

CDS1000

CONVEYOR DISPENSING SYSTEMS

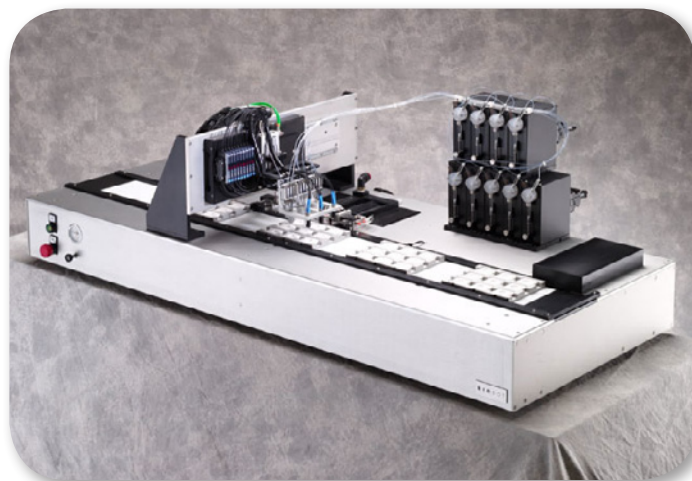
FEATURES AND BENEFITS

Flow Through Devices/ Drop Dispensing

- For drop dispensing applications, parts are loaded into custom pallets to control positioning
- Each pallet has reference guides that are used to hold the part in alignment during the dispensing process
- Multiple devices are dispensed onto simultaneously
- Drop presence sensors can also be incorporated with ink mark reject parts

Lateral Flow/Line Dispensing

- For line dispensing the conveyor operators in continuous
- An optical sensor detects when a substrate is in position for dispensing and triggers the dispensers to fire
- A guide system positions the substrate under the dispensers for alignment in the Y-axis



The CDS1000 and CDS1050 is a conveyor-based motion platform designed to integrate with BioDot's dispensers. The system operates by placing parts onto the conveyor where they are automatically positioned under the dispensers. Finished parts are then sent to an offload area on the conveyor. The dispensers' positions are programmable in the Y and Z axes.

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SPECIFICATIONS

Conveyor Speed

- Up to 20 cm per second

Platform Motion

- X-Movement: Conveyor controlled
- Y-Movement: Stepper motor
- Z-Movement: Stepper motor (CDS1050)
- Z-Movement: Pneumatic and micrometer (CDS1000)

Position Axis Accuracy

- Stepper Motor Y and Z-axes
- Conveyor with Guides Positioning
- Programming Control

Dimensions

- Length: 54 in (137 cm)
- Height: 22 in (56 cm)
- Width: 24 in (61 cm)

Power Requirements

- 110/220 VAC; 50 - 60 Hz; 40 - 60 PSI air