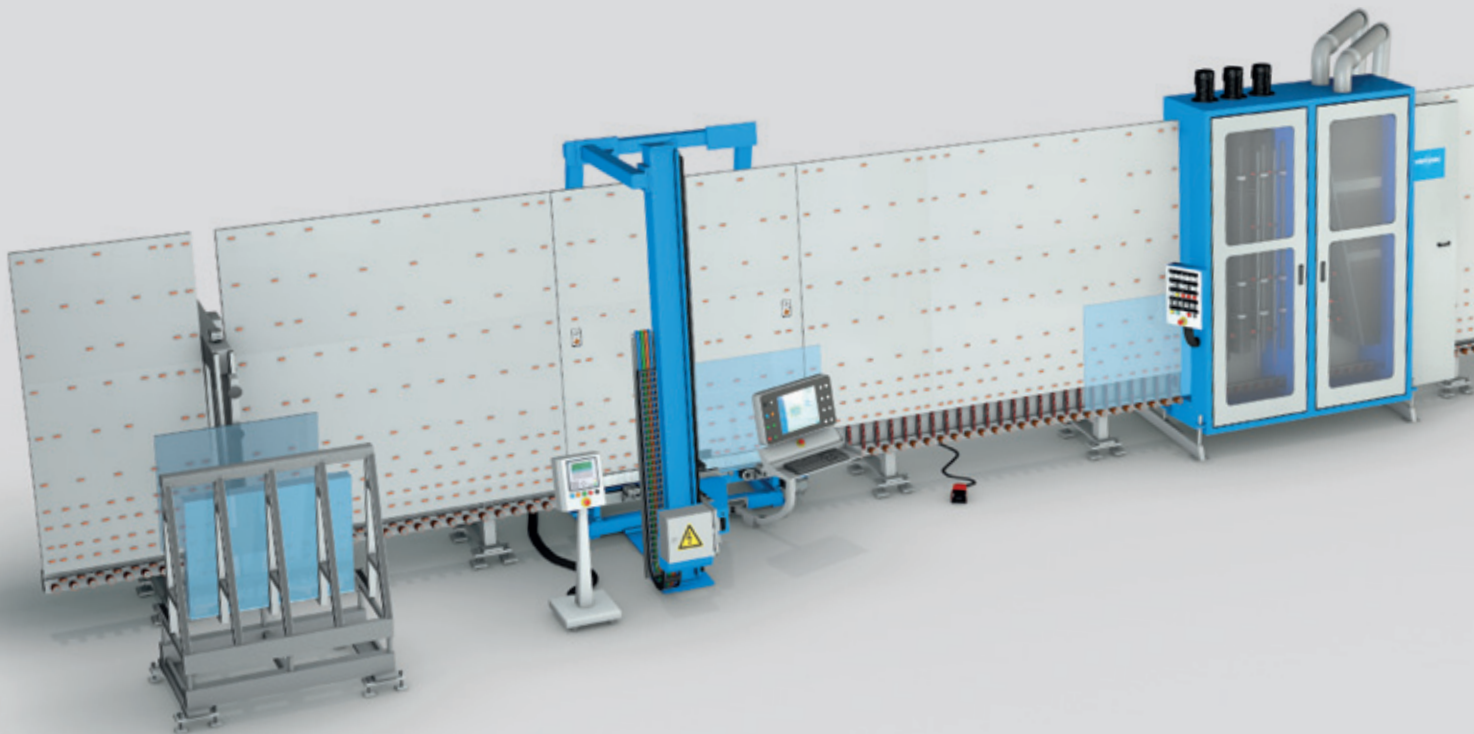
### **The start-up solution in automated insulating glass production**

- Automatic vertical manufacturing line for the production of **up to 800 gas filled I.G. units** per shift
- Various additional **options** available
- **Easy to use** due to intuitive operator controls
- Outstanding **reliability** and excellent cost/performance ratio
- **All on one line** – rectangular, shaped and from 1- up to 3-sided stepped, gas filled I.G. unit manufacturing
- **Process stability** through
  - Automatic manufacturing control of stepped I.G. units
  - Automatic detection of low-E glass coating

# EFFICIENT. RELIABLE. DURABLE.

High quality system components for maximum efficiency

The Bystronic glass **B'COMFORT** offers high quality gas filled I.G. unit manufacturing with an excellent cost/performance ratio. Due to the high productivity of the **B'COMFORT**, an output of up to 800 gas filled I.G. units can be achieved per shift. The excellent quality of the components results in reliability and long service life. The **B'COMFORT** includes numerous components as standard and various additional options.



## OPTION GLASS LOADING

- Safe separation of glass plates from the stack by special, swivel arm movement
- Application of heavy glass plates up to 200 kg
- Flexible adaption to different application conditions

## OPTION EDGE DELETION

- Continuous, automatic coated glass edge deletion
- Automatic dressing of grinding wheel
- Automatic wheel speed control
- Multiple-path edge deletion for widths > 10 mm

## STANDARD GLASS WASHING

- Continuous cleaning and drying of all kinds of glass plates
- Three separate brush-pairs for optimum cleaning
- External drives for easy maintenance
- Electronic rotation speed control for low-E glass





Illustration with optional features

**STANDARD  
INSPECTION AND FRAME  
POSITIONING**

- Total visual glass surface monitoring
- Contrasting lighting for fast and efficient glass plate inspection
- Automatic height adjustment accommodates glass dimensions
- Program-controlled vertical and horizontal frame positioning girder

