

Five-axis Selective Coating Machine OL - 450U



FEATURES

1. The whole frame is welded by sheet metal. So it has beautiful shape and stable operation.
2. Controlled by the industrial computer with the more convenient and more humanized **WINDOWSXP** operating system.
3. Either the on-line programming or off-line programming is available.
4. The function of auto accuracy calibration guarantees its perfect running precision.
5. Use the imported pneumatic components to control.
6. With the precise pressure regulating valve on the atomization adjustments, it can control the atomized airflow balanced then improve the edge definition.
7. With the unique installing method of the electric eye, it can avoid the wrong actions effectively and extend its service life.
8. With the function of auto-collecting the exhausted emissions, it protects the working environment better.
9. With the function of low pressure protect, it prevents the damages of the machine and parts caused by the low pressure effectively.
10. Equipped with connection port of auto-connect with on-line signal.
11. Pneumatic filter with the function of automatic drainage.
12. Be safer with the function of low pressure alarm.
13. The device comes with function of the UV inspection.
14. The nozzle can be 0-45 degree inclined so that to paint with no dead corner.
15. High speed, perfect mute. It can paint on the single board precisely, as well as inclined painting with no dead corner indeed (It can pain all over the board).

TECHNICAL PARAMETERS

Machine parameters	
Frame Dime L*W*H	L1300mm*W1100mm*H1700mm
Weight	760kg
Controlling parts	
Control mode	IPC+ Board
Operation mode	Computer Control
Program mode	Manual Teach
Number of Running Programs	Over 1000
PCB Conveying parts	
PCB Conveying heights	920 ± 20mm
Conveyor speed	0-3500mm/min adjustable
Conveyor direction	L-R(R-L)
conveyor motor power	AC220V 40W
Adjusting Parts	
PCB width range	50_450mm
Adjusting mode	Manual
Working parts	
Driving mode of X&Y axis	Panasonic servo motor+ high precision electric cylinder
Max running speed of X&Y axis	1500mm/s
X&Y axis positional accuracy	0.02mm
Max running speed of Z axis	1000mm/s
Driving mode of Z axis	Panasonic servo motor + high precision screw module
Z axis positional accuracy	0.02 mm
Driving mode of U axis	Driven by Panasonic servo motor+ Panasonic reducer
U axis positional accuracy	0.1*
U axis rotation angle	± 180*
Driving mode of R axis	2 5MC rotation cylinders
R axis inclination angle	0-45*
Nozzle up&down	Driven by 2 double pole cylinders
Nozzle number	2pcs(3pcs)
Nozzle type	1 Dispensing nozzle,1 fine spray nozzle (1 rough spray nozzle)
PCB Size	Max:W450mm*L450im
Height of PCB components	MAX70mm
Coating width of dispensing valve	2am min Coating width: 2am
Dispensing nozzle size	0.8nun
Edge definition	±1mm
Fine spray painting width	6-8mm Single painting width:6-8mm
Painting thickness	0.03mm-1mm
Material tank capacity	1conformal coating pressure barrel+1cleaning barrel
Cleaning function	The device comes with the cleaning function
Parameters of the controlling parts	
Lighting parts	equipped with the lighting power
Inspection parts	Equipped with the UV inspection light source
Power	AC220V
Air source	4-6kgf/cm ²
Total power	2KW
Optional items	
Barcode scanning	Optional
CCD positioning (Camera)	Optional