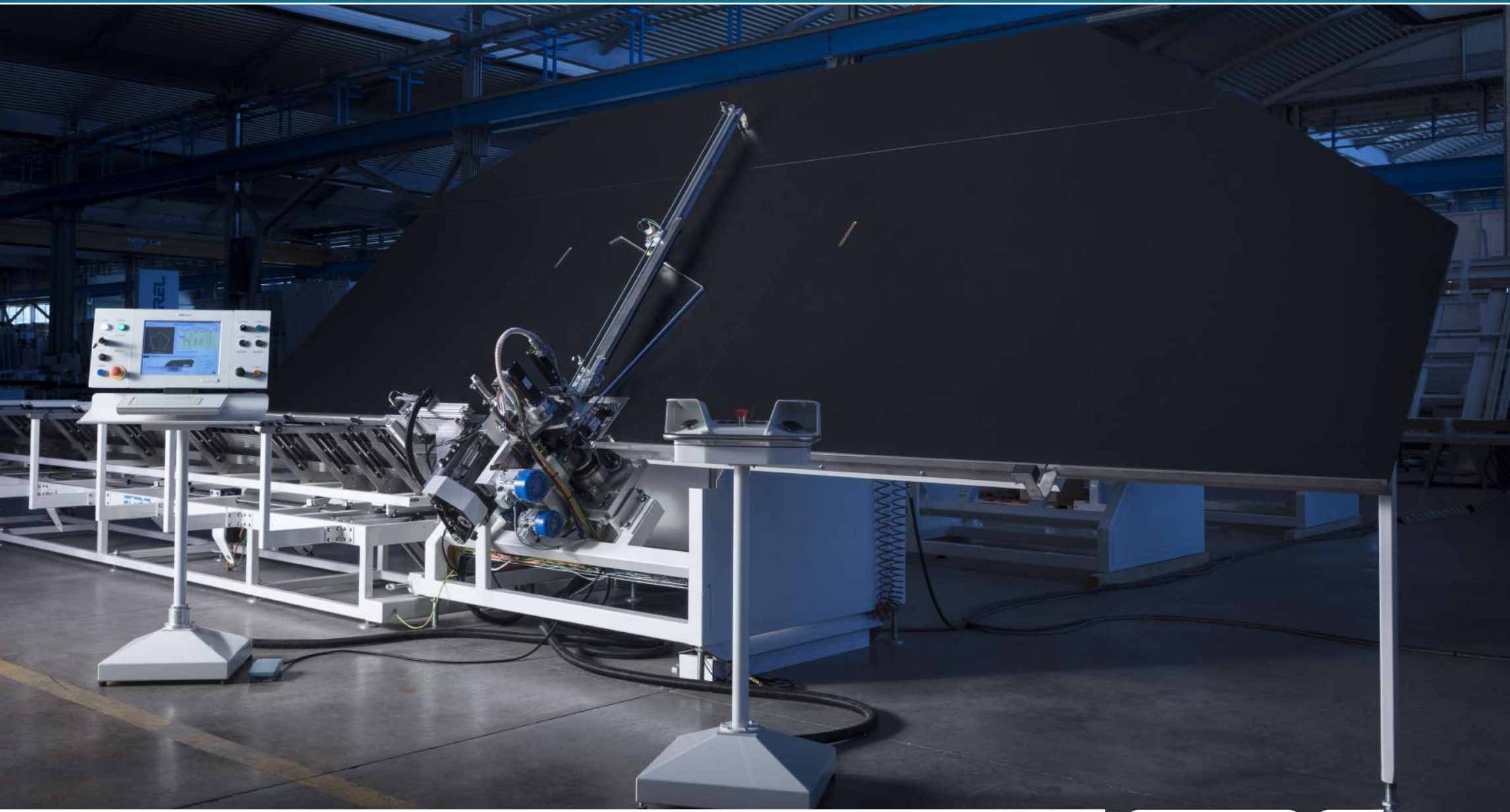




INSULATING  
GLASS

# SPACER PROCESSING



**FOREL**

## Art. PB - PROFILE BENDER

A strategic tool for any glazier company, the **Art. PB profile bender** is one of the world's highest performance solutions for preparing spacer frames for insulating glass units.

When it was launched on the market, the Profile Bender Machine Art. PB revolutionised the bending process for large frames. And it is still one of the most requested and acclaimed products of the Forel range.

