



Marval

SINCE 1985



INNOVATIVE **INSULATING GLASS** SOLUTIONS AND TECHNOLOGIES



AUTOMATIC PROFILE BENDER
TOP BEND



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The "TOP BEND" automatic profile bender expresses **the highest level of technology** requested today from worldwide markets for the manufacture of insulating glass frames. The perfect response to meet the needs of companies that want to stand out for their quality and flexibility.

The different configurations available are able to bend various types of spacers in straight or curved shapes.

Simple and compact, "TOP BEND" is ready to execute any operation required for this specific process, achieving considerable recognition for its performance and price-quality ratio.



Bend, curve, punch

[1]

The "TOP BEND" automatic profile bender is the perfect solution to:

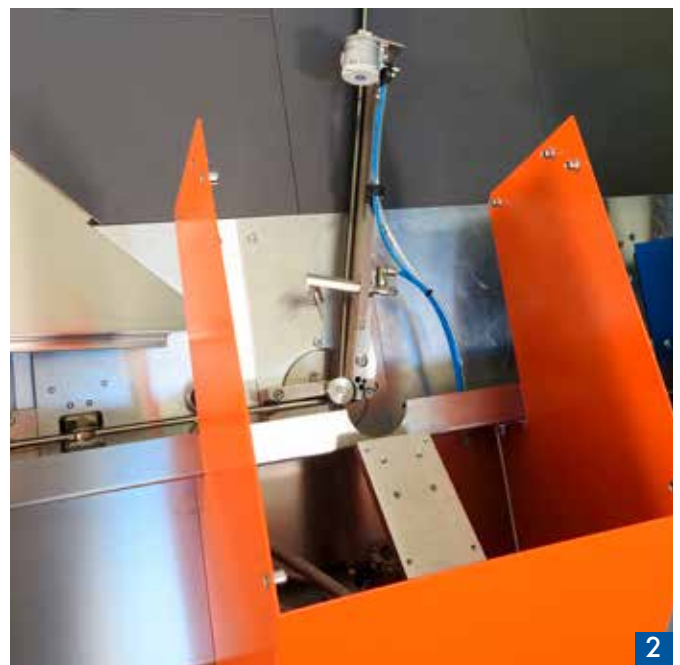
- bend and calender various types of spacers (even with warm edge);
- work with 6 to 30 mm widths.

The Marval profile bender also has a **magazine with seven positions** that can either be manual or motorised.

Bending unit

[2]

The new bending system, which has been entirely redesigned allows various types of materials and thicknesses to be processed without having to replace the **punch**. Bending arm movement is motorised for maximum precision even on complex shapes.



Calender unit

[3]

The calender unit, handled via a brushless motor, executes **any type of shape**, even complex ones. The machine independently moves the spacer, also via a brushless motor, based on the shapes to be formed.

Spacer joints

[4]

In order to prevent wasting material, the machine automatically **optimises the spacers**, joining several bars – if necessary – to create a single shape.

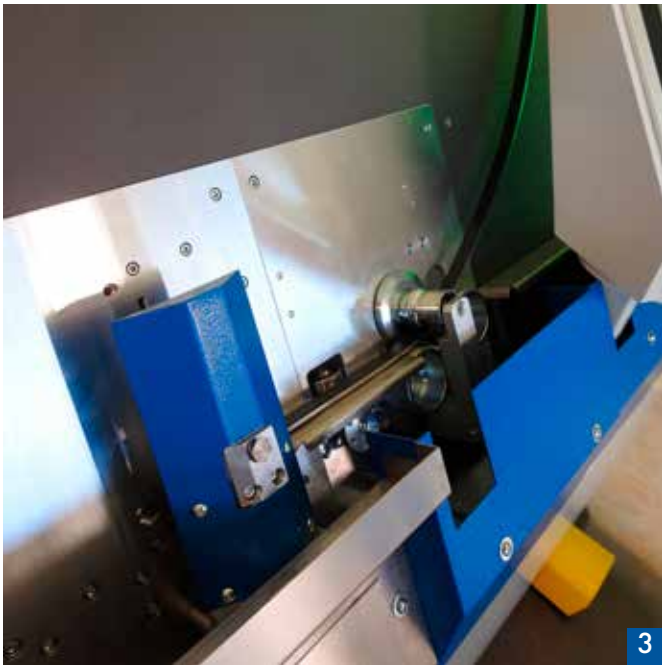
"TOP BEND" AUTOMATIC PROFILE BENDER

TECHNICAL DATA

Minimum bending dimensions	120mm x 120mm
Maximum bending dimensions	2,200mm x 2,000mm
Workable profile measurements	height 6.5mm
Workable profile thicknesses	6mm to 32mm
Installed power	4Kw
Standard Shapes and Forms that can be made (rectangles, trapezoids, etc.)	25
Usable materials	aluminium, steel, TGI "Warm Edge", etc.
Compressed air	6 bar - 1/2'
Automatic magazine	7 positions

OPTIONS:

	Bending unit for rods "SwisSpacer" profile bending device with incorporated heater
Profile bender central body (width x depth x height)	4,500mm x 1,650mm x 2,750mm
Profile bender magazine (width x depth x height)	6,200mm x 1,300mm x 1,700mm
Overall dimensions (width x depth x height)	11,000mm x 1,650mm x 2,750mm



3



4

Spacer magazine

[5]

The **automatic spacer magazine** consists of an aluminium frame with seven positions: each position can hold up to forty spacers, allowing there to be up to 280 spacers available at all times.



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Industrial initiative by

