



# Catálogo

Four Axial Coating Machine



## Four Axial Coating Machine



CM- 460F selective surface coating equipment is a high-performance coating system, which can meet the multi-directional and multi-angle spraying process, and solve the problem of four corners It spraying of high parts. It can be suitable for the spraying requirements of various complex parts.

### Application

- Home Appliance Control Board
- Car Electronic Control Board
- Battery Protection Board
- Instrumentation Circuit Board
- Industrial Equipment Control Board
- Consumer Electronics Control Board
- Solar Panel
- Motor Control Board

### Features

1. Adopt computer + motion controller, WINDOWS operating system, fault sound and light alarm and menu display
2. The programming adopts manual teaching and can operate easily
3. Integral steel motion platform for smooth operation
4. X, Y, Z, axis motion is driven by servo motor + ball screw, and running accuracy is 0.02mm
5. With sliding rail + ball screw width adjustment mechanism to ensure that the conveying rails are parallel to each other, and auto point control which is easily to trim.
6. The transmission chain is driven by double stepper motors and has a chain guard structure.
7. Special aluminum alloy track and stainless steel conveyor chain
8. The coating valve can be selected according to the requirements, such as Dispensing valve, conical atomizing valve, fan valve, water curtain valve.
9. Equipped with a five-axis motion system with valve rotated at 360 degree and tilted freely that can realize no dead angle spraying in any corners.
10. Valve with automatic cleaning
11. It has the function of automatic reset and calibration during operation to ensure the operation accuracy;
12. Equipped with paint container, using constant current and constant pressure output to ensure uniform flow
13. Optional metering pump feeding method ensures paint delivery, and the flow rate is 100% accurate
14. Equipped with exhaust vents
15. Equipped with SMEMA interface
16. Communicate with other devices through the network port
17. The MES system can be established according to the requirements (optional)

## Parameters

Model	CM-460F	Working direction	■Left→right (standard) Right →left
Dimensions	W1000mm * L1200mm *H1700mm	Conveying height	900±20m
Weight	500kg	Transfer speed	0 -13m/min
Control method	IPC + sports card	Conveyor track	Special aluminum alloy track + stainless steel chain
Software	Sanco software+ Windows systems	AM mode	Electric AM + Ball Screw
Programmatically	Teaching / keyboard and mouse cover	AM speed	250mm/min
Number of spindles	X, Y, Z, R	PCB edge space	5mm
Spindle drive	Servo motor + ball screw	Communication port	SMEMA connector
R-axis drive	Servo motor + timing belt	Single coating width	2~30mm
Coating Area	X: 460mm Y: 460mm	Equipment air pressure	0.5 Mpa _
Rotating angle	360 degree arbitrary rotation	Exhaust air volume requirements	More than 15m <sup>3</sup> /min
Repeating Precision of R	0.01°	Input voltage	AC220V 50~60HZ
Incline angle	Less than 35 degrees	Total Power	2.2kw
Maximum movement speed	800mm/sec	Standard features	LED UV detection light
Component maximum height	Conveying surface 90mm, bottom 50mm		LED lighting
Repeatability	0.02mm		Waste liquid recovery
Number of tracks	1		Electrostatic interface

## List of main accessories

Serial number	Product name	quantity	manufacturer	brand
1	Coating valve	1	Sanco	China
2	Dispensing valve	1	Sanco	China
3	Photoelectric sensor	3	Matsushita	Japan
4	Servo motor	4	Mitsubishi /Panasonic/Nedic	Japan
5	Stepper motor	3	Leadshine	China
6	Industrial computer	1	Advantech /EVOC	China
7	LCD Monitor	1	Lenovo/AOC/dell	China
8	Motion control card	1	Z motion	China
9	Screw module	5	Hiwin	Taiwan
10	Guide Rail	6	Hiwin	Taiwan
11	The electromagnetic valve	13	SMC	Japan
12	Precision pressure regulator	2	SMC	Japan
13	Cylinder	9	AirTAC	Taiwan
14	Air source treatment components	1	AirTAC	Taiwan