

SIMPLIFY product development and IMPROVE product quality

Application

- Lateral Flow Tests

Batch Lamination System

The LM5000 (clamshell laminator) is a manual device used to assemble lateral flow test strips.

Precut membrane, conjugate pad, absorbent pads and plastic backing are brought together with precision overlap to create a laminated master test strip card.

The clamshell module uses vacuum to hold each component in place. The operator positions the plastic backing with the adhesive exposed on the top section. Absorbent pads, conjugate and membrane are all placed into the bottom custom designed nest. Closing the module aligns the backing with other components and laminates the card.

Multiple nests can be purchased to accommodate different test designs. Nests are easily interchangeable.



Features/Benefits

- Precision alignment
- Custom made to your specifications
- Simultaneous lamination of most test components
- Does not require scored release liner on the plastic backing card
- Nests are interchangeable
- R&D to moderate production throughput
- Easy to set up, operate and maintain
- Compact footprint

LM5000

GENERAL SPECIFICATIONS

Dimensions (L x D x H)

•43 cm x 36 cm x 40 cm

Weight

• 13 kg

Vacuum Requirement

• 2.5 CFM @-18 inHg

OPTIONS

Additional Customer Nests

Vacuum Pump

Specifications subject to change without notice



EASY to use

PRECISION alignment

CUSTOM nest design

Batch Lamination for Lateral Flow Tests

For over 23 years, BioDot has been providing dispensing, laminating and cutting systems in the rapid test market. Our long-lasting relationships with customers are built on precision products and quality service around the world.



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