



## iCoat-2

### Selective Conformal Coating Workcell

#### Application:

Selective conformal coating, dam and fill, solder mask dispensing, and component fixing

#### Standard Features:

- PC coordinated motion control with Windows OS
- Manual teach programming
- Integral steel gantry platform ensures smooth operation
- X, Y, Z three-axis motion
- Stepper motor + belt drive
- Run precision of 0.2mm
- Includes two nozzles
- Nozzles automatic cleaning device
- Special aluminum alloy rail and stainless conveyor chain
- Single exhaust port
- SMEMA port to connect with other devices



#### iCoat-2 Specifications

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<b>Dimensions</b>	
In-line LxWxH (mm)	1000 × 1200 × 1600mm
Weight	400 Kg
<b>Motion</b>	
Head Structure	Single head 2 nozzle structure
No. of Axis	3 axis = X, Y, Z
Drive	Stepper motor + belt drive
X,Y Travelling Speed	Max: 800mm/s
Recommended Working Speed	5 - 200mm/s
Positioning Accuracy	40 µm (0.04mm)
Repeat Accuracy	40 µm (0.04mm)

## iCoat 2 Specifications (Continued)

### Work area (based on 1 nozzle on right side)

<b>Coating area</b>	L= 450mm, W=450mm	
<b>Z axis movement</b>	100mm	
<b>Nozzle Configuration</b>	2 nozzle	
<b>Nozzle Types</b>	<p><i>Select two of the Standard nozzles:</i>  <i>Micro Spray: SA-W3</i> coating width 3 ~ 6mm  <i>Cone: SA-W 5</i> coating width 5 ~ 10mm  <i>Fan: LA-W30</i> coating width 15 ~ 30mm  <i>Film Coater: SC-W10</i> coating width 10 ~ 15mm  <i>Needle: DJ-01</i> coating width 0.2 ~ 2mm</p>	
<b>Conveyor System</b>		
<b>Conveyor Type</b>	Single stage/ Pin chain type	
<b>Board Clearance</b>	Top = 100mm	Bottom = 100mm
<b>PCB Edge Clearance</b>	5mm (Pallet) / 3mm (PCB)	
<b>Conveyor Height</b>	900±20mm	
<b>Conveyor Speed</b>	800cm/min	
<b>Flow Direction</b>	Left to Right (Right to Left option)	
<b>Width Adjustment</b>	Manual	
<b>Comm. port</b>	Standard SMEMA	
<b>Facility Requirements</b>		
<b>Input Power</b>	220-240VAC Single Phase, 50/60Hz (3 wire); 208VAC Split Phase, 60Hz (4 wire); 208VAC Three Phase, WYE, 60Hz (5 wire);	
<b>Power Consumption</b>	2.6kW	
<b>Exhaust Flow Rate Requirements</b>	15m <sup>3</sup> /min	
<b>Compress Air Requirements</b>	0.6MPa (100L/min) or 90psi (3.5CFM)	
<b>Programming panel</b>	Optional	
<b>Material Detection</b>	Optional	
<b>Camera Location</b>	Optional	
<b>Clamp Device</b>	Optional	
<b>QR Code/Bar Code Reader</b>	Optional	
<b>Waste Recycling</b>	Standard	