



Custom Selective Coating/Dispensing
System
Flex Cell

POLY DISPENSING SYSTEMS
S Y S T E M E S D E D O S A G E I N D U S T R I E L

Flex Cell Custom Selective Coating/Dispensing System



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.

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.

