

New universal automatic soldering module

USP5

A simple yet high-performance robotic module which enables automatization of soldering process by anyone, anywhere



Standard configuration



With a simple program that anyone can set up

Soldering controller

- Easy operation with touch panel style and simple condition set-up with Microsoft Excel.
- Up to 255 soldering conditions can be registered.
- Supports various voltages and multiple languages for global production.



Highly rigid, ideal for automation

Soldering head

- Equipped with new model of 250W heater.
- Achieves high power with separate tip and heater.
- Easy to replace tip and heater.

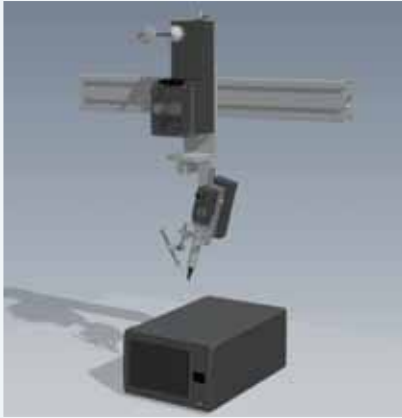


High-precision error detection function

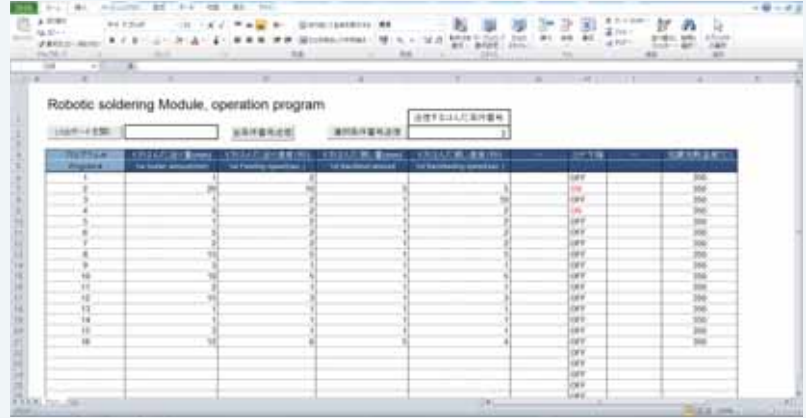
Solder feeder

- Equipped with a detection function based on an encoder system.
- High-precision solder feed accuracy with countermeasures against slipping, jamming, and supply quantity errors.

Images of installation



Easy program operation with Microsoft Excel



Specifications

Number of soldering conditions	255 conditions	Monitor function	Input, output, sensor, ready, counter value
Detail of soldering conditions	1st to 4th solder feed	External I / O	Sink / source selection (factory setting)
	1st to 4th timer		Input: Start, stop, tip drop, solder feed
	Tip Down: ON / OFF		Sleep mode, heater ON, error reset
	Tip Up/Down sensor: Enable / Disable		8-bit solder condition input
Solder feeding controller	Solder feeding motor: 2-phase	External I / O	Output: during operation, ready, solder alarm
	Solder error detection: by an encoder system		Heater alarm, shift output
Number of heater controllers	1 circuit	Languages	Automatic mode, during tip down
Heater types	200W: Cross heater		Japanese, English, Chinese
	250W: Cross heater L · Cross heater LS	Power supply	AC100V 50/60Hz
Heater temperature setting range	200-450°C		AC110-120V 50/60Hz
Sleep temperature setting range	150-250°C	AC220-230V 50/60Hz	External dimensions (mm)
Operation panel	3.7" type monochrome touch panel	Approx. 170 (W) × 260 (D) × 120 (H) (controller only)	

· For details, please contact your sales representative.

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• This catalog reflect the products as of February 2015. The product appearance and specifications can change without notice.
• Be sure to carefully read the operating instructions included with the product before use.

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