The **Automatic Profile Bender, Art. PB**, can handle different types of spacer, perfectly calibrating each single bend with the aid of dedicated software.

The machine is equipped with a **12-place storage unit** that not only optimises spacer movements but can also be used to manage the trim cuts.

Its main feature is the patented "**Smart Arm**", a special automated arm which supports the profile throughout the bending process to prevent deformation or breakage, and making it possible to process even large format frames without difficulty.

A number of upgrades have been made to the machine over the years, to improve the performance of the machine and offer more processing options.

The last efforts of Forel R&D Dept. has been focused especially in **plastic profiles bending**. The result is a "2021 model" which boasts new solutions, systems and devices, and offers even more advanced performance than before.

The Profile Bender Art. PB is an high automated solution, but it can operate also in manual mode, if is necessary a step-by-step processing.

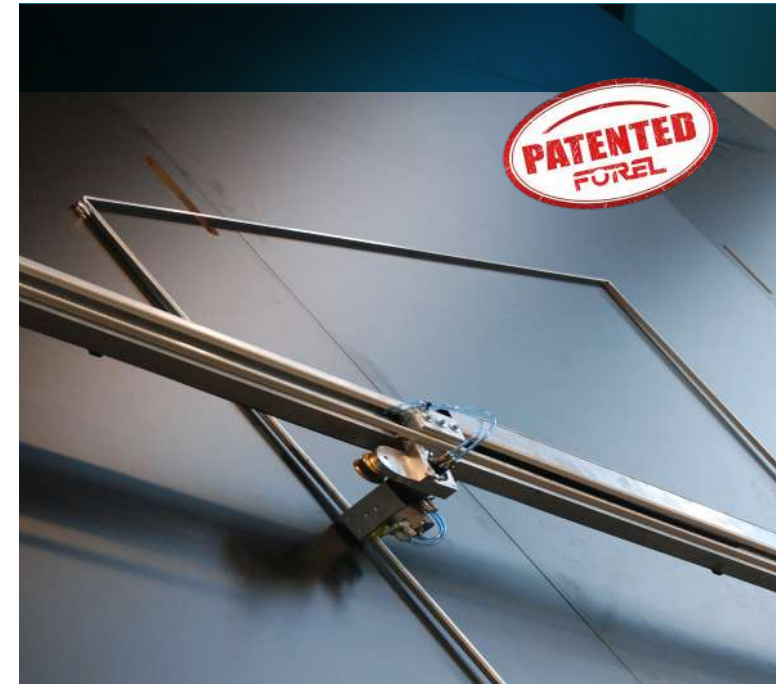


## BENDING SAFELY: THE SMART ARM

**Art. PB** is fitted with an exclusive device for avoiding the breakage or deformation of the frames, even when producing large spacers.

The special **Smart Arm**, an exclusive Forel patent, accompanies and supports the spacer to ensure optimum productivity without any risk for the product.

Smart Arm makes Art. PB the ideal solution for **bending Warm Edge spacers** - a type of frame increasingly requested by the market.

