

4 Axis Selective Coating Machine VCoat 900-4x

4 Axis Selective Coating Machine VCoat 900-4x Description:

- Servo motor and X,Y,Z,R axis driving system.
- Solid steel platform and moving structure.
- High precision coating valve .
- CCD with fiducial mark recognition function.
- Material tank weighing system .
- Industrial PC ,full English interface.
- Max 400*450mm PCB width capable

4 Axis Selective Coating Machine adopt high precision servo driving system and high precision valve group which provide a clean ,highly efficient coating process.High precision valve can meet different coating demands. The tiltable device ensure no dead angle for coating .The maximum coating size can reach 400mm*450mm with VCoat 900-4x.



4 Axis Selective Coating Machine VCoat 900-4x

Features :

1. 4 axis Selective Coating Machine adopt ball screw and dual linear guide rail , ensure smooth and low noise movement, +/-180 degree rotatable R axis with optional tilt device ensures no dead angle coating .
2. Solid steel platform provide a stable base for machine, reduce vibration and enhance machine running life.
3. High precision servo motor and driving system make the position repeatability can reach 0.05mm, high speed response and movement.
4. High precision valve group can meet different coating demands.
5. Step motor driven width adjustment mechanism.
6. Standard CCD and it's mark recognition function which can automatically correct the coordinate.
7. Material tank weighing system can avoid missing coating .
8. Industrial PC ,windows operation system , full english interface ,very easy to use.

4 Axis Selective Coating Machine VCoat 900-4xspecification :

4 Axis Selective Coating Machine specification :	
Model	VCoat 900-4x
Work Area	L400mm*W450mm
Axis number	X/Y/Z/R axis(+/-180 degree rotatable)
Max Work Movement Speed	Max 800mm/s
Standard Valve	Narrow spray valve ,Wide spray valve , Needle spray valve
Optional valve	Film coating valve
Valve tilting device	narrow spray valve and needle spray valve with tilt angle 35°
Max PCB Component Height	70mm
Programming	manual teaching by valve or CCD
Repeatable Accuracy	+/- 0.05mm
Conveyor Height	900mm±20mm
Conveyor direction	only left to right
Conveyor Speed	2~5M/min
Conveyor width adjustment	Motorized
Material Tank	10L
Cleaning solvent tank	2 L
CCD with fiducial mark recognition	Standard configuration
PCB clamber	Standard configuration
Material tank weighing system	Standard configuration
Exhaust air detection	Standard configuration
Power Supply	AC220V 50~60Hz
Total Power	2 KW
Air Requirement	0.4-0.6Mpa
Overall Size W*D*H	1000mm*1260mm*1600mm
Weight	850KG

4 Axis Selective Coating Machine VCoat 900-4x Valve option:

Needle Dispensing valve



Needle Dispensing valve is applied to areas where:

- 1.components are close to keep-out areas .
- 2.tall component require support.
- 3.extra glue is required.
- 4.glue is needed on the edge or under a component.

Dispensing line width:min. 1.5mm

Air pressure: 0.1-0.4Mpa

Applied to max viscosity of the glue : 500cps

Narrow spray valve



Coating thickness can be adjusted by changing air pressure and moving speed .

Coating width can be adjusted by changing air pressure.

Narrow spray valve is applied to areas where:

- 1.most of coating .

Spraying swath: 6-10mm

edge definition : 2mm

Air pressure: 0.2-0.4Mpa

Applied to max viscosity of the glue : 1000cps

4 Axis Selective Coating Machine VCoat 900-4x Valve option:

wide spray valve



Spraying swath: 15-30mm
edge definition : 3mm
Air pressure: 0.1-0.4Mpa
Applied to max viscosity of the glue : 800cps

big spray swath ,high efficiency .Coating thickness can be adjusted by changing air pressure and moving speed .

Coating width can be adjusted by changing air pressure.

wide spray valve is applied to areas where:

1.large coating area without barrier

4 Axis Selective Coating Machine Valve specification:

Valve parameter	Needle valve	Narrow spray valve	Wide spray valve
spraying swath	min dot size :1.5mm	6-10mm	15-30mm
air pressure	0.2-0.4Mpa	0.2-0.4Mpa	0.2-0.4Mpa
applied to max glue viscosity	500 cps	1000 cps	800 cps
edge definition	1 mm	2mm	3mm
applied to	1.components are close to keep-out areas .	1.atomazation film can be adjusted by air pressure and moving speed ,applied to most of product.	1.big spray swath ,high efficiency, applied to large coating area without barrier
	2.tall component require support.		
	3.extra glue is required.		
	4.glue is needed on the edge or under a component.		

Standard configuration:

- ▶ 4 Axis Selective Coating Machine VCoat 900-4x
- ▶ Industrial PC ,monitor, Keyboard,mouse .
- ▶ X/Y/Z/R 4 aix driving system .
- ▶ 3 color alarm light
- ▶ Narrow spray valve with 35 degree tilt * 1 set
- ▶ Needle valve with 35 degree tilt * 1set
- ▶ Wide spray valve * 1pcs
- ▶ CCD with fiducial mark recognition system * 1set
- ▶ PCB clamper * 1set
- ▶ 10L material tank * 1set
- ▶ 2L cleaning tank * 1set
- ▶ Exhaust air detecting system * 1pcs
- ▶ 1 year parts warranty

Optional configuration:

Optional Configurations :	
Film coating valve	1 pcs
Gule Tank mixing with vacuum	1 set