

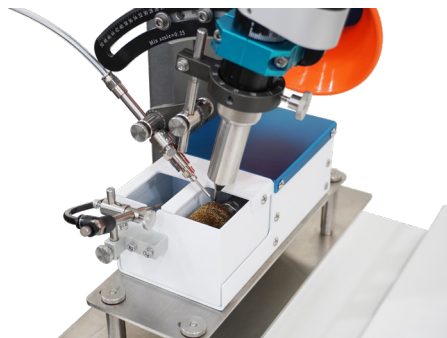
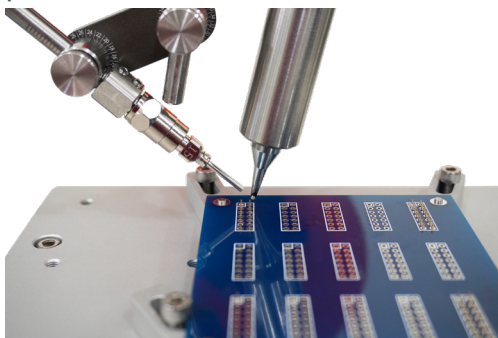
# F6000N-SR Series Soldering Robot

The F6000N-SR series 4-axis soldering robots are an all-in-one effective solution for precision iron tip soldering applications in the electronics industry.

Their cantilever design provides an open access workspace with all the axes above the work area, making it ideal for integrating into conveyor fed in-line applications.

A wide range of precise specially designed quick connect solder tips are available allowing the 200W soldering iron to be tailored to the specific soldering application process.

A fully integrated temperature controller, cleaning station, solder wire feeder and remote operation box are included for increased productivity and performance.



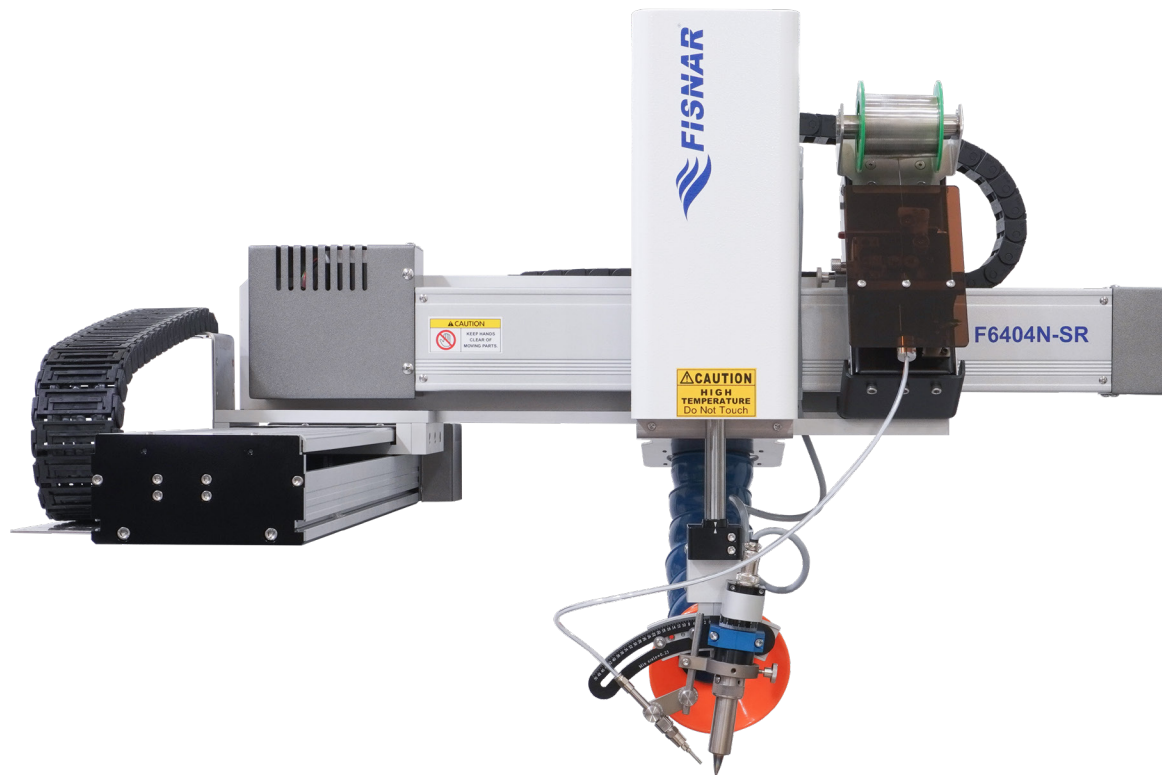
## Features

- Working area up to 365 x 400mm
- Axis repeatability +/- 0.02mm
- Adjustable Angle soldering iron and wire feed bracket assembly
- Versatile range of quick connect solder tips
- Floating tool head
- 200W Soldering Iron with digital temperature control unit
- Solder wire feeder (0.5mm - 1.2mm)
- Solder tip cleaning Station
- Remote operation box
- Intuitive teach pendant controlled software
- Nitrogen generator and USB camera & display monitor (sold separately)

## Benefits

- Poka-Yoke designed soldering tips can be quickly and easily changed without mistake
- Sleep Mode function on Digital temperature control unit, switches off heat supply to maximise solder
- Position of Solder wire outlet to tip can be easily adjusted to optimise quality of the solder joint
- Solder Wire Feeder is able to detect broken wire or end of reel.
- Cleaning station is fitted with a rotating brass brush and air blower to maintain process quality and maximize life of the solder tip.
- Floating tool head design prevents accidental damage to soldering tip.

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## Specification

Item Number	F6304N-SR	F6404N-SR
Working Area X/Y/Z/R	265 x 300 x 100mm x +/- 360 deg	365 x 400 x 100mm x +/- 360 deg
Max Speed (X&Y/Z/R)	600mm / 320mm / 720deg / sec	
Repeatability	+/- 0.02mm	
Drive System	3-Phase Micro Stepping Motor	
Max Soldering Temperature	460C	
Soldering Iron Power	200W	
Solder Wire Size	0.5 - 1.2mm	
Data Memory	1-100 programs / 9,999 points per program	
Data Storage	CF Card / USB	
Air Supply	Max 100 psi (6.9 Bar)	
Power Supply	Auto-switching 100-230VAC, 450W	
Dimensions (W/D/H)	734 x 630 x 388mm	834 x 730 x 388mm
Weight	48 kg	50 kg
Approvals	RoHS, WEE	

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