



SIRIUS Plus

Automatic PVC Welding and Cleaning Line



PRODUCT WEB LINK



WEB

SIRIUS Plus is an automatic PVC welding and corner cleaning line developed to weld all four corners of plastic profiles simultaneously and to remove the welding burrs formed on the profiles after the welding process. With its automatic frame unloading unit, robotic system for fast transfer of the profile to the cleaning unit, and automatic profile rotation system, SIRIUS PLUS significantly reduces the operator's workload while providing substantial time savings throughout the welding and cleaning processes.

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Automatic PVC Welding and Cleaning Line



WELDING UNIT FRAME DIMENSIONS

Min. Frame Dimensions	360 mm x 400 mm
Max. Frame Dimensions	2200 mm x 3000 mm

WELDING AND CLEANING UNIT PROFILE DIMENSIONS

Min. profile height	20 mm
Max. rofile height	140 mm
Min. profile width	? mm
Max. profil width	120 mm

WELDING RANGE

Welding burr size	0.2 mm
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CUTTER UNITS

Saw blade diameter	230 mm
Saw blade motor power	2.5 kW
Saw blade motor r.p.m.	3000 r.p.m.
Saw blade thickness	4 mm
Milling Cutter Motor power (x2)	0.75 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
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ELECTRICAL

Max. Power	* kW
Voltage	400 V 3N PE AC
Frequency	50 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	●

● Standard ○ Opsiyonal

* Please inquire about the marked areas.

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.