

Welding Machine at 8 Head CNC

The first and only 8 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 4 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.

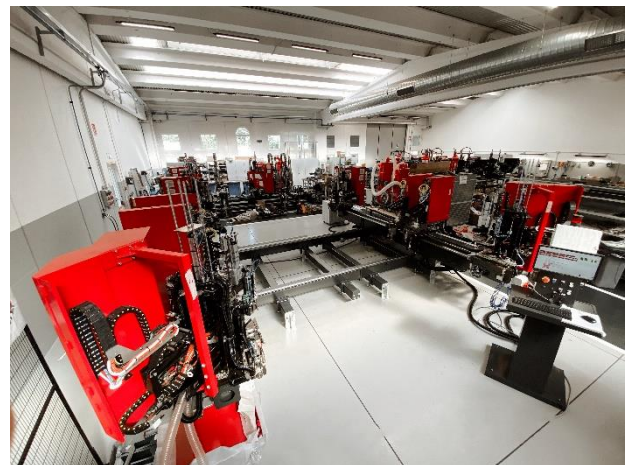
Unique machine of its kind, it performs perfect joints guaranteeing absolutely flat and homogeneous surfaces **also with profiles** that, instead of reinforcing metal, **have inside them non-weldable products such as fiberglass, aluminium or resin**. It is also possible to weld the thresholds.

Introduction

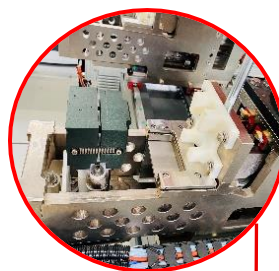


V-Perfect: The Perfect Weld

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**.

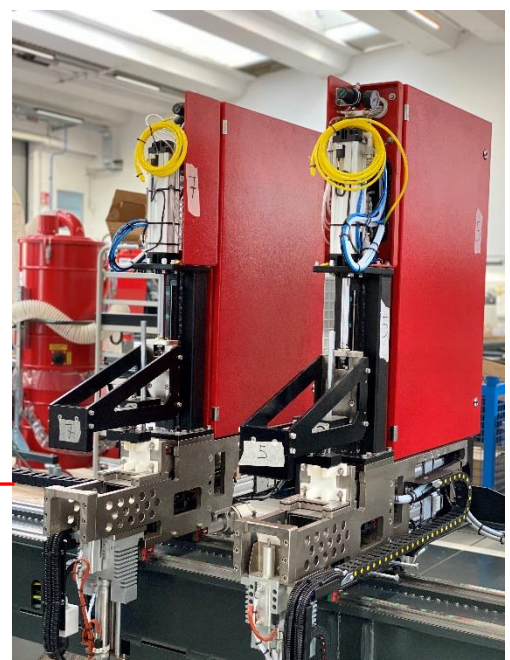


5 reasons to choose SL8FF TR RS



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:**
Due to the special automatic calibration system.



Plant designed and built to automate a manual process, the *SL8FF TR* 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	7.000-9.500 mm
Width	6.000-7.000 mm
Height	2.200 mm
Weight*	5.500-8000 Kg

*Depending on the size of the machine, which is determined by the maximum weldable frame

Details

Power	22 kW
Power supply	400 V
Air Consumption per cycle	800 NI/min
Operating Pressure	7 bar

Operating Features

Composition

Structure

8 Heads Quad.

Operators

1

Machining

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

Technical Features

Performance

Up to 1 frame / 140 seconds*

* Depends on type of profiles, gaskets, shape and welding seam.

Weldable Profiles Dimensions

Maximum **	3200 X 2800mm
Minimum*	350 x 580 mm

* Depending on the profiles used.

** Varies depending on configuration – maximum size 6000 x 4000

Weldable Sash/Frame Dimensions

Height	35 ÷ 180 mm
Width	40 ÷ 130 mm

Weldable Transoms Dimensions

Height	60 ÷ 100 mm
Width	50 ÷ 120 mm

Optional

Upon request the machine can be equipped with:

Increased cooling table for sizes 3628, 4028, 4528, 5028.

RS – Rapid Speed Option

Possibility to process “**dormant large**” profiles for the French market

TAG Option on countershims (excluding central heads)