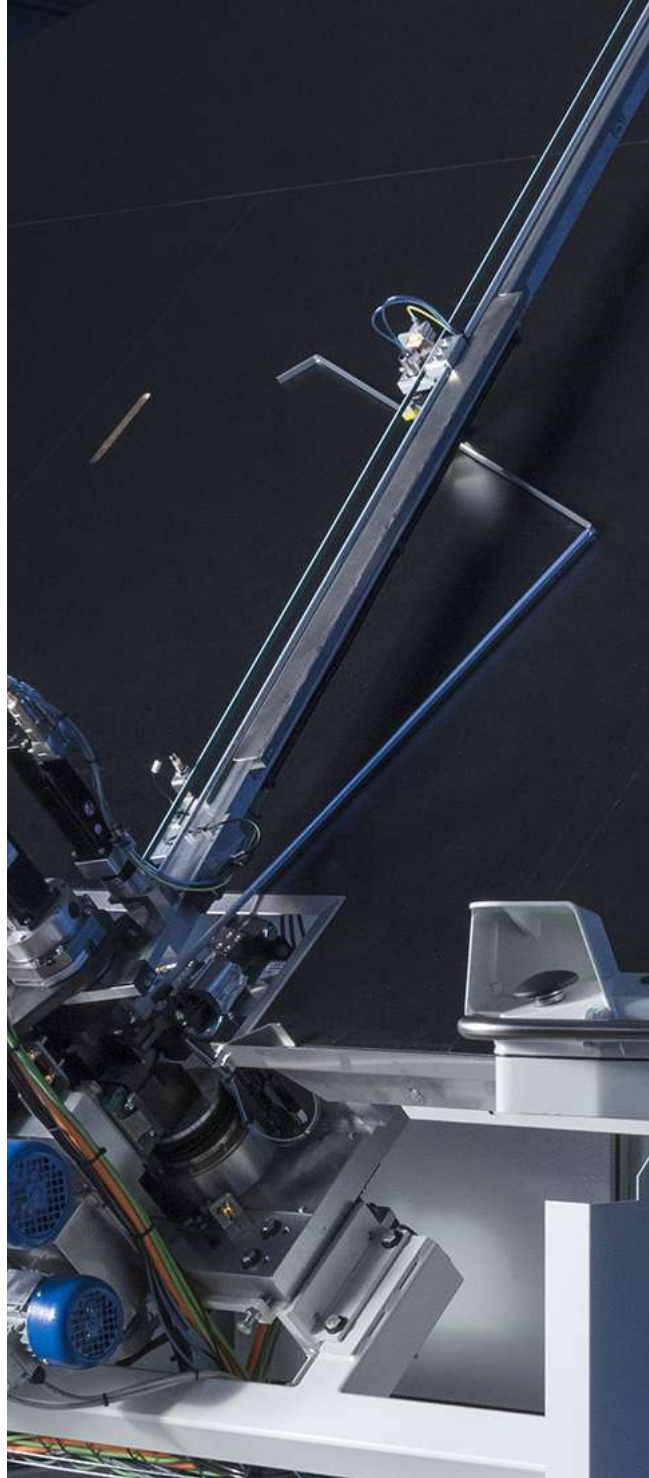


## CUTTING TOOLS

The solution cuts using a **special blade developed by Forel**, that ensures precise, clean processing but also offers a long lifespan. In addition, this blade guarantees excellent cutting results on every type of spacer (aluminium, plastic, etc.).

For ensure an high productivity, the machine has been equipped with the special **punch "quick change" system**: thanks to the new magnetic mounting, changing the tool takes just a few seconds.

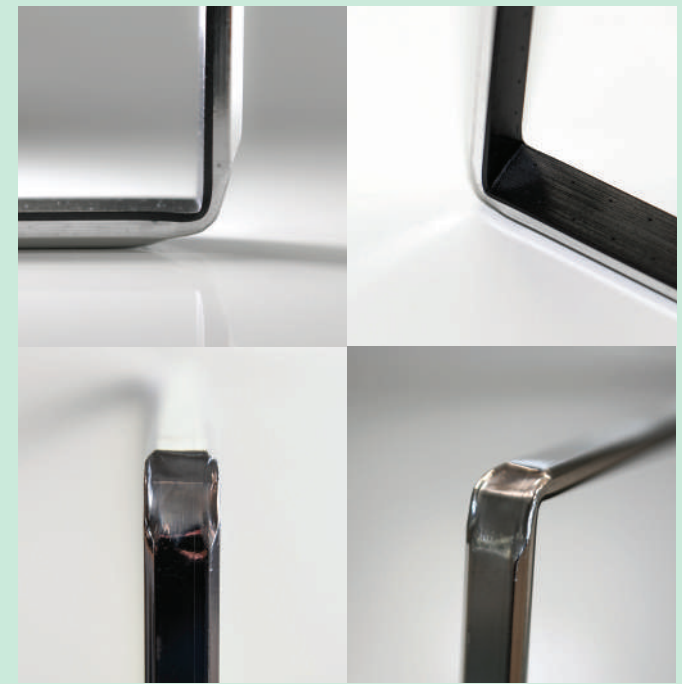
This upgrade lowers to the bare minimum the time required to switch from one profile type to another.



