

# L-CAT NEO-N

## Original Gantry Type Soldering Robot

This next generation robot has all the necessary functions for selective soldering built into the machine.

The L-CAT NEO-N has been designed for either an in-line or lean manufacturing process.

It has been enhanced with a more sophisticated design and high-speed operation performance.

The built in monitor on the NEO allows for viewing the soldering process and aides in programming the application.

Robot teaching can be performed by the touch panel Teaching Pendant, a PC or an iPad. Fiducial recognition and tip position alignment can easily be added to ensure proper tip & PCB alignment. This guarantees an accurate position and ensures the highest quality soldering results.

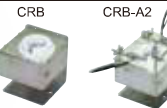


### Accessories

#### ZSB Feeder



#### Air Blow Cleaners



#### Rotary Cleaners

SRC-500DC BRC-3000 SRC-3000



#### Tip Position Correction Unit



#### Fume Extractors



VAC-4001A

VAC-4002A



#### Pre-Heater

YPH-10



#### High-Quality Portable Video Recorder

CVR-2100



#### Tip Thermometer

TTM-140

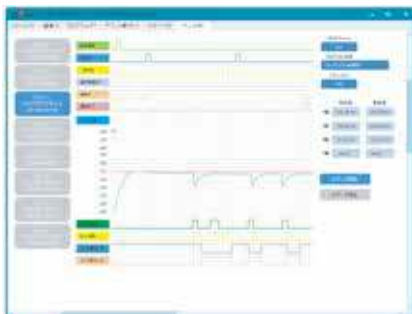


# L-CAT NEO-N

## Robot Communication – A Simple Matter of Choice & Functionality

You can choose your own device when it comes to communication & teaching of the L-CAT NEO-N, such as an iPad or PC tablet.

This capability has set a new standard for the next generation of selective soldering robots.



PC Software Screen Example

Available for Windows7, Windows8.1, & Windows10 (32 bit & 64 bit) Can manage multiple robots via Ethernet  
Robot status data-logging – saved as .CSV file type  
Teaching data editing and file transfer is very simple

iPad is a registered trademark of Apple Inc.  
Windows is a registered trademark of the Microsoft Corporation.

Type	L-CAT NEO-N4330			L-CAT NEO-N4430			L-CAT NEO-N4530				
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	80mm									
	R Axis	±180°									
Portable Weight	6kg										
Axis Speed	X,Y Axes	Max : 1200mm/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	511 programs										
Memory Capacity	500,000 point										
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 Feeder	φ0.3~φ1.6mm									
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	AC94~260V(Single Phase)										
Power Consumption	650W max										
Other	Equipped with a monitoring camera										
Dimensions (WxDxH)	690×686×800mm	790×686×800mm			890×686×800mm						
Weight	90kg	95kg			100kg						