



Description

The Manual Laminator model ML 3124 PH1 is designed to provide reliable lamination of dry film photoresist to inner layers, multi-layers, single-sided and double-sided printed circuit boards, and chemical milling parts. This unit is equipped with a pre-heating section made by two hot rolls. Productivity depends on operating variables, such as panel dimensions, film type, feeding method, etc.



Pre-Heating section made by two hot rolls



Teknek Cleaning Head model P600 (optional)



Advantages

- Suitable for innerlayer or rigid panels—full range from 0,025 core ÷ 12,7 mm (0.001 core ÷ 0.5 in.) thickness
- Panel sizes up to 635 mm (25 in.) wide
- Both rolls driven
- Anti-static system
- Operator interface in various language by OMRON touch screen display
- Fine alignment device
- Completely controlled by OMRON PLC
- AC motor controlled by inverter
- Provided with 3 or 6 in. plastic adapter
- Clean, oil-less compressed air system
- Powerful vapor exhaust system
- Lateral cutting with motor (option)
- Thicker panel device up to 12,7 mm (0.5 in.)
- Pre-Heating section made by two hot rolls
- Pneumatic device for low lamination pressure
- Teknek Cleaning Head model P600 (option)

General Specifications

Overall Dimensions

Width	1090 mm (42.9 in.)
Length	1022 mm (40.2 in.)
Height (min.÷max.)	1623÷1703 mm (63.9÷67.0 in.)

Electrical Requirements

Power Type	Single phase; 50/60 Hz + Ground
Power Consumption	4.6 KVA
Nominal Voltage	230V

Compressed Air

Consumption	2,5 NI/cycle (0.08 cfm)
Working Pressure	3÷6 kg/cm ² (42.7÷85.3 psi)

Exhaust

250 m³/hour

Weight

Gross	380 kg (837 lbs.)
Net	270 kg (595 lbs.)

Operation Features

Panel size

Width (max.)	635 mm (25 in.)
Thickness (min.÷max.)	0,025 core ÷ 5mm (0.001 ÷ 0.2 in.) up to 12,7 (0.5 in.) optional
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.)
-----------------------------	------------------------------

Conveyor Speed

Adjustable up to	3 m/min. (10 ft./min.)
Standard conveyor idler roller	

Pre-Heating Section

Made by two hot SI rolls - Temperature (max.) 130°C (266°F)

Lamination Roll

Temperature (max.)	130°C (266°F)
Material	Silicone rubber 65 SH (Anti-Solvent rubber 75 SH opt.)

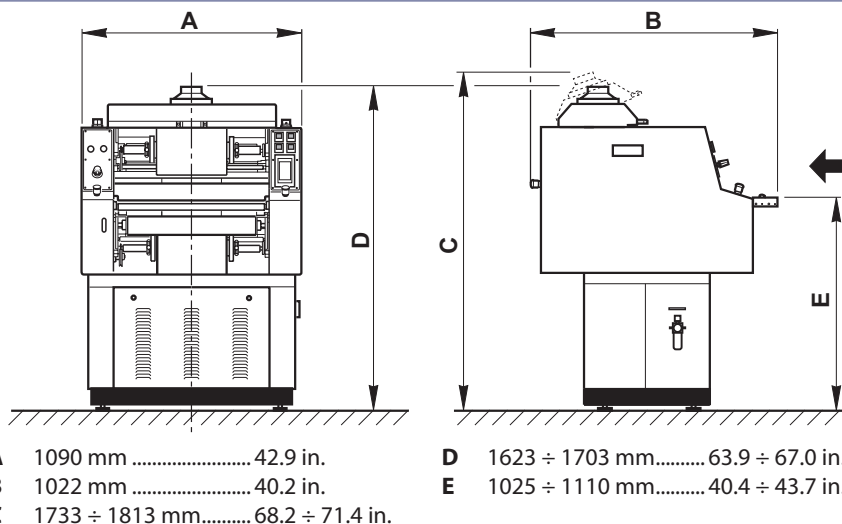
IR sensor

Lamination Pressure

Pressure	0,1 ÷ 6 bar (2.7 ÷ 160 Kg)
Pneumatic device for low lamination pressure	

Options

- Thicker panel device up to 12,7 mm (0.500 in.) by Knobs with a graduate scale
- Expansion rolls support dry-film top and bottom
- Exit Driven conveyor rolls length 256mm
- Lateral cutting device with motor
- Metal chuck (3 in. core) for dry film rolls
- IR sensor Kit to detect exit temperature
- Teknek Cleaning Head model P600



www.dynachem.eu

Contact:

Via A. da Giussano, 32/34
21040 Caronno Varesino - Varese - Italy
Tel +39 03311850200
Fax +39 0331 981996
e-mail: info@dynachem.eu



DYNACHEM

DISTRIBUTOR