

High-productivity, high-precision **conformal coating system**

MYSmart™ MYC10 benchtop coating system



Introducing the MYC10 platform

High-performance conformal coating system

MYC10 is a flexible three or four-axis robot that is suitable for virtually any benchtop of laboratory selective coating application. MYC10 features a robust overhead motion platform employing servo motors and precision ball screw slides.

1. Compact desktop design
2. Large work area
3. Flexible multi-axis control enables precise coating of complex PCB boards.
4. IPC+LCD



Specifications **MYC10**

MOTION SYSTEM	
X-/Y-AXIS	Z-AXIS
X, Y speed: max 500 mm/s	Z axis speed: max. 300 mm/s
X, Y acceleration: max. (0.5 g peak with s-curves)	Z axis acceleration: max. (0.3 g peak with s-curves)
X, Y repeatability: $\pm 25\mu\text{m}@3\sigma$	Z axis repeatability: $\pm 25\mu\text{m}@3\sigma$
X, Y drive mode: servo motor, ball screw	Z axis drive mode: servo motor, ball screw
D-AXIS	
Rotation angle: $\pm 90^\circ$	Valve rotation axis
Repeatability: $\pm 0.1^\circ$	Rotation angle: $\pm 30^\circ$
DDrive mode: cylinder	Repeatability: $\pm 0.1^\circ$
DISPENSING AREA	
Single valve max(XxY): 400x400mm	
Max. clearance above and below PCB: 90mm	
FACILITY REQUIREMENTS	
Power: ac220V, 2.5kW, 16A, 50/60Hz	
Air supply: 80 psi (5.5 bar)	
System footprint(WxDxH): 784x1,290x1,003mm	
Machine weight: 300kg	
Standards compliance: CE, UL (optional)	
Exhaust port: diameter 200mm, volume $\geq 13\text{m}^3/\text{minute}$	
CONTROL SYSTEM	FLUID DELIVERY METHODS
Computer: IPC, LCD monitor, keyboard	V-5000 three-mode spray valve
Operating system: Windows 10	V-420A precise needle valve
Control software: Mysmart Coat	V-5800 low pressure spray valve
CCD resolution: 1.3M pixels	V-300HP high pressure valve
STANDARD FEATURES	OPTIONAL FEATURES
Industrial computer, software and monitor	Cleaning platform
X, Y, Z axis and motion platform	Pressure tank supply module
Ultraviolet and white light	Low fluid alarm module
Safety interlock	Pump supply module
Audible alarm	Nozzle calibration module
Exhaust port	Exhaust monitoring module
Fluid supplying pipe	Four direction tilting module
Material changeover module	2D barcode reader module
CCD camera	Offline programming
Fiducial alignment software	
Machine spare part kit	
Valves spare part kit	

Bringing tomorrow's electronics to life



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