



MANUAL LAMINATOR XRL-360

For Imaging Materials Applications

Regional Product Availability			
N.America	Japan/Korea	Asia	Europe
	✓	✓	✓

DESCRIPTION

The XRL-360 uses heat and pressure to laminate dry film photoresist to innerlayers, multi-layer boards, double-sided plated through-hole boards, chemical milling parts and other specialized substrate materials, up to 915 mm (36 inches). The XRL-360 has two large diameter, internally-heated, pressure rolls with roll temperature controlled by two solid-state, digital-reading, potentiometric, input thermocouple temperature controllers. This combination of temperature and pressure provides optimum dry film lamination conditions. The heated pressure rolls are in intimate contact with the photoresist for heat transfer to the photoresist and the printed circuit board. An air pressure system provides high unit pressure to the rollers to insure superior dry film lamination.

ADVANTAGES

- Suitable for innerlayer or rigid panels—full range from 0.10–6.35 mm (0.004–0.250 in.)
- Panel sizes up to 915 mm (36 in.) wide
- Dry film photoresist up to 915 mm (36 in.) wide
- The transport speed system includes a digital readout of transport speed in feet per minute
- Internally heated rolls for best heat transfer to photoresist and copper board during lamination
- Dual driven rolls
- Independently adjustable top and bottom temperature controls with digital and programmable solid state plug in units
- Both 6 in. and 3 in. film core provisions standard
- Static removal system provided
- Easily maintained
- Replacement parts readily available



MANUAL LAMINATOR XRL-360

General Specifications

Overall Dimensions

Width	1,400 mm (55 in.)
Length	740 mm (29 in.)
Height	940 mm (37 in.)

Electrical Requirements

Power Type	single phase; 50/60 Hz + Ground
Power Consumption	3.6 KVA
Nominal Voltage	230V

Compressed Air

Consumption	15 nl/min. (1 cfm)
Working Pressure	2.8–4.2 kg/cm ² (40–60 psi)

Weight

Gross	308 kg (680 lbs.)
Net	165 kg (360 lbs.)

Lamination Features

Panel Size

Width (max.)*	915 mm (36.0 in.)
Length (max.)	1,524 mm (60.0 in.)
Thickness (min.–max.)	0.1–6.4 mm (0.004–0.25 in.)

Dry Film Photoresist Size

Width (max.)	915 mm (36.0 in.)
Length (max.)	1,524 mm (60.0 in.)

Conveyor Speed

Lam. Speed (min.–max.)	0.30–3.75 m/min. (1–12 ft/min.)
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*Up to 1,220 mm (48 in.) wide can be provided upon requirements.

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