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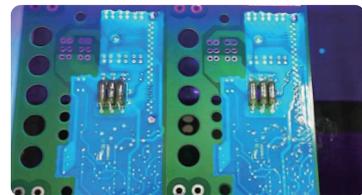
## iCoat-3 SERIES

SELECTIVE CONFORMAL COATING MACHINE

### Product Description

ANDA's iCoat-3 is a high-speed precision selective conformal coating machine that's designed to strike a balance between cost and performance. Perfect for automating high volume/throughput or high mix low volume (HMLV) coating processes which don't require valve rotation and 35° tilt (see iCoat-5 Series). Suitable for panelized or palletized printed circuit board assemblies (PCBAs) and large area coating applications.

- Running accuracy of  $\pm 0.02$  mm (20  $\mu$ m) ( $\pm 0.0007$ " )
- Three axes of movement (X,Y,Z)
- Supports up to four selective conformal coating valves in a variety of different nozzle arrangements including dual or quad valve configurations



Precision conformal coating for PCBA's



Selective conformal coating of components and IC pins

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# Specifications :

## System Specifications

### iCoat-3 Series Selective Conformal Coating Machine

	iCoat-3	iCoat-3A	iCoat-3B	iCoat-3C
<b>Board Handling</b>				
Standard Work Area	X 450 mm (17.71") Y 450 mm (17.71") Z 100 mm (3.93")	X 220 mm (8.66") Y 450 mm (17.71") Z 100 mm (3.93")	X 220 mm (8.66") Y 450 mm (17.71") Z 100 mm (3.93")	X 200 mm (7.87") Y 440 mm (17.32") Z 100 mm (3.93")
Min. Conveyor Width	50 mm (1.96")			
Max. Conveyor Width	450 mm (17.71")			
Max. Component Height	± 90 mm (3.54")			
PCB Edge Clearance	≥ 5 mm (≥ 0.19")			
Process Flow	L to R (Standard), R to L (Optional)			
Max. Conveyor Load	4 kg/m (9 lbs) [Standard], 10 kg/m (22 lbs) [Optional] with even distribution			
Max. Conveyor Speed	13 m/min			
Conveyor Height	900 ± 20 mm (35.43" ± 0.79")			
Conveyor Width Adjustment	Motorized			
<b>Operation</b>				
Gantry System	Servo Motors & Ball Screw			
XY Max. Speed	800 mm/s			
XY Acceleration	0.8 g with smooth control			
XYZ Repeatability	± 0.02 mm (±0.0007")			
Spray Width	2 - 30 mm (0.078" - 1.18")			
Tilt	35°			
<b>Facility</b>				
Footprint	L 900 mm (33.43") W 1300 mm (51.18") H 1675 mm (65.94")			
Weight	~530 kg (~1170 lbs)			
Min. Air Supply	0.4 MPa (60 psi, 4 Bar)			
Exhaust Requirement	15 m <sup>3</sup> /min (500 CFM)			
Input Power	AC 220 V 50/60 Hz			
Rated Power	2.2 kW			
Standard Compliance	SMEMA, IPC, CE			
<b>Interface</b>				
Controller	IPC & KMM			
OS	Windows OS			
Software	Anda Software			
Programming	File Transfer & On-board Programming			

## Standard Features

- 2 valves can be accommodated in the standard machine
- Auto dipping and purging wasted collection systems
- Fluorescent inspection lighting (UV black light)
- PCB clamping system
- Programable valve cleaning
- Board presence sensors
- ESD grounding

## Optional Features

- Larger work area X: 580 mm Y: 580 mm
- Heavy duty conveyor
- Dual lane conveyor system
- 2 stage conveyor
- CCD vision camera
- Simultaneous dual-valve spraying
- Material level detection
- Pallet return conveyor (underneath)
- Barcode or 2D code scanner
- Material tank AMSE certified: 1 / 3 / 5 / 10 gal
- USP and voltage stabilizer



iCoat-3: Dual valves with fixed width



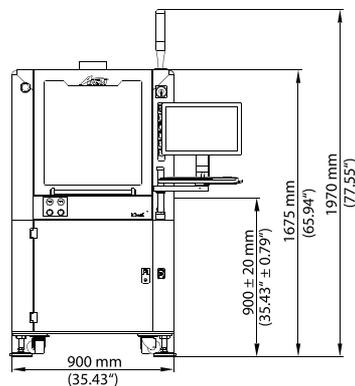
iCoat-3A: Dual valves with tilting for both L & R direction, width adjustment 50 - 200 mm (1.96" - 7.87")



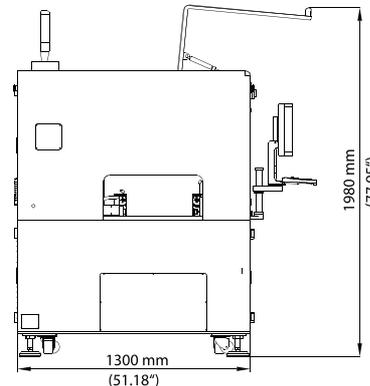
iCoat-3B: Quad valves in a row with tilting for both L & R direction, width adjustment 50 - 200 mm (1.96" - 7.87")



iCoat-3C: Quad valves in dual row with tilting for both L & R direction, width adjustment 50 - 200 mm (1.96" - 7.87")



Front View



Side View