

3-Axis Quad Soldering Iron Auto Soldering Machine

BRAND: ATOM Model: STI441Q

Features:



- High power soldering station with fast heat recover to ensure the stability of continuous solder
- Automatic cleaning system for soldering iron tip to enhance production efficiency
- I/O interface provided for external input and output control
- Optional visual position identification system to solve the jig and product position consistency problem
- Optional safety grating and guard to ensure operator safety

Main Technical Parameters:

Model	STI441Q	
Motor type used	Stepper	
Machine Operation Voltage (V ac)	100 ~ 240	
Soldering Station Power (watt)	200	
Soldering Station Temperature Range (°C)	50 ~ 500 (Selection range)	
Control Axis	3	
Soldering head (iron)	4	
Movement Range	X-axis (mm)	400
	Y-axis (mm)	400
	Z-axis (mm)	100
Speed Range	X-axis (mm/sec)	0.1 ~ 800
	Y-axis (mm/sec)	0.1 ~ 800
	Z-axis (mm/sec)	0.1 ~ 300
Position Repeatable Accuracy	X-axis (mm)	±0.02
	Y-axis (mm)	
	Z-axis (mm)	
Resolution	X-axis (mm)	±0.01
	Y-axis (mm)	
	Z-axis (mm)	
Load Weight	Table (kg)	8
	Head (kg)	5
Program setting method	Point to point teaching (PTP)	
Teaching Pendant File Capacity	Up to 999 files or Single file up to 60000 points	
Processing File Capacity	Up to 255 files or each file 2M bytes	
Applicable Solder Wire Diameter (mm)	0.3, 0.5, 0.6, 0.8, 1.0, 1.2	
Environmental Conditions	Temperature (°C)	0~40
	Humidity (%)	20~90 (no condensing)
Teaching Pendant model	9011D	
Self-Feeder Soldering station model	262 x 4 units	
Soldering Iron type	9018M x 4 pcs	
Solder wire feeder type	V-cutter x 4 units	

Note: The movement range could be customized as per requirement