

Precision Cutting System

Simplifies Product Development with Quick and Easy Operation. Improves Product Quality with Cut Accuracy

Applications

- Lateral flow tests
- Biosensors
- Dry chemistry
- Custom applications

Accuracy & Repeatability

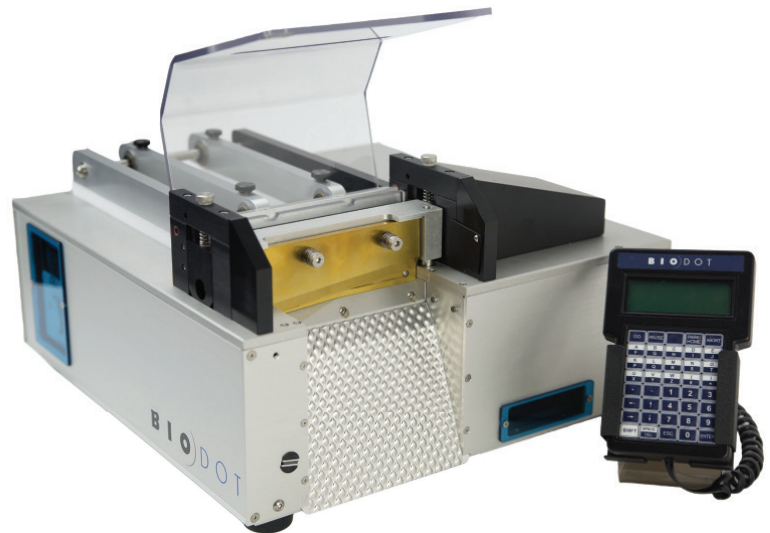
The CM5000 Guillotine Cutter is a robust cutter used in both R&D and production environments. Its user friendly design can make a few cuts for development work or perform at high speed manufacturing throughputs.

Mini rollers with friction feed direct materials to cutting blade. Once in position, material is held in place then cut with a hardened and coated steel blade.

The blade's design and material improves ejection of the cut strip and reduces glue build up. Cut variables (ex. length, quantities) are programmed and saved via a hand held terminal.

For safety, if the lid is opened, an interlock system shuts off power to the blade. The blade assembly is designed to allow easy removal for cleaning without requiring recalibration.

To learn more about the CM5000, scan this QR code with your smart device:



Features/Benefits

- Cost efficient
- Minimal waste per card
- Handles a variety of products
- Minimizes delamination with a back-up cut feature
- Safety interlocking device
- Easy blade cleaning
- R&D to high-speed production throughput
- Easy to set up, operate and maintain
- Programmable cut width and quantity
- Data storage to support multiple applications
- Systems can be upgraded after purchase*
- Compact footprint

System Options

- Leading edge sensor detects front edge of material prior to cutting, reducing waste and maximizing precision
- Target Sensor detects a fiducial on the material to cut relative to target
- Anti-static helps reduce static build up
- Reel Feed - feeds material in roll form
- Bottle collection custom designed, counts and fills bottles directly
- Systems can be upgraded after purchase*
- Compact footprint

*System Configuration Dependent

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General Specifications

Accuracy of Cut Length	± 0.1 mm at 5.0 mm
Precision of Cut Length	Std Dev < 0.05 mm
Cutting Speed	• Approx 240 cuts/min @ 3 mm width • Approx 120 cuts/min @ 5 mm width
Cutting Width	Minimum 3 mm
Leading Edge/Target Sensor Cut Length Precision	Std Dev < 0.075 mm
Dimensions	41 cm x 43 cm x 23 cm
Weight	25 kg
Power Requirement	110/220 VAC ; 50/60 Hz, 6A
Air Requirement	60-125 psi
Materials	Card width up to 100 mm

Specifications subject to change without notice



Cutter with roll feed and bottle collection



Cut Strips



Cutter with roll feed

Guillotine Cutting System for Test Strip Development and Manufacturing

Since 1993, 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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