

B'ADVANCE

THE EFFICIENT STANDARD SOLUTION IN I.G. MANUFACTURING



YOU CAN ALWAYS RELY UPON:

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

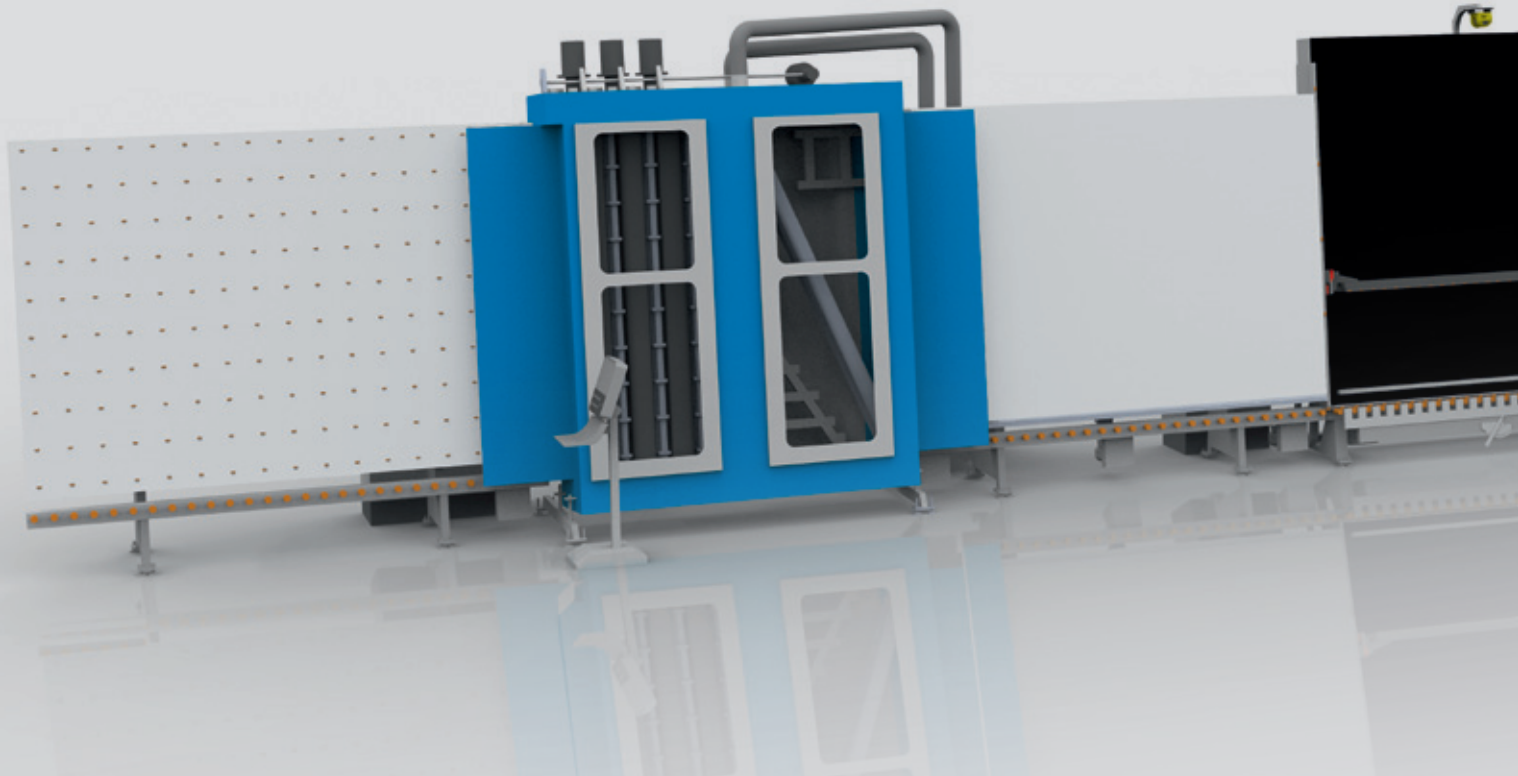
Automated manufacturing of I.G. with low-E glass at the highest level

- High quality manufacturing of rectangular or shaped, gas filled I.G. units with low-E glass on one line
- Fully equipped I.G. line – STANDARD EDITION – engineered and manufactured in Germany
- Manufacturing of 3-sided stepped I.G. units as a standard
- Air cushion conveyors instead of roller conveyors as a standard
- Server based control system including remote support
- High flexibility and excellent productivity
- Excellent price/performance ratio and short delivery time

EFFICIENT. PRECISE. RELIABLE.

High quality system components for maximum efficiency

The Bystronic glass **B'ADVANCE** offers high quality, gas filled I.G. unit manufacturing of rectangular and shaped formats. This I.G. line offers numerous components like e.g. air cushion conveyors, a server based control system or the manufacturing of 3-sided stepped I.G. units as standard. The **B'ADVANCE** is engineered and manufactured in Germany and helps you to increase your productivity. It is deliverable within a short period and convinces by its excellent price/performance ratio.



