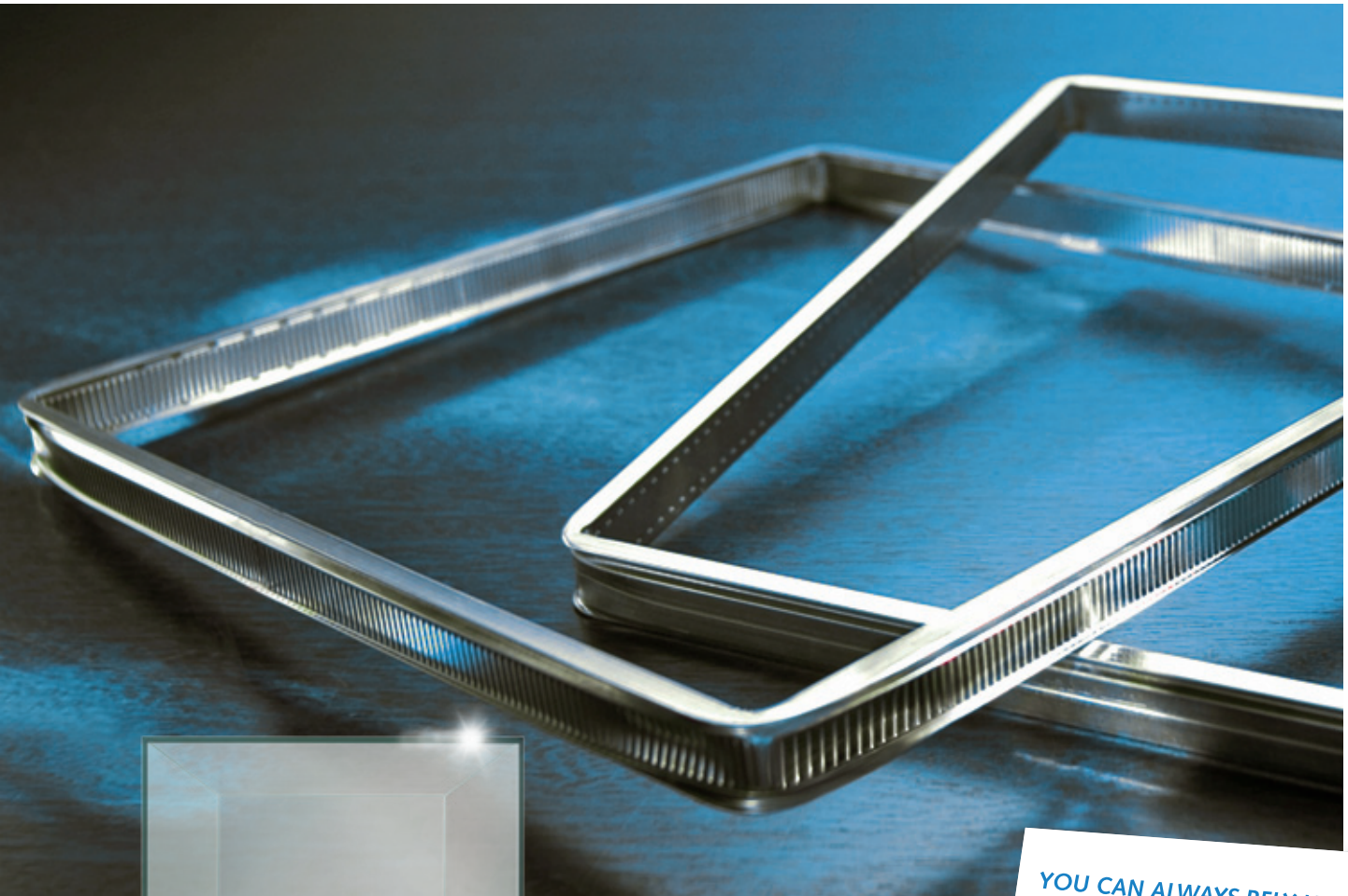


AUTOMATIC DESSICANT FILLING, BUTYL COATING AND SPACER FRAME APPLICATION



YOU CAN ALWAYS RELY UPON:

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

Efficient manufacturing process through simplified logistics

- Combination of **desiccantfiller AT**, **butyler BA** and **framepositioner RAA** ensures automatic processing of spacer frames
- Simplified logistics using first-in/first-out process
- Automatic frame transfer to the **butyler BA** and the **framepositioner RAA**
- Data transfer including muntin bar identification
- Continuous application in any sequence for different frame dimensions, spacer widths and glass thicknesses
- Exact alignment of all frame segments by means of controlled gripper system

AUTOMATIC. PRECISE. ECONOMIC.

Combination of desiccantfiller AT, butyler BA and framepositioner RAA ensures automatic processing of spacer frames

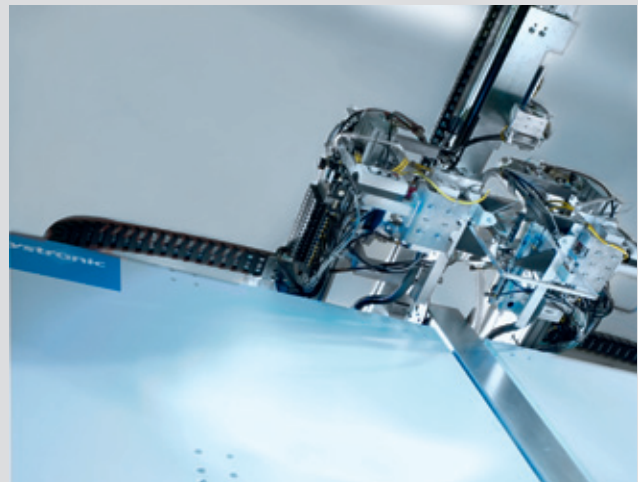
Desiccant filling without manual intervention providing shortest cycle times thanks to parallel filling and transporting operations.

