

JTU

FILM COATING MACHINE: C6

A cost-effective solution that promises consistent application of thin film coating, as well as sharp and clear edges.



- ⚙️ Non-atomized film coating
- ⚙️ Film direction can be switched freely
- ⚙️ Automatic, selective, consistent
- ⚙️ Minimum human intervention
- ⚙️ Intuitive interface with easy programming
- ⚙️ Industry 4.0 ready

COST-EFFECTIVE FC-10

- ⚙️ Produce sharp and clear edges
- ⚙️ Equipped with 90° self-rotation function
- ⚙️ Film direction (0° and 90°) can be switched freely

MATERIAL HEATING & CIRCULATING SYSTEM

- ⚙️ Maintain the viscosity of material
- ⚙️ Ensure consistent film coating fan shape

LASER FAN WIDTH CHECKING SYSTEM (OPTIONAL)

- ⚙️ Automatic sampling on film coating fan width
- ⚙️ Ensure consistent width

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Manufacturing Supremacy with Absolute Control

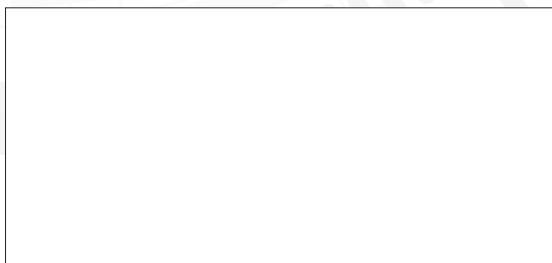
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Distributed by :



FC-10
Film Coating Valve



PD-01
Precision Dispensing Valve

MODEL	C6
GENERAL	
Dimensions: L x W x H	956 x 1,781 x 1,640 mm
Weight	Approx. 700 kg
Head structure	2 valves (Work independently)
Tilt angle	4-way 35° tilt on PD-01 (Optional)
Valves included as standard	1 x FC-10, 1 x PD-01
No. of axis movement	3 (X, Y, Z)
Rotation angle	90° self-rotation on FC-10
Type of driver	Closed loop servo motor
X, Y travelling speed	1 - 800 mm/s
Practical working speed	10 - 200 mm/s
X, Y repeatability	± 25 microns
Effective coating area: L x W	460 x 460 mm (With terms & conditions applied)
Z-axis movement	100 mm
Com. port	SMEMA 4 pins
CONVEYOR SYSTEM	
Conveyor type	Stainless steel
Board clearance	Top: 100 mm, bottom: 100 mm
Edge clearance	5 mm
Conveyor height	900 ± 20 mm
Conveyor speed	Max. 750 mm/s (Stepper motor control)
Conveyor direction	Left to right (Option: Right to left)
Conveyor width	50 - 460 mm (Auto adjustment)
UTILITIES	
Power supply	230 V AC (Single phase)
Total power	2.5 kW
Exhaust flow rate	Min. 5 m³/min (150 mm diameter ducting)
Compress air requirement	Min. 6 bar, 400 L/min
STANDARD FEATURES	
	Single-stage conveyor
	Automatic conveyor width adjustment (Software controlled)
	ESD grounding point
	PCB/Pallet clamping system
	LED UV lamps for visual inspection
	Auto valves dipping & purging with waste collection system
	Exhaust flowrate auto detection & alarm
	Material heating and circulating system
	PC controlled with Windows 10 Pro OS
	Adjustable PC work station height
	1 material tank (1 gallon)
	1 tank holder with weighing scale for material level auto detection & alarm
	Voltage stabilizer & UPS
	MES ready (i4.0)
	CE certified
OPTIONAL FEATURES	
	Laser fan width checking system
	4-way tilt (On PD-01)
	Needle calibration station (For PD-01)
	CCD vision camera
	Barcode/2D code scanning function (With Keyence SR-710)
	MES customization (i4.0)
	Double indexing (For long boards up to 600 mm)*
	Pallet return conveyor (Manual width adjustment)

* With double indexing option, machine total length will be extended by 100 mm.

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JTU reserves the right to make any changes concerning design or specification without notice to customers due to continuous improvement. The colors of machines may also differ slightly from this catalogue. (202408 Version 2.0)



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