



INNOVATION. **PRECISION.** EXCELLENCE.



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

Flex Cell-1000

1000 mm X and Y-axis Stroke

Flex Cell-1200

1200 mm X and Y-axis Stroke

XYZ Repeatability

±25 microns (±0.001 in)

Resolution

5 microns (0.0002 in)

Maximum Acceleration

1g

Footprint

Varies upon workcell

Programming Software

PathMaster® software with offline image import and programming capability

Flex Cell

Custom Selective Coating/Dispensing System

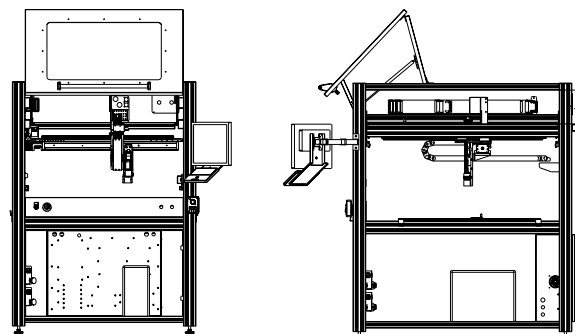
The Flex Cell is a custom three or four-axis robotic platform for dispensing a wide variety of adhesives, sealants, and conformal coatings. Each Flex Cell is designed to your specific application and with your desired options.

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 PVA at info@pva.net or contact your local representative.



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