

3、 S3030 –PBT-4 series soldering robot major technical parameter 2.1-2:

S3030 –PBT-4 Major technical parameter		
Rack(4 axis manipulator) rack (four-axis linkage manipulator)	Step motor driver, PLC and teach controller	
	Dimension: 655mm×750 (+101) mm×775mm	
X、 Y axis moving range	X=300mm, Y=300mm	
Z、 R axis moving range	Z=100mm, R=340°	
Movement high-speed	X、 Y axis	500mm/sec
	Z axis	300mm/sec
	R axis	600°/sec
Program soldering qty	625 soldering points	
Procedure volume	300pcs procedure (can be extensible)	
Positioning accuracy	X、 Y、 Z axis: -0.03~+0.02mm R axis: -0.03~+0.02°	
Repeatability precision	X、 Y、 Z axis: ±0.01mm R axis: ±0.01°	
Power (Max)	350W/300 W	
Solder wire Dia. range	Φ0.3~Φ1.6mm	
Soldering parameter	124 groups (point soldering 88 groups, slide soldering 28 points, cleaning 8 groups)	
Temperature setting range	Normal temperature~500℃	
Temperature controller precision	±1℃	
Solder wire conveyer	can be adjustment, controlled by precision screws	
Soldering device maximum height	75mm	
Enable jig weight	≤6Kg	
Enable jig weight (include product size)	30~65mm	
Enable jig dimension	≤280(X axis direction) *280mm(Y axis direction)	
The jig mounting hole dimension	8— M4*0.7 screw hole, Distance between hole: 40*40mm 90*40mm (Symmetry spread from center line)	
The jig location hole dimension	2-φ6.0mm dowel hole Distance between hole: 60mm (Symmetry spread from center line)	
The machine weight	About 85Kg	

Form 2.1-2: S3030 –PBT-4 soldering robot main parameter