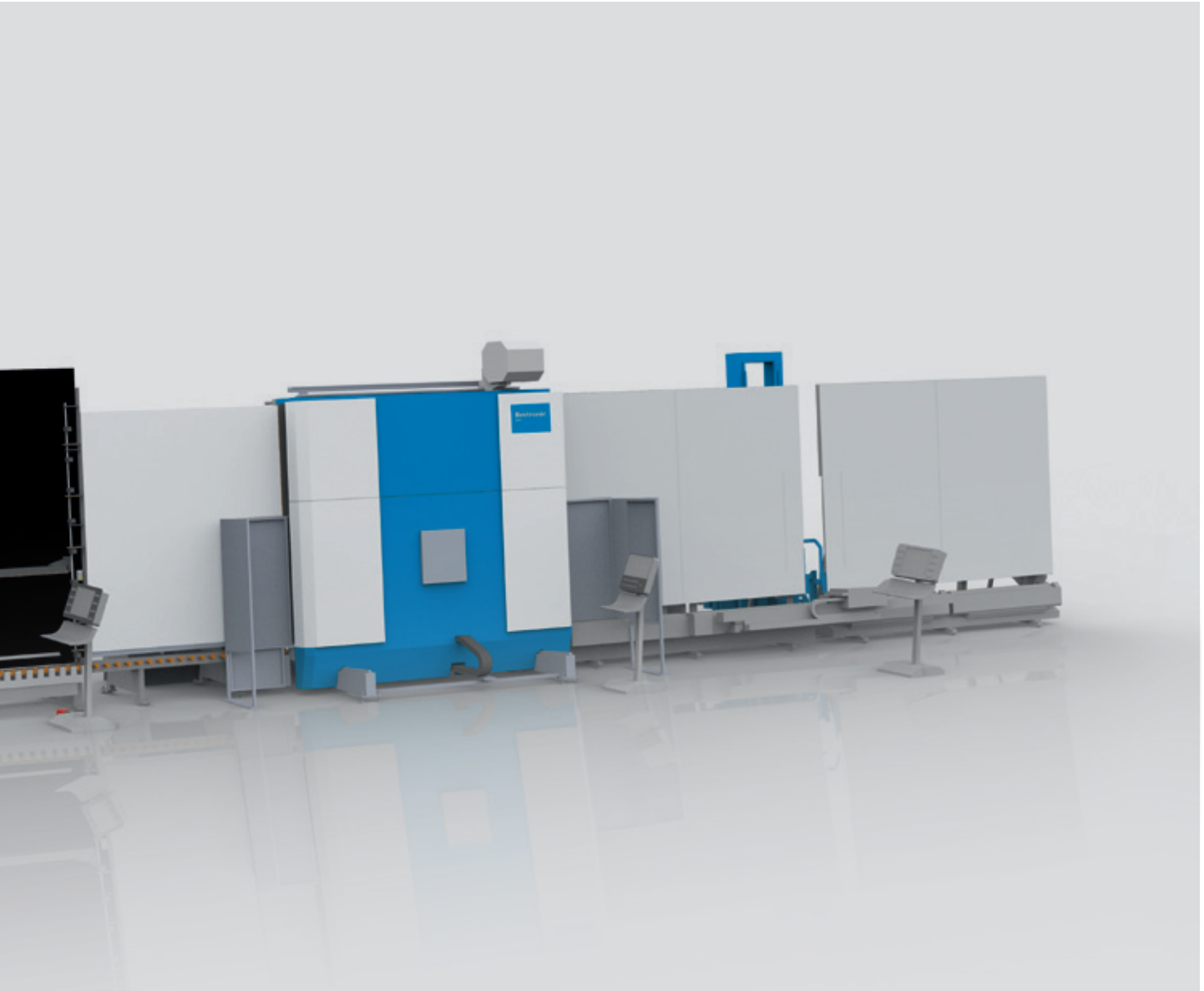
GLASS WASHING

- Continuous cleaning and drying of all kinds of glass plates between 3 – 25 mm
- Three separate brush-pairs for optimum cleaning
- External drives for easy maintenance
- Electronic rotation speed control for low-E glass

INSPECTION AND FRAME POSITIONING

- Total visual glass surface monitoring
- Contrasting lighting for fast and efficient glass plate inspection
- Automatic height adjustment accommodates glass dimensions





ASSEMBLING, GAS FILLING, PRESSING

- Automatic assembling, gas filling 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

AUTOMATIC SEALING

- Continuous I.G. unit sealing with different formats and dimensions
- Fast, volume-controlled dosing system
- Homogeneously sealed corners via nozzle/spatula system
- Sealing of I.G. units with up to 60 mm unit thickness



B'ADVANCE - STANDARD EDITION

- Glass washing
- Inspection and frame positioning
- Assembling, gas filling and pressing
- Automatic sealing



OPTION 1 ROLLER BLIND

Rear access to inspection station by motor-driven roller blind

OPTION 2 OVERHEAD CONVEYOR

Overhead conveyor for spacer frames at the inspection station

OPTION 3 GAS FILLING WITH KRYPTON

Additional equipment to ensure consistent and high gas filling rates with Krypton

OPTION 4 ADDITIONAL DRUM PUMPS

Equipment for uninterrupted operation during drum change of A-/B-component at the sealing robot

| TECHNICAL DATA | B'ADVANCE |
|----------------------------|--|
| Working height | 2.70 m |
| Processable dimensions | min. 190 x 350 mm max. 2700 x 3500 mm |
| Insulating glass thickness | 12 – 60 mm |
| Glass thickness | 3 – 25 mm |
| Spacer width | 6 – 24 mm |
| Conveyor speed | 48 m/min |
| Sealing depth | 20 mm |
| Types of I.G. units | - Rectangular units - Shaped units - Double units - Triple units - 1- up to 3-sided stepped double and triple units up to 250 mm setback |
| Processing of low-E glass | - Soft- and hard-coated - Automatic coating detection |

