





## 4-Axis Single Iron In-line Type Robot Soldering Machine

**Brand: ATOM**

**Model: SIL441R**

### 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
- Safety guard door.
- Auto smoke vacuum system.
- Operation indication tower light.
- Windows base operation teaching programmable software.
- Optional Visual fiducial alignment system.
- Optional N2 Generator.
- Optional 2D Barcode scanner.
- Optional Tip position corrective device after replace tip.

### Main Technical Parameters:

Brand	<b>ATOM</b>	
Model	SIL441R	
Motor type used for X&Y axis	Servo	
Machine Operation Voltage (V ac)	100 ~ 240	
Soldering Station Power (watt)	200	
Soldering Station Temperature Range (°C)	50 ~ 500 (Selection range)	
Control Axis	4	
Movement Range	X-axis (mm)	400
	Y-axis (mm)	400
	Z-axis (mm)	100
	R-axis (°)	300
Speed Range	X-axis (mm/sec)	0.1 ~ 300
	Y-axis (mm/sec)	0.1 ~ 300
	Z-axis (mm/sec)	0.1 ~ 300
	R-axis (°)	0.1 ~ 300
Position Repeatable Accuracy	X-axis (mm)	±0.02
	Y-axis (mm)	
	Z-axis (mm)	
	R-axis (°)	
Resolution	X-axis (mm)	±0.01
	Y-axis (mm)	
	Z-axis (mm)	
	R-axis (°)	
Program setting method	Point to point teaching (PTP)	
Windows Base Teaching 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	
Environmental Conditions	Temperature (°C)	0~40
	Humidity (%)	20~90 (no condensing)
Self-Feeder Soldering station model	378HA	
Soldering Iron type	9018BTM	
Solder wire feeder type	371N	

**Note:** The movement range could be customized as per requirement