## THE NEW "PLASTIC PACK"

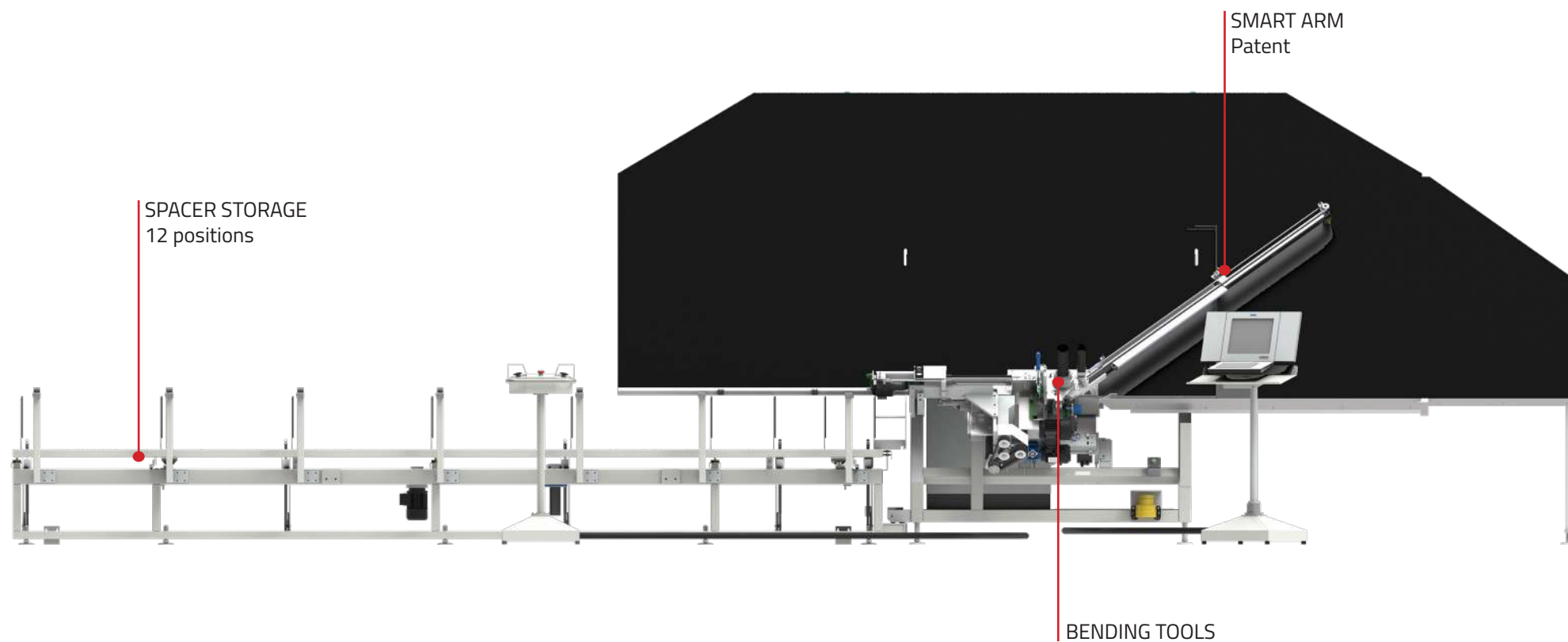
The recently introduced new "**plastic pack**" increases productivity and quality in the preparation of plastic frames. This update has introduced several advantages:

- Greater precision in the bend and shape;
- Increase in productivity / decrease of cycle time;
- 90 ° bend with "**Radiusless**" effect (a simply perfect 90° bend, in which the two sides of the spacer meet at a precise right angle with no "rounding off");
- Straight shapes in plastic frame.



