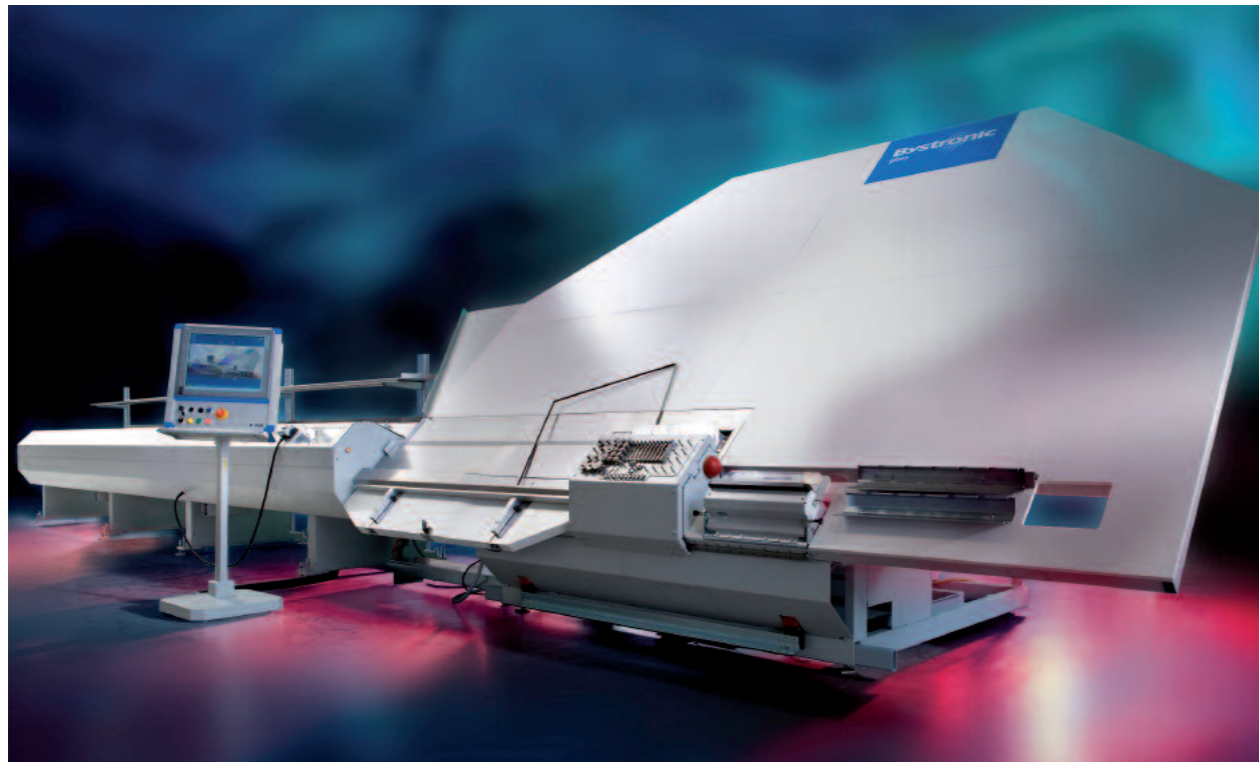


## Spacer-bending plants

Efficient spacer-bending plants for unfilled insulating glass spacer frames in a variety of materials

- ◆ Excellent bending quality thanks to specialized bending technology
- ◆ High accuracy of measurement due to precision-guided profile conveyor
- ◆ For operations with separate subsequent filling station
- ◆ Easy operator guidance via touchscreen display
- ◆ Increased flexibility due to its capacity to process shaped spacer frames (shape catalog optional)
- ◆ On-line data transfer with customer's Production Planning and Control system (optional)



