

SL4-FS

CNC 4-head welding machine

Extremely fast CNC 4-head 7-axis welding machine that ensures the windows manufacturer with **constant operating quality over time and an increase in production of up to 50%**.

Designed for **horizontal and simultaneous welding of the 4 corners of a PVC frame**, it is a solid system, equipped with a reinforced structure that makes it a stable and reliable device over time.

Introduction

Quality Constant over time

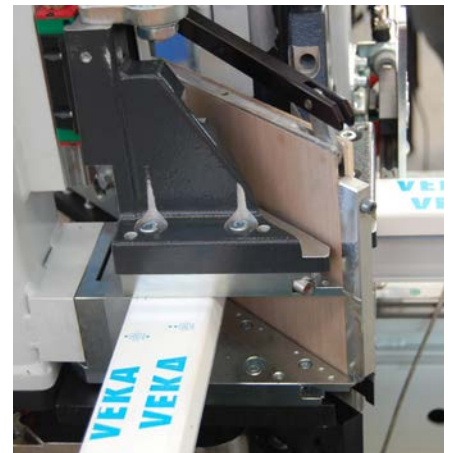
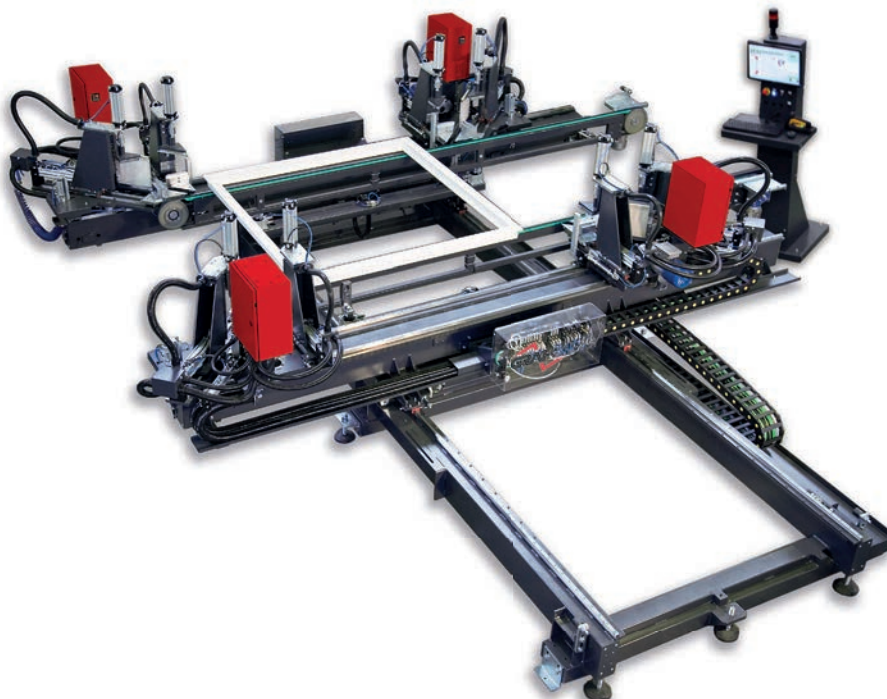
It automatically performs all the necessary operations, **positioning at the welding positions, cyclical fusion, compression and cooling** and, at the end of the process, it releases the frame on conveyor belts towards the cleaning area.



5 reasons to choose SL4-FS

Advanced solutions

1. **High speed welding cycle:** production increase up to 50% thanks to the controlled axes.
2. **Automatic change system of welding beam** (0.2÷2 mm).
3. **Quick-change system of the countershims.**
4. **Parallel welding with correction of deviations** on all 4 corners.
5. **Electronic temperature control** combined with the profile code.



The accuracy of the positioning of the welding heads is ensured by a modern **digital measuring device with magnetic reading system** obtained thanks to a very precise axis movement carried out by means of movements on linear guides and racks.

The **software**, created by the technicians of the Graf Synergy R&D laboratory, is extremely **intuitive and offers simple menus**, which present all the information necessary for a correct configuration of the welding parameters (distances, temperatures, optional weld beads, etc ...) and the bar code reading.

Specifications

Dimensions

Length	5.250 mm
Width	2.200 mm
Height	1.650 mm
Weight	3.000 Kg

Details

Installed Power	16 Kw
Power Supply	400 V
Air Consumption	100 NI/min
Operating Pressure	7 bar

Operating Features

Composition

Structure

4 CNC heads Quad.

Machining

Horizontal and simultaneous welding of the 4 corners.
C-welding.

Operators n. 1

Technical Features

Performance

Up to 480* Frames / 8h
*Depending on the types of profiles, weld bead and loading speed.

Weldable Frame Dimensions

Maximum	3.200 x 2.800 mm
Minimum	370 x 400 mm

Weldable Profile Dimensions

Height	40 ÷ 180 mm
Width	40 ÷ 130 mm

Optional

Upon request the machine can be equipped with:

Welding on 3 sides.

Welding on 3 sides with supports for threshold assembly.

Connection in line with Graf Synergy corner cleaning machines.

Axis brushless motors.

Energy Saver option.

Cooling table.