PRODUCT WEB LINK

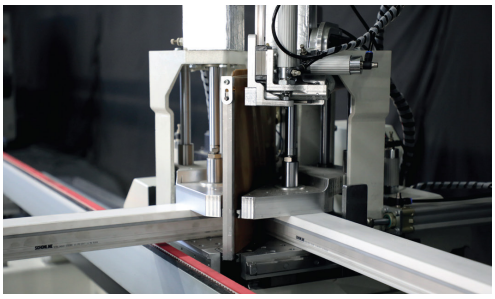
SIRIUS

Automatic PVC Welding and Cleaning Line

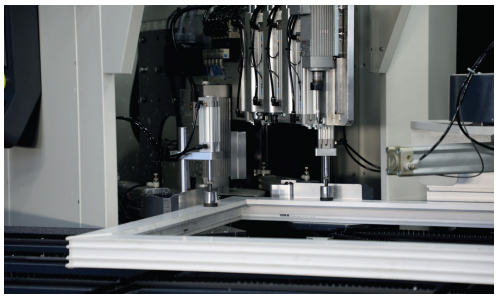
YouTube

WEB

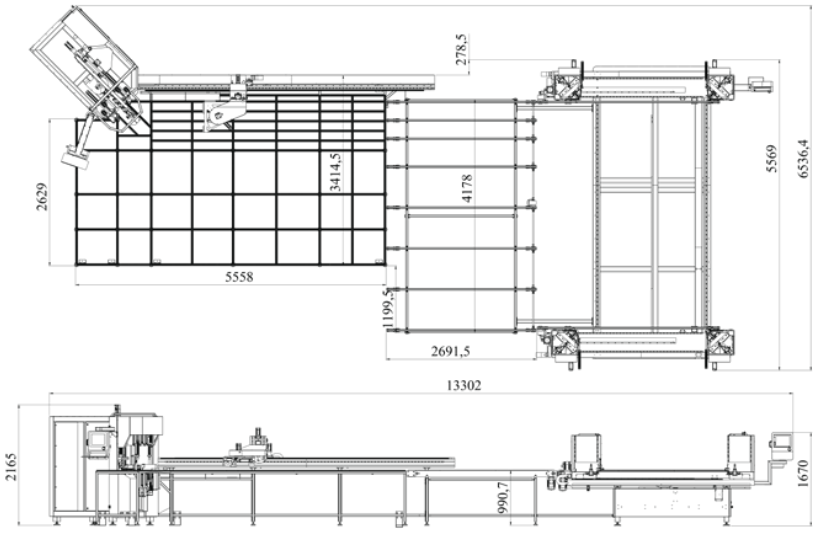
SIRIUS which is the line of Automatic PVC welding and edge cleaning has been developed for cleaning processes occuring in profile after welding and welding at the same time of four edges of plastic profiles. With automatic frame unloading unit, fast transfer to cleaning unit of profile with robot system 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.



11 pieces of profile cleaning blade and two independed cleaning unit, cleaning bottom, top, interior and external surfaces of the profile.



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SIRIUS

Automatic PVC Welding and Cleaning Line

WELDING UNIT FRAME DIMENSIONS	
Min. Frame Dimensions	350 mm x 410 mm
Max. Frame Dimensions	2650 mm x 4110 mm
WELDING AND CLEANING UNIT PROFILE DIMENSIONS	
Min. profile height	40 mm
Max. rofile height	200 mm
Min. profile width	30 mm
Max. profil width	150 mm
WELDING RANGE	
Welding burr size	0.2 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	12.000 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 surface)	1
With 3 top and 3 bottom blade (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	
Profile support unit	●
Barcode reader	●
Teflon (4 pcs)	●
Custom mold	○
Gasket pressing system Min. Frame Dimensions (Gasket pressing system (with mold)- 480 mm X 480 mm)	○
Automatic profile rotation system	●
Profile holding and cooling unit	●
Profile external cleaning saw blade	●
Cleaning blades	●
Profile Control System	●
Profile Height and Width Measuring Sensor	●

● Standard ○ Opsiyonal

Özçelik Makina continuously improves its products and offers new and modern solutions for PVC and Aluminum Profile Processing. Accordingly, Özçelik reserves the right to change the information in this document without notice. All dimensions and weights are reference values. Valid from January 2025