# spacerbender ALU

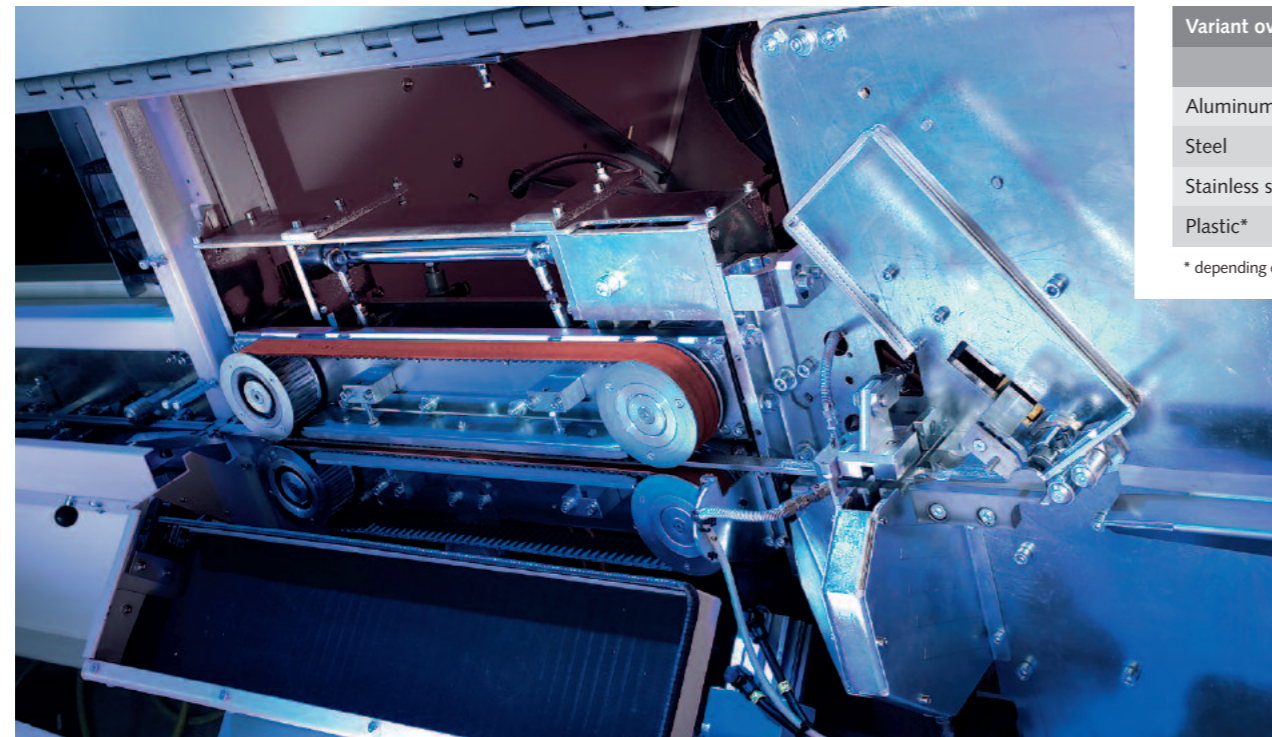
Basic spacer-bending robot designed specifically for spacers made of aluminum

- ◆ Efficient bending equipment for processing of unfilled aluminum profiles
- ◆ No tool change required for profile widths from 8 – 24 mm
- ◆ Processing of plastic profiles
- ◆ Optimization with simultaneous saw cutting and bending of fourth corner
- ◆ Storage for 2 bundles of spacer bars
- ◆ Material saving and work made easier due to endless connection of spacer bars
- ◆ Integrated assembly tool for finishing the last joint

## Options

- ◆ Rotation magazine for 8 profile widths or types with residual recovery
- ◆ Product labelling by ink jet printer
- ◆ Integrated drilling station for manual gas filling

Technical data	
Processable spacer widths	6 – 24 mm (0.24 – 0.94 in.)
Lengths of spacer bars	up to 6 m (236.2 in.)
Frame sizes	min. 80 x 260 mm (3.1 x 10.2 in.)
	max. 2000 x 2000 mm (one piece) (78.7 x 78.7 in.)
	max. 2200 x 4000 mm (two pieces) (86.6 x 157.5 in.)



Variant overview		
	ALU	COMBI
Aluminum	✓	✓
Steel		✓
Stainless steel		✓
Plastic*	✓	✓

\* depending on type of profile

# spacerbender COMBI

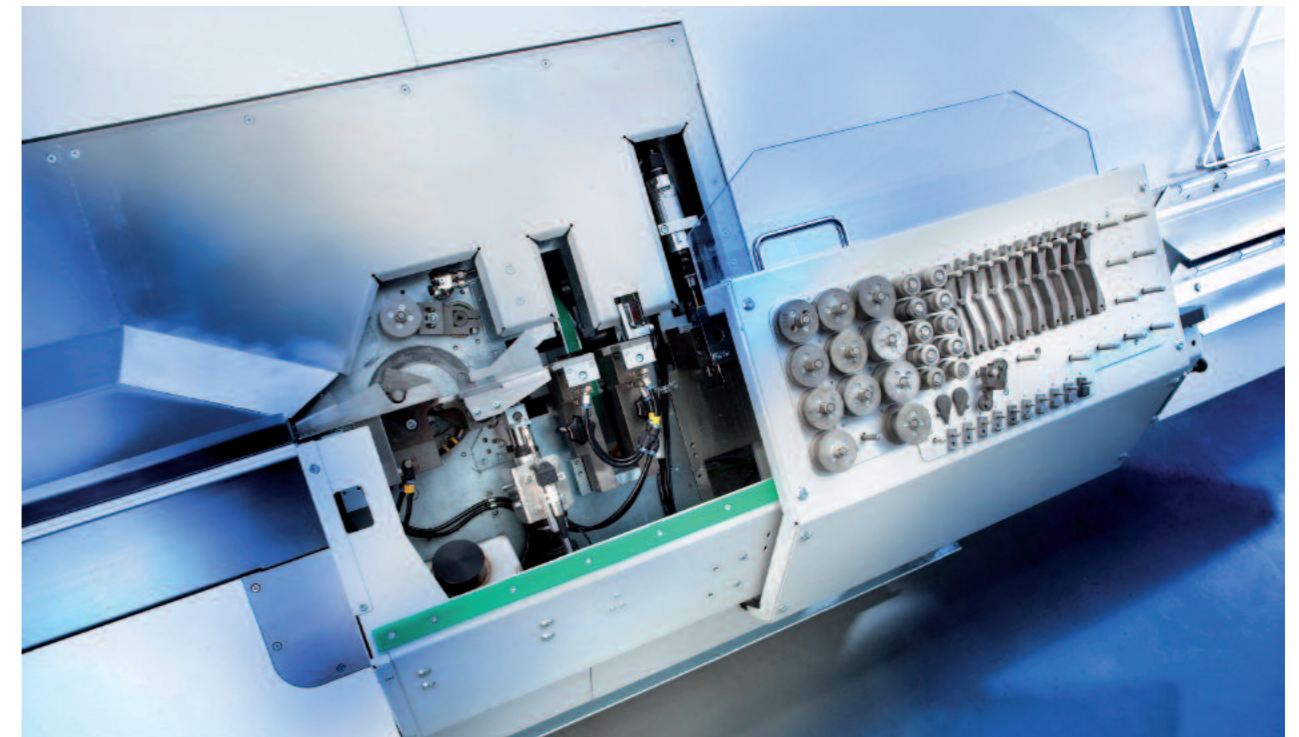
Combined spacer-bending robot designed specifically for warm-edge spacer systems

