

# SL8-TFF EVO



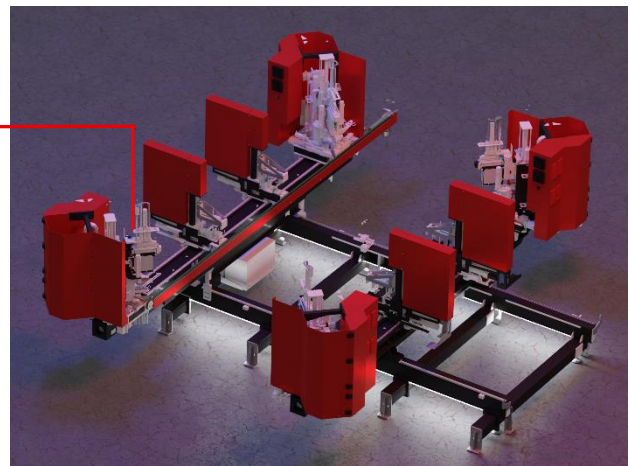
## Welding Machine at 8 Head CNC

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 2 transoms** (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



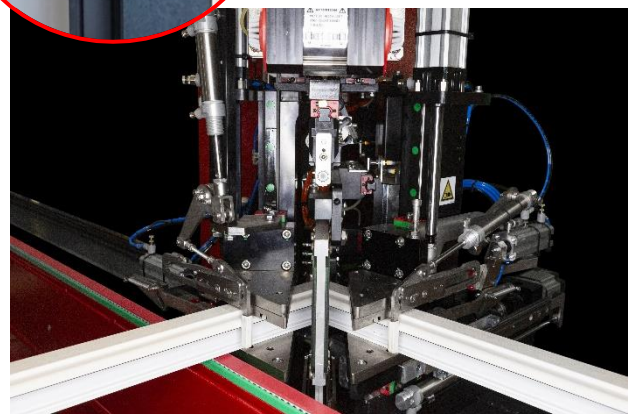
### V-Perfect: The Perfect Weld

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 SL8-TFF EVO

#### Every Material / Every Coating

- ✓ **Reduction of time and space:**  
In a single cycle it **welds simultaneously the 4 angles at 45° and 2 transoms in 90° mode.**
- ✓ **Cost reduction:**  
After welding, there is no need to clean or touch up and therefore neither the cleaner nor the turntable are 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.



Plant designed and built to automate a manual process, the *SL8-TFF EVO* ensures significant labor savings: those who have hitherto welded the switchboard and then mechanically fix the transoms, thanks to it, **can mechanize the process** by creating a single cycle both the welding of the 4 angles at 45° and that of 2 transoms 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	5.600 Kg

### Details

Power	25 kW
Power supply	400 V
Air Consumption per cycle	225 NI/min
Operating Pressure	7 bar

## Operating Features

### Composition

#### Structure

8 Heads Quad.

#### Operators

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#### Machining

Contemporary welding of the 4 corners with 2 transoms.  
C-welding.  
Gasket worked directly during the welding cycle.

## Technical Features

### Performance

Up to 1 frame/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.