

LM6000

In-Line Laminating System



PRODUCT DESCRIPTION

The LM6000 provides continuous lamination of materials onto a plastic support backing with adhesive.

The Automated Laminating system is a modular design to accommodate various numbers and types of materials. Each material is fed from adjustable spindles through guides and under a pressure roller to assure complete adhesion to the plastic support backing. The system provides ability to individually remove kiss cut adhesive liners for individual laminate materials. For fragile materials alignment is controlled through automated tracking. After lamination the materials can either be cut and stacked in a collection chute or rewound onto a take-up reel.

Other process steps such as dispensing, slitting, punching and inspection can also be integrated into the system. For materials that are not available or cannot be processed in roll formats a magazine feeding system has been designed.

The system can also be partially or completely enclosed for control of the manufacturing environment.

FEATURES AND BENEFITS

PRECISION AND ACCURACY

- Sensor and Guides accurately align material during lamination.

FLEXIBILITY

- Various numbers and types of materials can be used.

USER-FRIENDLY

- Microprocessor control with the ease of keypad entry.

PERFORMANCE

Linear Web Speed:

Up to 4"/sec (100 mm/sec)

Lamination Roller Pressure:

0-40 PSIG

Lamination Tolerance:

<+/-0.01"(0.25mm)

Liner Take-up Reel:

Max OD 8.0" (200 mm)

SPECIFICATIONS

DIMENSIONS (L X W X H)

9' x 22' x 40' (configuration dependent)

WEIGHT

~1047 lbs (configuration dependent)

POWER REQUIREMENT

110/220 VAC; 50/60 Hz (for all models)

AIR REQUIREMENT

Air Supply: 0 - 90 psi (when AirJets & Capstan are configured)

DISPENSING SPECIFICATIONS

DISPENSERS

Up to 8 in any combination

MEMBRANE WIDTH

Minimum: 0.20" (5 mm) *

Maximum: 3.85" (98 mm)

* Material dependent

LINEAR WEB SPEED

Up to 4"/sec (100 mm/sec)

WEB TRACKING

± 0.25 mm on take-up roll

± 0.25 mm on dispense tracking



Laminating System configured with a Guillotine Cutting Module

MATERIALS SPECIFICATIONS

PLASTIC BACKING:

Width up to 100 mm

Reel Core 3.0" (35 mm)

Reel OD 18.0" (460 mm) max

LAMINATION WEBS: 13-100 MM WIDTH

Reel Core: 3.0" (75 mm)

Reel OD: 12" or 16" max

OPTIONS

DISPENSE MODES

FrontLine Quanti

AirJet Quanti

BioJet Quanti

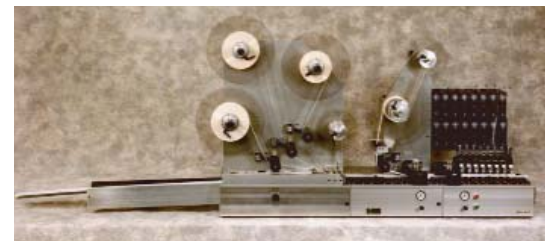
CUTTING MODULES

SLITTING MODULES

INSPECTION STATIONS

PUNCHING MODULES

ENVIRONMENTAL ENCLOSURES



Laminating System configured with a Dispensing Module