

Iron tip Soldering Robot

In-Line type



LYRA II & JS-3 controller

Comprehensive & straightforward teaching

Uses interactive teaching, which has been well received even on the desktop type. PC software can now be operated intuitively. Data management becomes even easier when there are many soldering points or programs.

The iron tip angle can be adjusted (optional)

By combining the iron unit with a motor, the iron unit can be changed to any angle.

The coordinates of the iron insertion angle can be registered for each point.

This eliminates the risk of interference between the iron tip and peripheral parts, and allows the iron tip to reach the point with high accuracy. (Refer to P10: ARC-5000)

Common features of LYRA II controller

Approach function / angle retract function

You can move the iron tip closer to the coordinates of the soldering point at the set speed from any approach point. Similarly, after soldering, you can move the iron tip to any safe location.

It reduces the risk of damaging pins, which may occur due to unstable pin position. It also prevents interference with peripheral parts.

Type		JS-330LYRA II	JS-340LYRA II	JS-350LYRA II
Arm Length	Maximum(J1+J2)	350mm	450mm	550mm
	J1 axis	125mm	225mm	325mm
	J2 axis		225mm	
Operation Range	J1 axis		340(±170)°	
	J2 axis		290(±145)°	
	J3 axis		200mm	
	J4 axis		720(±360)°	
Maximum Speed	Combined(J1+J2+J4)	6,900mm/sec	7,600mm/sec	8,300mm/sec
	J3 axis		2,080mm/sec	
	J4 axis		2,500°/sec	
Portable Weight		Maximum 6kg (Rating 3kg)		
Repeatability*	Combined(J1+J2)	±0.010mm		±0.012mm
Weight of Robot		36kg		37kg
Control Method		PTP (Point to Point) / CP (Continuous Path)		
Interpolation		3-dimensional linear and arc interpolation		
Teaching Method		Remote Teaching (JOG), Manual Data Input (MDI), Direct Teaching		
Teaching Pattern		Direct teaching using optional Teaching Pendant II		
		Offline teaching using optional JR C-Points II PC Software		
Program Capacity		999 programs		
Memory Capacity		32,000 point		
Simple PLC Function		1,000 Steps		
External Input / Output		LAN・I/O-SYS (15 Inputs / 14 Outputs)・I/O-S・COM1・I/O-MT (Option)・ Fieldbus (CC-Link・DeviceNet・PROFIBUS・PROFINET・CANopen・Ethernet/IP Option)		
Power Source		AC200 ~ 240V(Single Phase)		
Power Consumption		1,850W		

* Position repeatability is not a guarantee of absolute precision. With usage conditions, it may exceed the above value.