

Assembly Solutions

DESKTOP ROBOT... with Contact, Microflame or Laser Soldering

Fancort offers bench top programmable soldering systems with point to point or line soldering for automatic difficult soldering operations that require extreme precision and high throughput.



Robot & Soldering Features

Contact Soldering Features:

- Simple programming of all soldering conditions
- Store up to seven soldering profiles
- Handle solder temperatures to 500°C
- Consistent flux coverage with patented solder wire feed system that pierces the wire as it feeds
- Precisely feeds solder wire from .4mm to 1.6mm diameter
- Repeatable accuracy of + / - 0.01mm
- High-speed three and four axis robots from 200mm x 200mm to 510mm x 510mm
- Recovers temperature quickly with precision built-in thermocouple
- Excess solder blow-off receptacle
- Fancort can design and build fixturing for any application
- Optional fume extraction, light curtain, or enclosure
- Optional nitrogen generator for lead-free applications
- Optional SCARA robots for in-line applications

Optional Soldering Solutions

Fancort robotic soldering solutions include two methods of non-contact soldering for applications where contact soldering is not suitable. These include laser soldering using a UNIX soldering system, and microflame soldering with Spirflame® technology. The laser system incorporates a 30W laser diode system with a built-in CCD camera for extremely accurate soldering of small points of contact. Microflame soldering using Spirflame® technology produces a flame up to 3300°C for applications requiring a large amount of heat, very fine points of contact, or very fast cycle time. Fancort can integrate soldering systems into a desktop robot, a SCARA robot, or a custom system. Contact us today to discuss your application.



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