

SimpleCoat

Selective Conformal Coating System

Cost-effective Solutions for Conformal Coating



Conformal Coating System Features

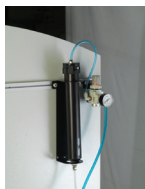
SimpleCoat is ideal for selective conformal coating and dispensing applications that require a high level of accuracy and repeatability. It is an ideal solution for medium and low volume.

SimpleCoat is equipped with a robust, 3-axis motion platform which can be configured with two types of valves. Valve selection includes: spray and dispense valves.

SimpleCoat works with a laptop computer. Programming is easy and can be done either by manually teaching a program or by using a JPG image of a PCB. All parameters, such as valve parameters and motion parameters, can be easily altered. Various shapes, patterns, and areas can also be programmed.

Standard Features

- Inline Operation with SMEMA Communication
- Spray and Needle Valve
- Purge and Solvent Cups
- Stainless Steel Surfaces
- Internal Black Light for Coating Inspection
- Full-featured Programming, including Teach from JPG
- Exhaust Port with Sensor
- Light Tower
- Cartridge Fluid Feeding



Configuration Option

- Stand-alone Configuration - no conveyor

Add-On Options

Common Options*	Description
Low Level Material Sensor	Detects fluid level in reservoir
External Pail with Scale Level Sense	Large volume reservoir

* Contact GPD Global about additional options and features.

Valves Available

Application	Valve
Conformal Coat	Spray Valve with 10 mm Conical Spray
Selective Coat	Needle Valve with Luer Tip Compatibility

Specifications

Capacity

Dispense pumps Up to 2 pumps

Motion Control

XYZ Axis Drive Stepper motors plus ball screw
 XYZ Resolution 25 Micron
 Speed 350 mm/sec (13.78"/sec)

Coating Area

XYZ Travel 430 mm x 430 mm x 50 mm
 (17" x 17" x 2")
 Bottom Side Clearance 100 mm (4")

Conveyor

Conveyor Type Pin Chain
 Conveyor Width (minimum) ... 50 mm (2")
 Conveyor Width (maximum)... 430 mm (17")
 Edge Clearance 5 mm (0.2")
 Transport Height 940 mm - 965 mm (37" - 38")
 Communication SMEMA

Facility Requirements

Air Supply 6 bar 85 PSI dry clean air
 Exhaust 250 CFM, 127 mm (5") diameter
 Power 110/220 VAC, 50/60 Hz

Dimensions & Weight

Footprint (W x D x H) 1000 mm x 1400 mm x 1550 mm
 (39.37" x 55.12" x 61.02")
 Weight 275 kg (605 lbs)

Operating Control

Minimum requirements Customer-supplied PC or laptop with Ethernet connection and Windows® 7

Certification

CE



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