

L-CAT NEO

This is the next generation robot which has all the functions necessary for selective soldering built into the machine. The L-CAT NEO has been designed for either an in-line or lean manufacturing process. A data management plan is available for PC communication, IPAD, Android and other mobile equipment.



Accessories

ZSB Feeders



Air Blow Cleaners



Sponge Cleaners



Nitrogen Generator



X-Y Position Off-set



Fume Extractors



Pre-Heaters



CCD Cameras



We have over 40 year of results and experience as a soldering robot manufacturer. Our application knowledge and customer requirements have made us stronger than our competitors.

X, Y, Z and R axes are available for easy designing of fixtures and conveyer layouts. Heavy work and long periods of work are no problem because it doesn't need to move the fixture. This is available for in-line and cell production.

Normally, soldering robots have a fixed parameter sequence so your options are limited. L-CAT NEO has a highly flexible soldering sequence that can be customized to meet the needs of your specific application. The NEO offers flexibility for customization of parameters for applications which require high thermal energy as well as fine pitch devices.

L-CAT NEO Specifications

Type	L-CAT NEO4330		L-CAT NEO4430	L-CAT NEO4530
Drive Method	Stepping Motor			
Encoder	4-axes Applicable			
Resolution	X,Y,Z Axes	0.01mm		
	R Axis	0.1°		
Operation Range	X,Y Axes	300×300mm	400×300mm	500×300mm
	Z Axis	60mm		
	R Axis	± 180°		
Portable weight	6 Kg			
Axis Speed	X,Y Axes	Max : 800mm/sec , Min : 0.1mm/sec		
	Z Axis	Max : 320mm/sec , Min : 3.2mm/sec		
	R Axis	Max : ± 800° /sec , Min : 8° /sec		
Repeatability	X,Y,Z Axes	± 0.01mm		
	R Axis	± 0.02°		
Teaching Method	Remote Teaching (JOG)			
	Manual Data Input (MDI)			
External Input / Output	Input : 39 Output : 39			
Program Capacity	512 program			
Memory Capacity	500,000 point			
Setting Temperature	0 ~ 500			
Solder Feeding Speed	1.0mm/sec ~ 50.0mm/sec			
Solder Feeding Amount Resolution	0.1mm			
Solder Diameter	Using ZSB Feeder	φ0.4~φ1.0(Option: φ0.3、1.2、1.6mm)		
	Using Normal Feeder	φ0.3~φ1.6		
Heater Capacity	130W (Option: 200W Available)			
Nitrogen Generator	Standard Equipment to Robot inside With Digital Flow meter			
Display Language	English, Chinese, Korean, Japanese			
Power Source	AC94V ~ 260V (Single Phase)			

Above specifications are the developing specification.
These may be changed without prior notice.