desiccantfiller AT

- Simplified logistics via first-in/first-out process
- Processing of stretched and curved frames made of aluminium, steel, stainless steel or plastic profiles
- Proven drilling of fill holes centered at the back of the spacer profile
- Parallel drilling and filling of the two vertical frame legs
- Clean and sensor-controlled filling operation with removal of excessive desiccant grains by suction
- Desiccant grains, spheric \varnothing 0.5 up to 0.9 mm (0.02 – 0.04 in.), 200 litres (55 gallons) drums
- Automatic butyl sealing of the filling holes
- Automatic frame transfer to **butyler BA**
- Processing symmetrical internal bars up to 40 mm (1.57 in.) wide
- Shape filling in manual operation possible

Options

- **picker** – frame carrier for spacer frame buffering at spacerbending machines
- **feeder** – frame carrier for spacer frame buffering and transportation from spacerbending machines to the **desiccantfiller AT**



TECHNICAL DATA	DESICCANTFILLER AT
Processable dimensions with automatic feeding (h x l)	min. 250 x 250 mm (9.84 x 9.84 in.) max. 2000 x 2000 mm (78.7 x 78.7 in.)
Processable dimensions with manual feeding (h x l)	min. 250 x 250 mm (9.84 x 9.84 in.) max. 2500 x 2300 mm (98.4 x 90.6 in.)
Processable spacer widths	6 – 32 mm (0.24 – 1.26 in.)
Horizontal frame transport height	500 mm (19.7 in.)
Working direction	left – right or right – left

Precise and user-friendly spacer frame coating with butyl.

butyler BA

- Stepless automatic nozzle adjustment for spacer width 5 – 24 mm (0.20 – 0.94 in.), 12 pre-adjustable spacer widths possible
- Interruption free, long term operation via 200 litres butyl drum pump system
- Frame transport system incorporating servo motors as well as application speed control for reliable application also on the corner sections
- Positioning stops and frame guidings for speedy precision, high repetition application
- Gentle turning of spacer frames via stepless adjustable rotating speed, dependent on spacer frame dimension
- Double gripper system, automatic outer gripper activation for safe support and fast rotation of larger frames
- Sealant feeding to nozzles via temperature controlled pipe system with controlled heating circuits for gentle material treatment

Options

- Semi-automatic quick adjustment for different spacer height butyl coating
- Additional equipment for automatic frame coating with muntin bars
- Coating process can be switched over for bent radius corners and key corners
- Run in conveyor for uncoated frames
- Overhead frame conveyor for storage and automatic transfer of uncoated frames
- Overhead frame conveyor for automatic takeover and storage of coated frames
- Additional equipment for frame tilting if support walls are opposed slanted
- Equipment for butyl processing with abrasive effects



TECHNICAL DATA

Processable dimensions

BUTYLER BA

min. 250 x 250 mm (9.84 x 9.84 in)
max. 1800 x 1800 mm (70.9 x 70.9 in.)
or 2300 x 2500 mm (90.6 x 98.4 in.)
with support wall extensions

Processable spacer widths

5 – 24 mm (0.20 – 0.94 in.)

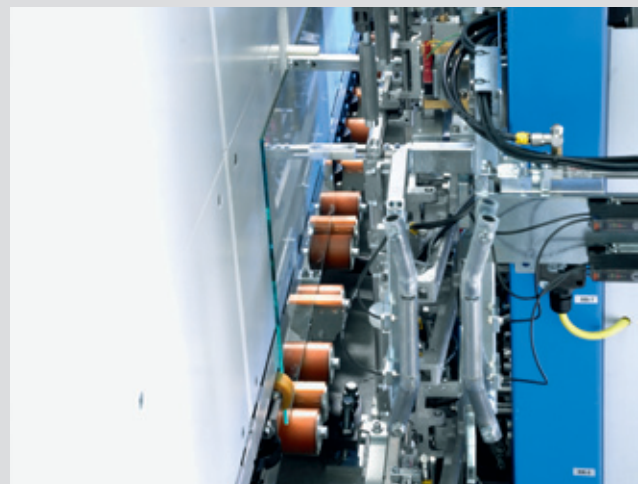
Continual precision rectangular spacer frame application – in any sequence for different frame dimensions, spacer widths and glass thicknesses.

framepositioner RAA

- Automatic feeding and precise butyl coated spacer frame application for squared and rectangular formats
- Accurate frame segment alignment via controlled gripper system
- Gentle and correct spacer frame positioning on glass plate, no butyl sealant damage
- Linear sagged spacer frame alignment
- Congruent frame position to accommodate triple insulating glass unit production
- Measuring device for automatic spacer and glass dimension comparison preventing application in case of irregularities
- Continuously high output, irrespective of different dimension processing

Options

- Adjustment device for different frame setback
- Additional equipment for automatic spacer frame application with muntin bars
- Installation in tandem version



TECHNICAL DATA

Working heights
Frame dimensions
Frame widths

FRAMEPOSITIONER RAA

1.60 m / 2.30 m (63.0 / 90.6 in.)
min. 280 x 350 mm (11.0 x 13.8 in.)
max. 2300 x 2500 mm (90.6 x 98.4 in.)
5 – 24 mm (0.20 – 0.94 in.)

