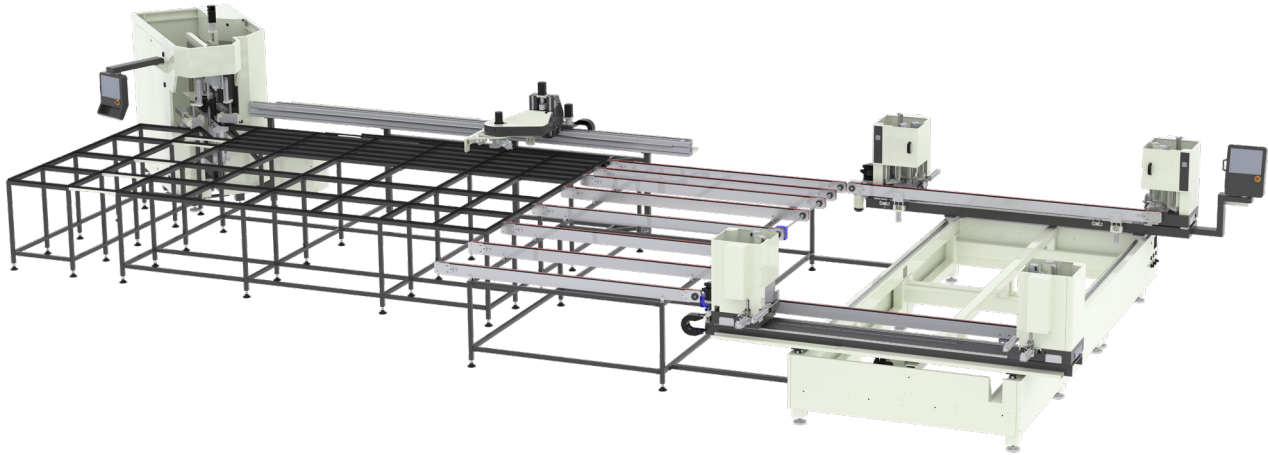
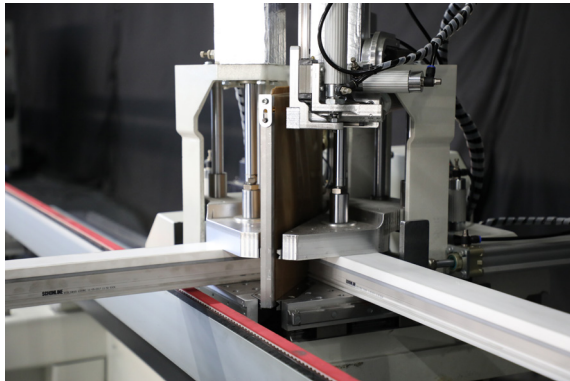


# SIRIUS

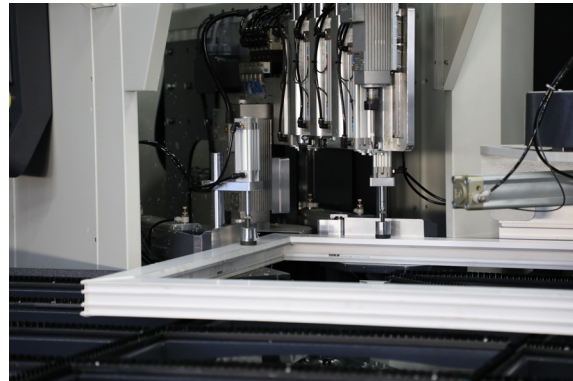
Automatic PVC Welding and Cleaning Line



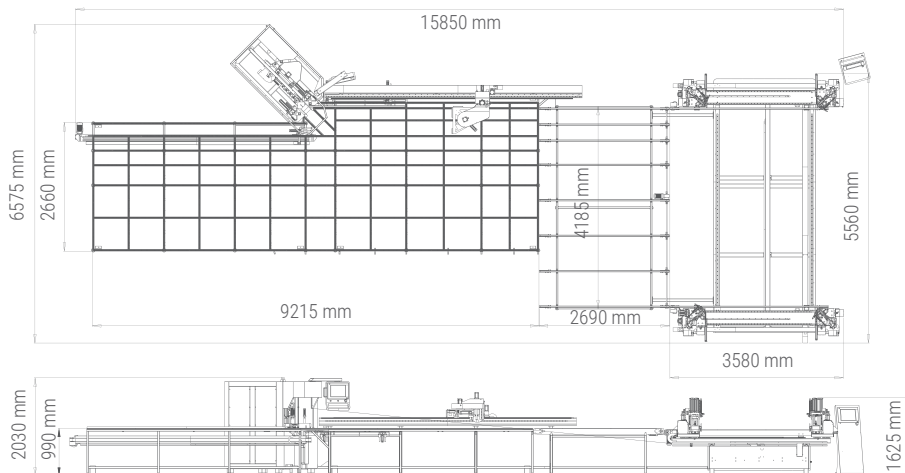
**SIRIUS** which is the line of Automatic PVC welding and edge cleaning has been developed for cleaning processes occurring in profile after welding and welding at the same time of four edges of plastic profiles. With automatic frame unloading unit, fast transfer to cleaning unit of profile with robot system and with the system of automatic profile rotating, **SIRIUS** gains time substantially while decreasing workload on user in welding and cleaning processes.



Through its electronic thermostat heat adjustment between 0°C - 350°C, welding time adjustment and digital controlled heat, quadruple welding unit provides scattering homogenised to plaque of heat.



Through profile recognizing system, 11 pieces of profile cleaning blade and two independent cleaning unit, cleaning bottom, top, interior and external surfaces of the profile.



## WELDING UNIT FRAME DIMENSIONS

Min. Frame Dimensions	350 mm x 400 mm
Max. Frame Dimensions	2540 mm x 4000 mm

## WELDING RANGE

Welding burr size	0.2 mm
-------------------	--------

## CLEANING UNIT PROFILE DIMENSIONS

Min. Profile Height	30 mm
Max. Profile Height	200 mm
Min. Profile Width	30 mm
Max. Profile Width	150 mm

## CUTTER UNITS

Saw blade diameter	300 mm
Saw blade motor power	1.5 kW
Saw blade motor r.p.m.	6000 r.p.m.
Saw blade thickness	3.2 mm
Milling Cutter Motor power (x2)	1.1 kW
Milling Cutter Motor r.p.m.	18.000 r.p.m.
Milling Cutter Diameter	8 mm
Milling Cutter Length	120 mm
Profile external cleaning saw blade	•
Cleaning blades	•
Cutters	•

## PROCESSABLE UNITS

With cutter (External profile)	1
With 3 top and 3 bottom blades (Upper and lower surfaces and inner profile)	3
With 1 top and 1 bottom blade (Upper and lower surfaces)	2

## AIR

Pressure	6-8 Bar
----------	---------

## ELECTRICAL

Max. Power	20.85 kW
Voltage	400V 3N PE AC
Frequency	50 - 60 Hz

## OPERATIONAL AREA

Conveyor	•
Barcode reader	•
Teflon (4 pcs)	•
Welding mold (4 pcs)	•
Gasket pressing system	○
Automatic profile rotation system	•
Profile holding and cooling unit	•
Profile external cleaning saw blade	•
Cleaning blades	•
Data transfer over remote network connection, Ethernet and USB	•

- Standard    ○ Optional