



**ELECTRONIC MATERIALS**  
CIRCUIT BOARD TECHNOLOGIES

# MANUAL LAMINATOR 360/N

For Imaging Materials Applications

## DESCRIPTION

The Manual Laminator model 360/N 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. Productivity depends on operating variables, such as panel dimensions, film type, feeding method, etc.

## ADVANTAGES

- Suitable for innerlayer or rigid panels—full range from 0.05–12.7 mm (0.002–0.5 in.) thickness
- Panel sizes up to 635 mm (25 in.) wide
- Both rolls driven
- Anti-static system
- Easy dry film loading and alignment
- Completely controlled by PLC
- Accepts 300m (1,000 ft.) rolls of dry film
- Provided with 3 or 6 in. adapters
- Clean, oil-less compressed air system
- Powerful vapor exhaust system
- Lateral cutting capability (optional)



## MANUAL LAMINATOR 360/N

### General Specifications

#### Overall Dimensions

Width	1,150 mm (45.3 in.)
Length	770 mm (30.3 in.)
Height (min.–max.)	1,470–1,550 mm (57.9–61.0 in.)

#### Electrical Requirements

Power Type	single phase; 50/60 Hz + Ground
Power Consumption	2.4 KVA
Nominal Voltage	230V

#### Compressed Air

Consumption	2 NI/cycle (0.07 cfm)
Working Pressure	3–6 kg/cm <sup>2</sup> (42.7–85.3 psi)

#### Weight

Gross	330 kg (727 lbs.)
Net	210 kg (463 lbs.)

### Operation Features

#### Panel Size

Width (max.)	640 mm (25.2 in.)
Thickness (min.–max.)	0.05–12.7 mm (0.002–0.50 in.)

#### Dry Film Photoresist Size

Width	640 mm (25.2 in.)
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#### Conveyor (Adjustment)

Conveyor Height (min.–max.)	1,010–1,090 mm (39.8–42.9 in.)
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#### Conveyor Speed

Adjustable to 3 m/min. (10 ft./min.)

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