



Description

The SA 3124 OC is a semi-automatic laminator designed and built for dry film photoresist, hot pressure lamination of PCBs and chemical milling parts.

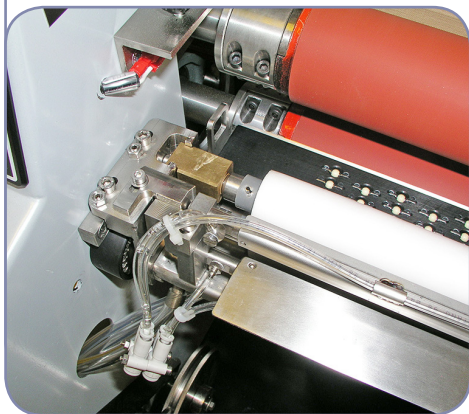
This unit is capable to handle very thin panels up to 6,4 mm. The machine can be used also for cold application of DFSM on PCBs, before the final process in the Dynachem Vacuum Laminators. In addition, two knobs with a graduated scale installed on the upper side of the unit can adjust the "off contact" of the lamination rolls.



Dry film alignment device



Wet lamination module (option)



Advantages

- Suitable for innerlayer or rigid panels-full range from 0,025÷6,4 mm (0.001÷0.250 in.) thickness
- Operator interface in various languages by touch screen display
- Anti-static system
- Lateral cutting device with motor (option)
- "soft contact" manual/electronic centering device
- An electromagnetic clutch minimize the film waste between the PCBs during cold application
- The unit is provided with motor driven input rollers and is suitable for in-line operation
- Powerful vapour exhaust system
- Fine alignment device
- Accept 300 meter (1,000 ft.) rolls of dry film
- Provided with 3 or 6 in. adapters
- Panel sizes up to 610 mm (24 in.) wide
- Completely controlled by PLC
- Dry film alignment device
- Knobs with a graduate scale for Off Contact (option)
- Wet lamination module (option)

General Specifications

Overall Dimensions

Width	1090 mm (42.9 in.)
Length	1220 mm (48.0 in.)
Height (min.÷max.)	1623÷1703 mm (63.9÷67.0 in.)

Electrical Requirements

Power Type	Single phase; 50/60 Hz + Ground
Power Consumption	2.6 KVA
Nominal Voltage	230V

Compressed Air

Consumption	2 NI/cycle (0.07 cfm)
Working Pressure	3÷6 kg/cm ² (42.7÷85.3 psi)

Exhaust

250 m³/hour - diameter 100mm

Weight

Gross	350 kg (727 lbs.)
Net	240 kg (529 lbs.)

Water (only for "Wet lamination" optional)

Water pressure	1÷3 kg/cm ²
Water consumption	0,05 NI/cycle
Water inlet connection pipe	ø10-8 mm
Water outlet connection pipe	ø14 mm
Water type deionized water is suggested	

Operation Features

Panel size

Width (min.÷max.)	190÷610 mm (7.5÷24 in.)
Thickness (min.÷max.)	0.025÷6,4 mm (0.001÷0.25 in.)
Thickness WET lamination (min.÷max.)	0.025÷3,2 mm (0.001÷0.13 in.)
Length (min.÷max.)	220÷610mm (8.7÷24 in.)

Dry Film Photoresist Size

Width	610 mm (24 in.)
Rolls Diameter	250 mm (9.84 in.)

Conveyor (Adjustment)

Conveyor Height (min.÷max.)	1025÷1110 mm (40.4÷43.7 in.)
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Conveyor Speed

Adjustable up to	3 m/min. (10 ft./min.)
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Lamination Pressure

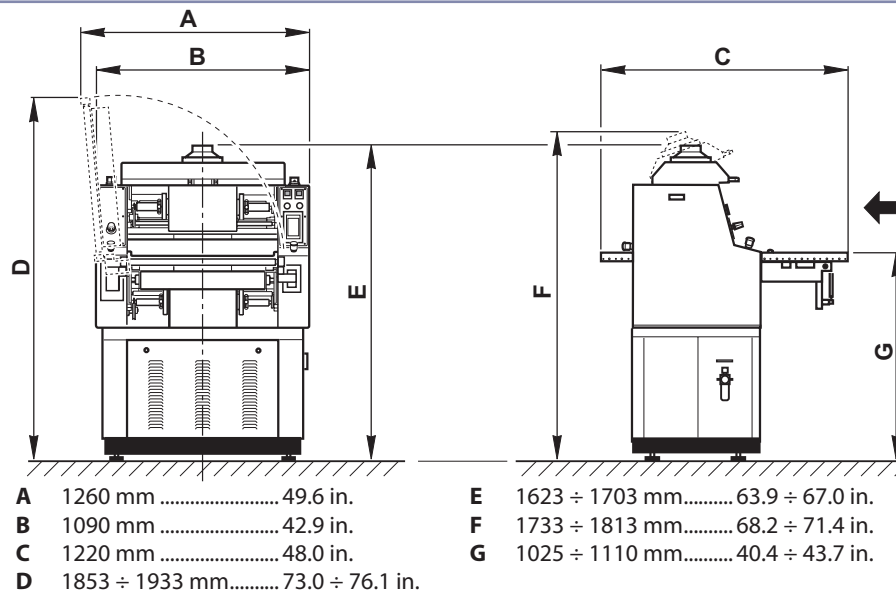
Pressure	0,1 ÷ 6 bar (3 ÷ 160 Kg)
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Lamination Roll

Temperature (max.)	130°C (266°F)
Material	Silicone rubber 60 SH (Anti-Solvent rubber 75 SH opt.)

Options

Lateral cutting device with motor
Metal chuck (3 in. core) for dry film rolls
Expansion rolls support dry-film top and bottom
Exit Driven conveyor rolls with pneumatic bar plus cutting groove
Exit Driven conveyor rolls length 426mm suitable for very thin material
Exit Driven conveyor rolls length 256mm
IR sensor Kit to detect exit temperature.
Wet lamination module



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