

# 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 three types of pumps. Pump selection includes: spray, dispense, and film coating pumps.

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 pump parameters and motion parameters, can be easily altered. Various shapes, patterns, and areas can also be programmed.

### Standard Features

- Door Interlock Control
- Purge and Solvent Cups
- Light Tower Indicator
- Low Exhaust Interlock
- Control via Laptop Computer



### Coating Feed Options

- Cartridge Feed
- Pressure Vessel



### Pump Compatibility

Application	Pumps / Accessories
Conformal Coat	Circular Spray Pattern Pump
Selective Coat	Needle Pump
Ultra Thin Coat	Film Coating Pump



### Add-On Options

Common Options*	Description
Low Level Material Sensor	Detects fluid level in reservoir
Internal UV Light	For coating inspection
* Contact GPD Global about additional options and features.	

### Specifications

#### Capacity

Dispense pumps ..... Up to 2 pumps  
Heat ..... Non-heated system

#### 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")

#### Inline (Option)

Conveyor Type ..... Pin or 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 m<sup>3</sup>, 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)

#### Certification

CE

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