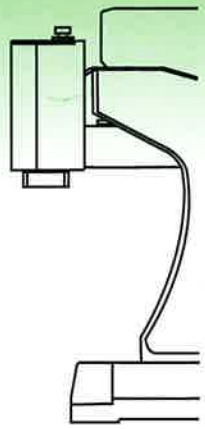


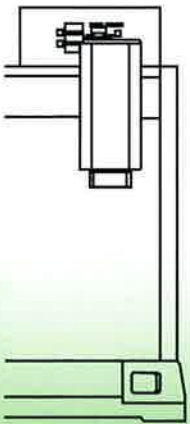
Product Catalog



Setting the Industrial Standard



2009



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● Trade Items:

Soldering Robot, Laser Soldering Robot
 Automatic soldering equipment
 Soldering unit, Laser measuring equipment
 Various custom made automatic soldering systems

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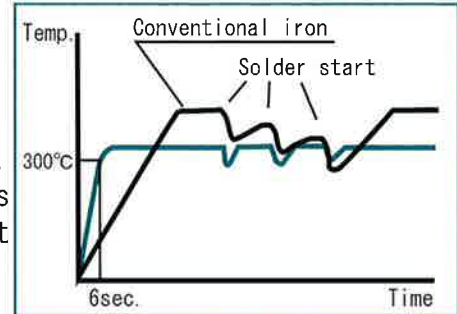
Apollo Seiko's Exclusive Technical Advantages

The technology to provide the best solution for lead free soldering.

1. Quick temperature recovery direct heating method DC iron unit

Designed to meet Lead free soldering requirements.

- ☆ As high precision thermocouple is built-in to the Apex of the iron tip, minimal temperature drop can be detected and recovered very quickly.
- ☆ Reaching a solderable 300°C within 6 seconds.
- ☆ The quick change cartridge type iron provides for consistent location and height adjustment with each tip change.
- ☆ Many types of tips are in stock to meet your application challenge and requirements.



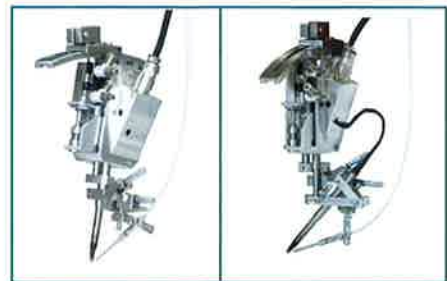
2. Zero Solder Ball Feeder-ZSB Geyan

- ☆ The built-in roulette cutting blade makes evenly spaced holes while precisely feeding solder wire. During soldering, flux fumes can "Out-Gas" through these holes. This provides consistent flux coverage without spattering and allow solder to melt on a clean, active surface. Flux & solder balls will not migrate to sensitive components.



3. Second solder feeding position adjustable RSP and RSL iron units

- ☆ The second solder wire feeding position for the iron tip can be set adjusting the stoppers up/down position. The first solder for wetting can be inserted between the tip and solder pattern using this function. This set-up achieves optimal heat transfer and activates flux more efficiently. The solder wire feeding position can also be precisely set by adjusting the set screw. The RSP and RSL are designed for automatic soldering.



4. N2 Gas direct flow-through iron cartridge with miniature N2 generator

- ☆ The integral N2 nozzle built into the solder tip creates an effective pre-heated N2 stream. As a result, excellent solder quality can be achieved with a minimal amount of nitrogen gas. This technology is very effective and ideal for lead free soldering as the soldering temperature can be reduced due to the pre-heated N2 gas. Our custom designed unit provides for a compact solution for N2 assistance soldering.



For EVO series

For J-CAT series

Robotic Soldering, Automatic Soldering

Many of our systems are utilized for soldering temperature sensitive components after SMT, such as wire harness, cable, connectors, LED's and discrete parts etc..



Clutch Assembly



Switch



Ceramic PCB



FR-4 Lead Frame



GPS wire/PCB

SMT high power
LED

Molded Part



Wire/PCB



90deg. Lap Joint



Flex Circuit

DLC 0.6mm Pitch
Point Solder

Socket

Connector
Slide Solder

Switch to PCB



Connector



Connector



Flat Cable



Electronic Part



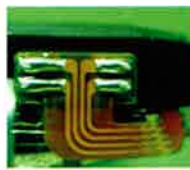
Header Pin



Wire to Flex



BZ Connector

FPC Slide
SolderFTC Point
Solder

LCD Slide

LCD
Cell Phone