# SPACER PROCESSING RANGE

## PROFILE BENDER MACHINE Art. PB



## MANUAL BUTYLER Art. MB



## DESICCANT FILLER Art. DF

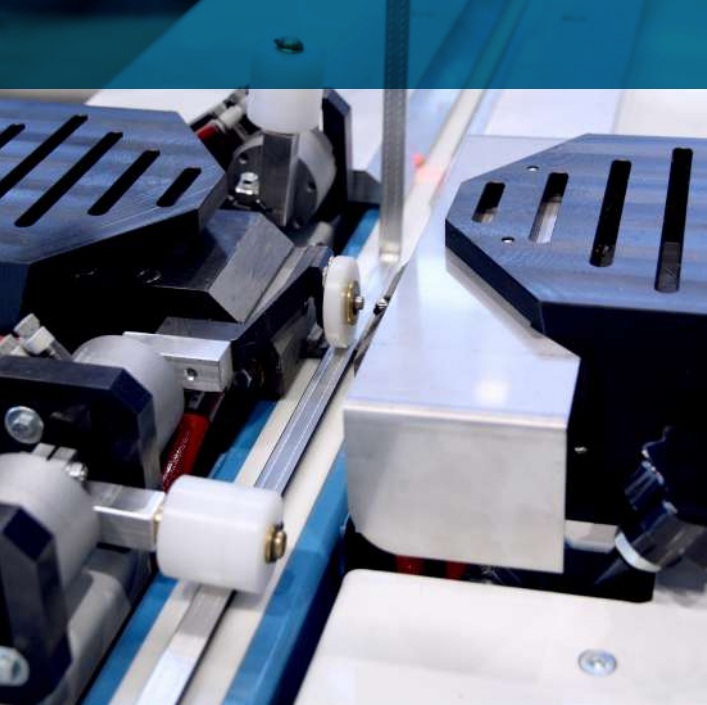


## Art. MB - MANUAL BUTYLER

To apply the butyl, Forel offers the **Manual Butyl Application Unit, Art. MB**, which has a touch screen command unit for pre-setting the amount of product to be supplied.

The quantity of butyl is distributed equally by two extrusion nozzles thanks to two separate batchers, ensuring a perfectly even result along the entire edge.

It can also process **shaped** or **Georgian bar** spacers.

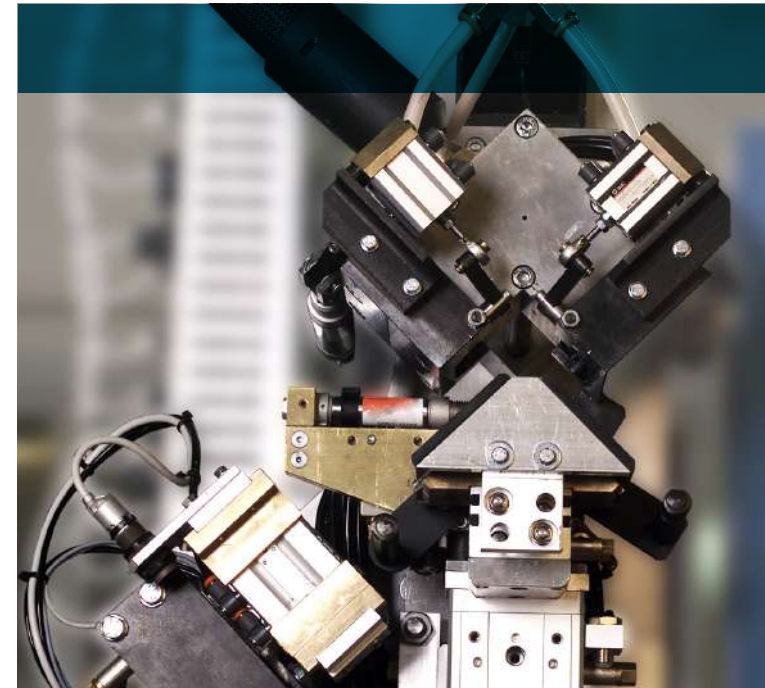


## Art. DF - DESICCANT FILLER

**The Spacer Processing range of Forel is completed by the Desiccant Filler Art. DF.**

Consisting of a turret holding a frame-pressing vice, and two special drilling and filling heads, this solution can process frames of any form, whether rectangular or shaped.

Art. DF can also be fitted with an automatic frame loading/unloading system; in this way, the desiccant loader can be automatically fed and the butyl application unit can be topped up immediately afterwards.





## SPACER PROCESSING RANGE

Family **INSULATING GLASS**  
 Type **PROFILE BENDER / DESICCANT LOADER / MANUAL BUTYL APPLICATION UNIT**

### Technical characteristics

<b>Automatic Profile Bender, Art. PB</b>	
Length (mm)	10,100
Height (mm)	2,770
Depth (mm)	2,950
Storage unit	12 places
Workable materials	aluminium, steel, plastic, synthetic/compound materials
Spacer thickness MIN - MAX (mm)	6 - 32
<b>Desiccant Filler, Art. DF</b>	
Spacer thickness MIN - MAX (mm)	6 - 32
Layer of butyl (kg)	2.5
Desiccant granulometry (mm)	0.5 - 0.8
<b>Manual Butyl Application Unit, Art. MB</b>	
Spacer thickness MIN - MAX (mm)	6 - 32
Layer of butyl (kg)	7.5