

SL6FF TR

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, aluminium or resin**. It is also possible to weld the thresholds.

Introduction

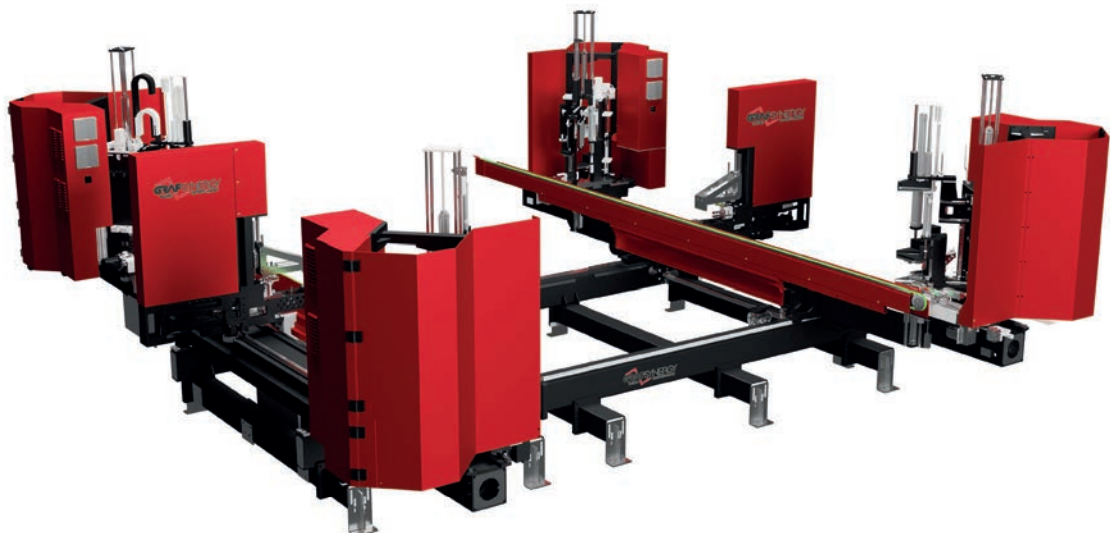
V-Perfect: The Perfect Weld

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 SL6FF TR Every Material / Every Coating

1. **Reduction of time and space:** in a single cycle it welds simultaneously the 4 angles at 45° and 1 transom in 90° mode.
2. **Cost reduction:** after welding, there is no need to clean or touch up and therefore neither the cleaner nor the turntable is needed.
3. **Labor reduction:** not having to finish the corners, only 1 operator is required to load the profiles.
4. Allows to weld profiles coated with any type of film or foil.
5. **Helps to solve the problem of profile tolerances:** due to the special automatic calibration system.



Plant designed and built to automate a manual process, the SL6FF TR 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.

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

Operating Features

Composition

Structure

6 Heads Quad.

Operators n.1

Machining

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

Technical Features

Performance

Up to 1 square / 140 seconds*

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

Weldable Profiles Dimensions

Maximum	4.000 x 6.000 mm
Minimum*	350 x 435 mm

* Depending on the profiles used.

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.

Additional welding heads.

It is possible to add 2 heads to weld 2 Transoms