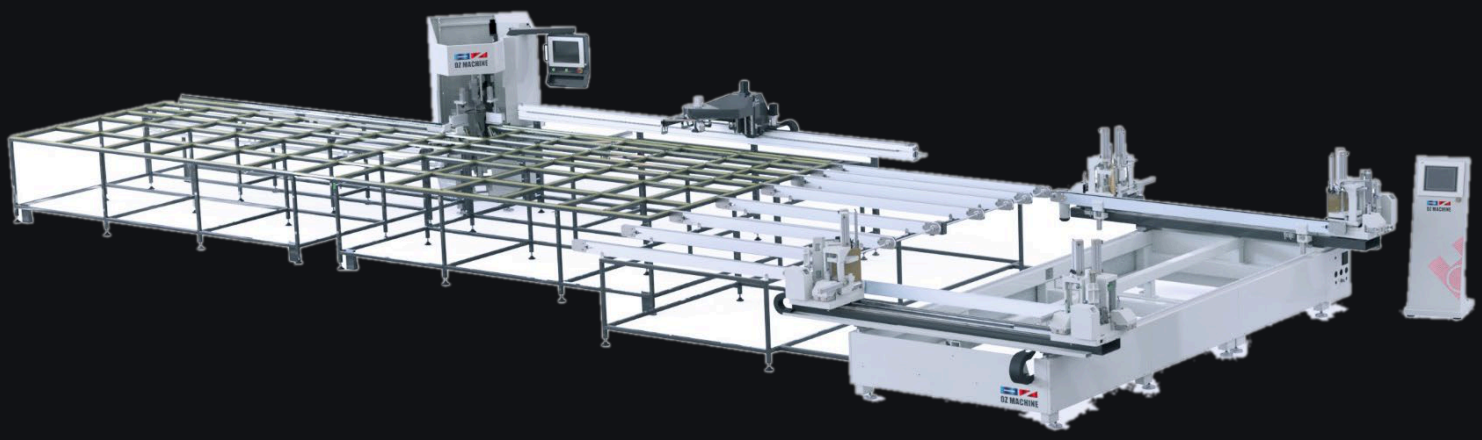
OZ MACHINE USA

SIRIUS

Automatic Four Head Welding and Cleaning Line (3 Axis)



Welding and cleaning in one line: four heads weld the frame, a robot transfers it to the cleaning unit, and two independent units clean the top, bottom, inner and outer surfaces while the next frame is welded.

4 heads	**11** blades	**1,000** profiles	**104 × 162"**
Welding unit	Automatic cleaning	Program memory	Max. frame size

KEY FEATURES

- + Welder and cleaner talk to each other in real time
- + Profile cooling station
- + Touchscreen with profile recognition
- + Automatic profile rotation and frame output
- + Separate blades for white and colored profiles
- + 12" external cleaning saw

WATCH IT RUN
SIRIUS video on the Oz Machine USA YouTube channel
youtu.be/t6geS_cMOuY

Power	Air	Voltage
20.85 kW	6.3 CFM · 100 psi	220V 3P, 60 Hz

TECHNICAL DATA

SIRIUS

Automatic Four Head Welding and Cleaning Line (3 Axis)

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FRAME DIMENSIONS (WELDING AND CLEANING)

Minimum frame size	13.8" x 15.7" (350 x 400 mm)
Maximum frame size	104" x 162" (2640 x 4115 mm)

PROFILE DIMENSIONS

Profile height, min. / max.	1.2" / 7.9" (30 / 200 mm)
Profile width, min. / max.	1.2" / 5.9" (30 / 150 mm)

WELDING UNIT

Welding heads	4
Welding seam	0.016" (0.4 mm) or 5/64" (2 mm)
Maximum plate temperature	660 °F, electronic thermostat
Digital welding time and heating control	●
Quick Teflon replacement	●
Profile holding and cooling unit	●

CLEANING UNIT

External cleaning saw blade	12", 1/8" (3.2 mm) thick
Saw spindle	1.5 kW, 6,000 rpm
Router spindles (2)	1.1 kW, 12,000 rpm
Router bit	5/16" (8 mm), 4.7" (120 mm) long
Automatic cleaning blades	11
Separate blades for white and colored profiles	●

LINE AND CONTROL

Robotic transfer from welder to cleaner	●
Automatic profile rotation and frame output	●
Real-time communication of both machines	●
Touchscreen, profile recognition	●
Program memory	1,000 profiles
Manual (hand wheel) and automatic operation	●
Cycle time on screen	●
Data transfer via network, Ethernet and USB	●
Safety barrier	●
Conveyor	●

OPTIONAL EQUIPMENT

Special mold	○
Barcode reader	○
Gasket pressing system	○
Automatic bearing lubrication	○

AIR & ELECTRICAL

Power	20.85 kW
Voltage	220V 3P, 60 Hz
Air pressure	100 psi
Air consumption	6.3 CFM

● Standard ○ Optional

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Product data, descriptions and illustrations may change without prior notice.