



## iCoat-X5

### Selective Conformal Coating Workcell

#### Standard Features:

- Standard 2 nozzles (DJ-01 and SA-W5)
- PC with LCD monitor, keyboard and mouse (height adjustable)
- PCB clamping system
- 10L material tank (stainless steel)
- ESD grounding point
- LED UV lamps for inspection
- Auto dipping and purging waste collection system
- UPS and voltage stabilizer
- CE Certified

#### Optional Features:

- Additional nozzles available (see nozzle types below)
- Heavy duty conveyor (Max <= 10KG)
- Dual conveyor system
- Material weight detection
- CCD vision camera
- Pallet return conveyor (Underneath)
- Barcode scanning function (1D or 2D)
- Material tank: 5L / 20L



iCoat-X5 Specifications		
<b>Dimensions</b>		
In-line LxWxH (mm)	900 × 1300 × 1630mm	
Weight	550 Kg	
<b>Motion</b>		
No. of Axis	5 axis = X,Y,Z and U (rotation) + tilt	
Drive	C5 module closed loop servo motor	
X,Y Travelling Speed	Min: 1mm/s	Max: 800mm/s
Recommended Working Speed	5 - 200mm/s	
Positioning/Repeatability accuracy	20µm (0.02mm)	
Rotation Angle	±180°	
Tilt Angle	35° ( Fixed)	

## iCoat-X5 Specifications (Continued)

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

Coating area	L= 460mm, W=460mm
Z axis movement	100mm
Nozzle Configuration	Up to max. of 3
Nozzle Types	<p><b>Standard:</b>  <i>Needle: DJ-01</i> coating width 0.2 ~ 2mm  <i>Cone: SA-W5</i> coating width 5 ~ 10mm</p> <p><b>Optional:</b>  <i>Micro Spray: SA-W3</i> coating width 3 ~ 6mm  <i>Fan: LA-W30</i> coating width 15 ~ 30mm  <i>Film Coater: SC-W10</i> coating width 10 ~ 15mm</p>

### Conveyor System

Conveyor Type	Single stage / Pin chain type	
Board Clearance	Top = 100mm	Bottom = 100mm
PCB Edge Clearance	5mm (Pallet) / 3mm (PCB)	
Conveyor Height	900±20mm	
Conveyor Speed	Up to 750cm/min	
Flow Direction	Left to Right (Right to Left option)	
Width Adjustment	50 ~ 460mm (motorized)	
Comm. port	Standard SMEMA	

### Facility Requirements

Input Power	220-240VAC Single Phase, 50/60Hz (3 wire); 208VAC Split Phase, 60Hz (4 wire); 208VAC Three Phase, WYE, 60Hz (5 wire);
Total Power	2.6kW
Exhaust Flow Rate Requirements	15m <sup>3</sup> /h
Compress Air Requirements	0.6MPa (100L/min) or 90psi (3.5CFM)
Programming panel	Standard
Material Detection	Standard
Camera Location	Standard
Clamp Device	Standard
QR Code/Bar Code Reader	Optional
UPS	Optional
Waste Recycling	Standard