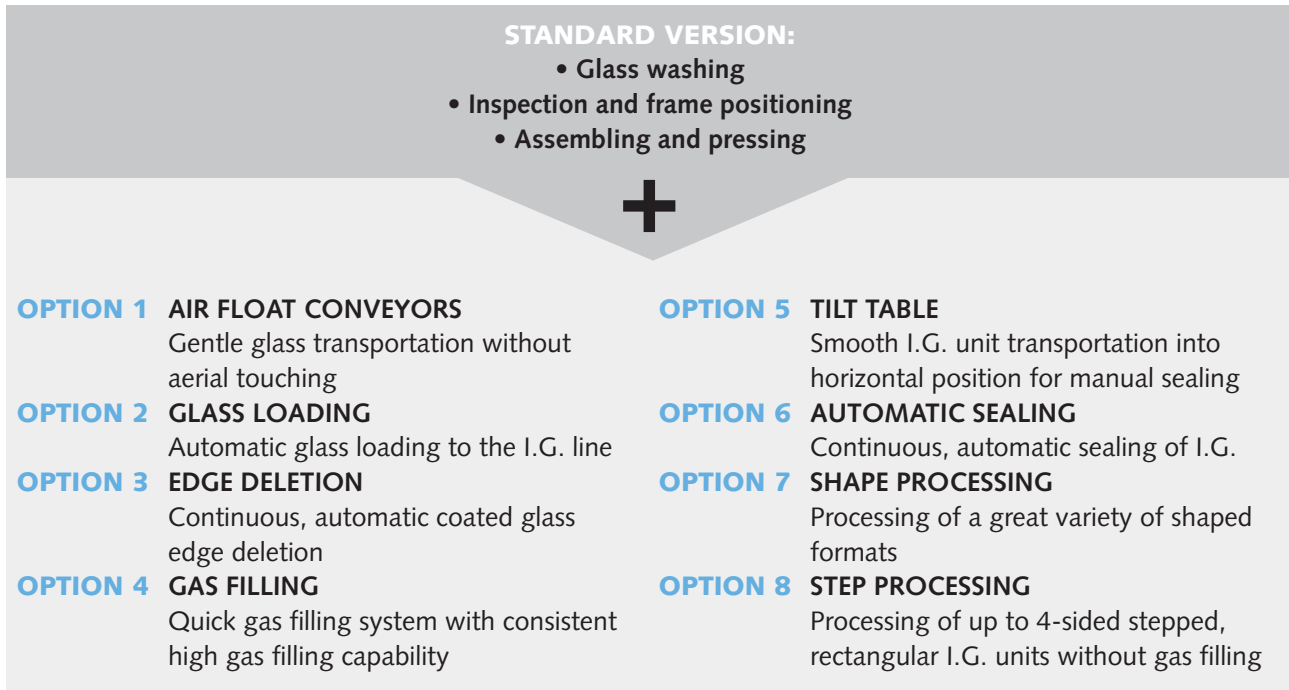
**STANDARD  
ASSEMBLING, PRESSING  
OPTION GAS FILLING**

- Automatic assembling and pressing of I.G. units
- Processing of various dimensions and spacer widths in any sequence
- Quick gas filling system with consistent, high gas filling capability
- Electronic pressing power control

**OPTION  
AUTOMATIC SEALING**

- Continuous, automatic I.G. unit sealing with different formats and dimensions
- Fast, volume-controlled dosing system
- Homogeneously sealed corners via nozzle/spatula system
- Hard- and software adaption for sealing depths up to 20 mm





| TECHNICAL DATA                                     | B'COMFORT  | B'COMFORT WITH GAS   |
|--|--|--|
| Working height                                     | 2.30 m / 2.70 m  | 2.30 m / 2.70 m  |
| Processable dimensions                             | min. 190 x 350 mm  | min. 190 x 350 mm  |
| Using one-step pressing                            | up to 3500 mm length   | up to 3500 mm length   |
| Using two-step pressing                            | up to 5000 mm length   | up to 4500 mm length without gas filling   |
| Processable dimensions of glass loading (Option 2) | min. 340 x 420 mm<br>max. 2000 x 2000 mm   | min. 340 x 420 mm<br>max. 2000 x 2000 mm   |
| Insulating glass thickness                         | 12 – 60 mm   | 12 – 60 mm   |
| Glass thickness                                    | 3 – 15 mm  | 3 – 15 mm  |
| Spacer width                                       | 6 – 24 mm  | 6 – 24 mm  |
| Conveyor speed                                     | 48 m/min   | 48 m/min   |
| Vertical frame setback                             | up to 250 mm   | up to 250 mm   |
| Types of I.G. units                                | <ul style="list-style-type: none"> <li>• Rectangular units</li> <li>• Shaped units</li> <li>• Double units</li> <li>• Triple units</li> <li>• 1- up to 4-sided stepped double units</li> </ul> | <ul style="list-style-type: none"> <li>- Rectangular units</li> <li>- Shaped units</li> <li>- Double units</li> <li>- Triple units</li> <li>- 1- up to 3-sided stepped double units</li> </ul> |
| Processing of low-E glass                          | <ul style="list-style-type: none"> <li>• Soft- and hard-coated</li> <li>• Automatic detection of coating</li> </ul>  | <ul style="list-style-type: none"> <li>- Soft- and hard-coated</li> <li>- Automatic coating detection</li> </ul>   |

