

SL6-TFF EVO



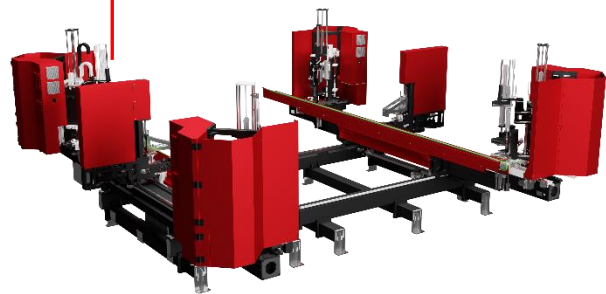
Welding Machine at 6 Head CNC

The first and only 6 CNC head welding machine in the world that **completely eliminates the welding curb from the corner** allowing you to obtain PVC windows with uniform quality and superior aesthetics.

Natural evolution of the 4-head *SL4-FF Evo*, thanks to the 2 extra heads allows to **weld simultaneously the 4 corners** of a Pvc framework complete **with 1 transom** (front welding) without the need for cleaning (Patented Seamless Welding) or subsequent retouching.

Unique machine of its kind, it performs perfect joints guaranteeing absolutely flat and homogeneous surfaces **also with profiles** that, instead of reinforcing metal, **have inside them non-weldable products such as fiberglass, aluminum or resin.**

Introduction



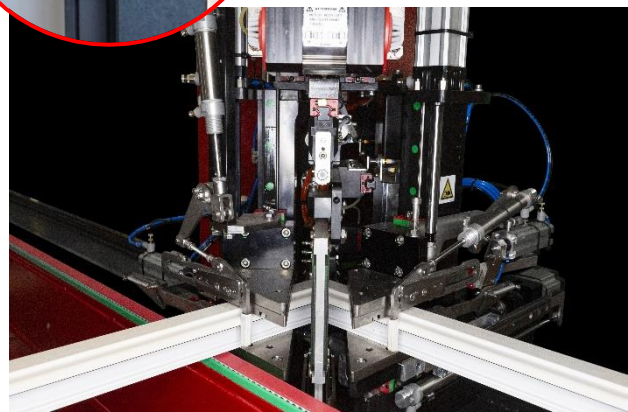
V-Perfect: *The Perfect Weld*

The basis of the project is the **V-Perfect technology**, a patent that allows you to work painted or coated Pvc profiles with films but also to combine them with **acrylic coatings** or real materials such as **laminates in wood or aluminum** and **without having to touch up with the marker anymore.**

5 Reason to choose SL6-TFF EVO

Every Material / Every Coating

- ✓ **Reduction of time and space:**
In a single cycle it **welds simultaneously the 4 angles at 45° and 1 transom in 90° mode.**
- ✓ **Cost reduction:**
After welding, there is no need to clean or touch up and therefore neither the cleaner nor the turntable is needed.
- ✓ **Labor reduction:**
Not having to finish the corners, only 1 operator is required to load the profiles.
- ✓ Allows to weld profiles coated with **any type of film or foil.**
- ✓ **Solves the problem of profile tolerances:**
A special automatic calibration system allows to compensate for them.



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Plant designed and built to automate a manual process, the *SL6-TFF EVO* ensures significant labor savings: those who have hitherto welded the switchboard and then mechanically fix the transom, thanks to it, **can mechanize the process** by creating a single cycle both the welding of the 4 angles at 45° and that of 1 transom in 90° mode.

All the necessary operations are therefore carried out automatically, **milling** with the *High Speed* system, **positioning at the operating levels, cyclical casting, compression and cooling** and, at the end of the process, release the finished profiles.

Specifications

Dimensions

Length	6.000 mm
Width	5.600 mm
Height	2.200 mm
Weight	5.300 Kg

Details

Power	20 kW
Power supply	400 V
Air Consumption per cycle	200 NI/min
Operating Pressure	7 bar

Operating Features

Composition

Structure

6 Heads Quad.

Operators

1

Machining

Contemporary welding of the 4 corners with 1 transom.
C-welding.
Gasket worked directly during the welding cycle.

Technical Features

Performance

Up to 1 square/140 seconds*

* Depending on the types of profiles, weld bead and loading speed.

Weldable Profiles Dimensions

Maximum	3.200 x 4.000 mm
Minimum*	370 x 400 mm

* Depending on the profiles used.

Weldable Sash/Frame Dimensions

Height	58 ÷ 180 mm
Width	40 ÷ 130 mm

Weldable Transoms Dimensions

Height	58 ÷ 100 mm
Width	50 ÷ 130 mm

Optional

Upon request the machine can be equipped with:

Increased cooling table for sizes 3628, 4028, 4528, 5028.
Y axis increase 4.000 mm.

Additional welding heads.*

Note: You can add 2 heads to weld 2 cross beams.