

J-CAT COMET

Desktop Soldering Robot

This soldering robot is available in five work envelope sizes(200~600mm work areas). The PC software is very simple and user friendly and allows for program customization. The new robot upgrades provide for increased functions and expandability.

Improvement of Speed and Accuracy

This new robot model improves functionality, the maximum speed has been increased to 900mm/sec. The portable weight is 15kg, and the tool portable weight is 7kg(on robots with 300 stroke size or more). The accuracy of movement has been improved which allows for high precision soldering.

Support for Max 6-axes(Optional)

The previous model had a 4-axes control maximum. The new model can control an additional 2 axes, therefore 6-axes control is achievable. Part rotation or direction change is possible and solder wire supply angle can be changed to meet your application requirement. The additional 2 axes control provides for external control of a conveyor, motor or rotary table. This allows for the automation of manual tasks and minimizes operator intervention in the process.

LAN (Ethernet) Port as Standard Equipment

An Ethernet connection can send / receive teaching data via a PC interface. This improves data management backup. Connecting the PLC allows operation control of the robot. Various communication methods can be selected.



Accessories

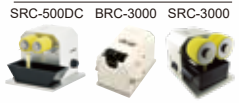
ZSB Feeder



Air Blow Cleaners



Rotary Cleaners



Fume Extractors



Nitrogen Generator



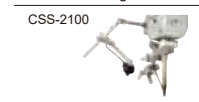
Tip Position Correction Unit



Pre-Heater



Micro Monitoring Camera



High-Quality Portable Video Recorder



Position Calibration Camera



Tip Thermometer



Type	J-CAT320COMET		J-CAT330COMET	J-CAT340COMET
Drive Method	5-phase Stepping Motor			
Encoder	4-axes Applicable			
Resolution	X, Y, Z Axes	0.01mm		
	R Axis	0.08°		
Operation Range	X, Y Axes	200×200mm	300×320mm	400×400mm
	Z Axis	50mm	100mm	150mm
	R Axis	±360°		
Portable Weight	7kg		15kg	
Maximum Speed	X, Y Axes	700mm/sec.	900mm/sec.	
	Z Axis	250mm/sec.	400mm/sec.	
	R Axis	600°/sec.	900°/sec.	
Repeatability	X, Y, Z Axes	±0.01mm		
	R Axis	±0.008°		
Teaching Method	Remote Teaching (JOG)			
	Manual Data Input (MDI)			
External Input / Output	Input : 16 Output : 16			
Program Capacity	999 program			
Memory Capacity	32,000 point			
Soldering Condition	Point acnd Slide Total; 500 Conditions			
Setting Temperature	0~500 °c			
Solder Feeding Speed	1.0~50.0mm/sec.			
Solder Feeding Amount Resolution	0.1mm			
Solder Diameter	Using ZSB Feeder	φ0.4~φ1.0mm (Option;φ0.3, 1.2, 1.6mm)		
	Using Normal Roller	φ0.3~φ1.6mm		
Heater Capacity	130W(Max)			
Air Supply	0.4~0.5MPa (Dry & Clean Air)			
Nitrogen Generator	Available (Option: APN-05)			
Display Language	English, Chinese, Korean, French, Spanish, German, Italian, Japanese, Czech, Vietnamese			
Power Source	AC94V ~ 260V (Single-phase)			
Power Consumption	366W			
Dimensions (WxDxH)	447×463×819mm	679×536×873mm	683×670×898mm	
Weight	30kg	46kg	54kg	