- ◆ Full flexibility with combined bending equipment for two-way alternate processing of various materials
- ◆ Particularly suitable for hollow plastic profiles as well as web profiles made of stainless steel
- ◆ Over-bending possible for all corners
- ◆ Tools for aluminum and various other plastic profiles independent of spacer width (SW)
- ◆ Direct access to the bending tool enables quick changeover
- ◆ Rotation magazine for eight profile widths or types with residual recovery
- ◆ Material saving and work made easier due to endless connection of spacer bars
- ◆ Integrated assembly tool for finishing the last joint
- ◆ Double-head profile saw for a variety of materials

## Options

- ◆ Product labelling by ink jet printer
- ◆ Integrated drilling station for manual gas filling

Technical data	
Processable spacer widths	6 – 24 mm (0.24 – 0.94 in.)
Lengths of spacer bars	up to 6 m (236.2 in.)
Frame sizes	min. 110 x 250 mm (4.3 x 9.8 in.)
	max. 2000 x 2000 mm (one piece) (78.7 x 78.7 in.)
	max. 2200 x 4000 mm (two pieces) (86.6 x 157.5 in.)



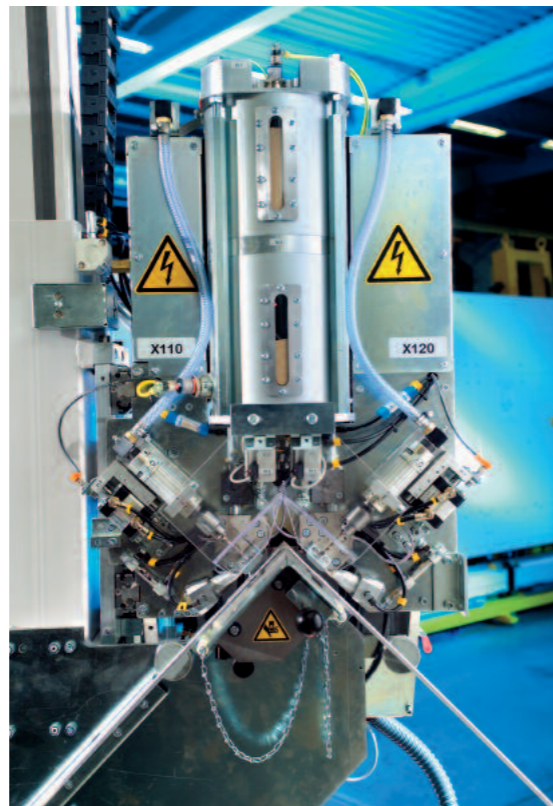
# desiccantfiller

## Desiccant filling station for subsequent filling

- Drilling, filling and sealing of two frame members simultaneous
- Sensor-controlled monitoring of the filling process guarantees an optimum filling degree
- Desiccant feeding by 200 litres big bags
- Removal of excessive desiccant grains by suction

- Automatic sealing of the filling holes with butyl
- Feeding unit can be infinitely adjusted pneumatically

Technical data	
Processable frame dimensions	min. 170 x 260 mm (6.7 x 10.2 in.)
	max. 2000 x 2000 mm (one piece) (78.7 x 78.7 in.)
	max. 3600 x 3700 mm (two pieces) (141.7 x 145.7 in.)
Processable spacer widths	6 – 24 mm (0.24 – 0.94 in)



# spacerbending