

Flex Cell

POLY DISPENSING SYSTEMS

SYSTEMES DE DOSAGE INDUSTRIEL



System Specifications

Gantry System Design

Closed loop brushless DC servo motors with optical encoders and ball screw slides on all axes

Work Area

Flex Cell 500 mm X and Y-axis Stroke Flex Cell-600 600 mm X and Y-axis Stroke Flex Cell-800 800 mm X and Y-axis Stroke

XYZ Repeatability

25 microns (0.001")

Resolution

5 microns (0.0002")

Maximum Acceleration

1g

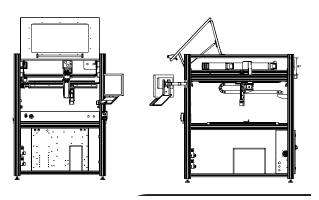
Footprint

Varies upon workcell

Programming Software

PathMaster software with offline image import and programming capability

PathMaster is a registered trademark of Precision Valve & Automation, Inc. Windows is a registered trademark of Microsoft Corporation.



Flex Cell

Custom Selective Coating/Dispensing System



The Flex Cell is a custom three or four-axis robotic platform for dispensing a wide variety of adhesives, sealants, and conformal coatings. Each Flex Cell is designed to your specific application and with your desired options.

The Flex Cell employs a robust gantry system featuring precision ball screw slides driven by brushless DC servo motors. Every axis of motion features optical encoder feedback for a truly closed-loop process.

The Flex Cell has many options and integrated features including:

- •Robotic system repeatability of 25 microns
- •Patented servo-controlled optional four-axis motion featuring valve tilt and rotate
- ·Closed loop process control throughout gantry system
- •Multiple dispensing applications or materials in one cell
- ·Onboard PC for unlimited program storage
- •Exclusive PathMaster programming environment

For more information, please contact POLY DISPENSING SYSTEMS at contact@polydispensing.com or contact your local representative.