

J-CAT LYRA

Desktop Soldering Robot

J-CAT LYRA is a new soldering robot with significantly improved base operational features, increased usability and durability.

Advanced Temperature Settings

Iron tip temperature can be set individually for each soldering point within the same program. As a result, high-quality soldering of components with different heat capacities, reliable filling of through-hole and perfect back fillets can be achieved.

Approach Function

The approach function allows for the programming of an additional axis movement during soldering. This helps to make programming and setup faster and easier for point teaching and also saves initial setup time.

Dual Iron Units & Feeders (Option)

The high-powered controller can operate two feeder units at the same time. This provides for a reduction in cycle time by 50%. Two iron units can also be utilized as an option, which is beneficial for soldering high heat capacity components.



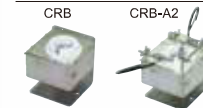
*The image is the external-switch model.

Accessories

ZSB Feeder



Air Blow Cleaners



Rotary Cleaners

SRC-500DC BRC-3000 SRC-3000



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-CAT320LYRA		J-CAT330LYRA	J-CAT340LYRA
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	300W(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	400W			
Dimensions (WxDxH)	440x453x818mm	684x600x872mm	679x660x897mm	
Weight	30kg	46kg	54kg	