

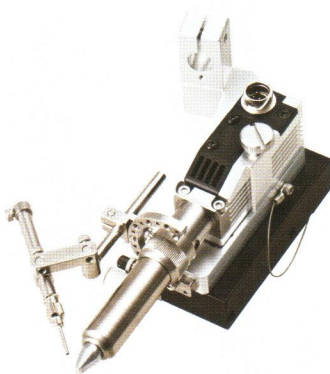
New universal automatic soldering module

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

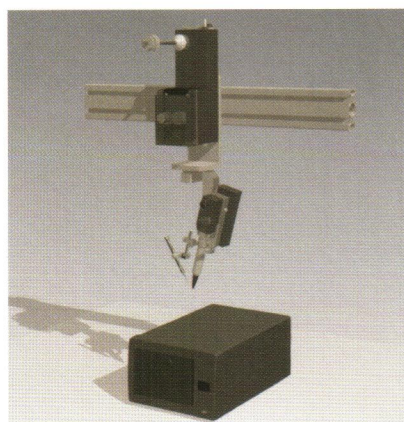
- Equipped with new model of 250W heater.
- Achieves high power with separate tip and heater.
- Easy to replace tip and heater.

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

Program	1st Solder amount (mm)	1st Feeding speed (mm/s)	1st Backfeed amount (mm)	1st Backfeeding speed (mm/s)	Tip Down	Heater ON/OFF
1	1	2	1	1	OFF	350
2	20	10	5	5	ON	350
3	1	2	1	1	OFF	350
4	5	2	1	2	ON	350
5	1	2	1	2	OFF	350
6	5	2	1	2	OFF	350
7	2	2	1	2	OFF	350
8	15	5	1	5	OFF	350
9	3	1	1	1	OFF	350
10	10	5	1	5	OFF	350
11	2	1	1	1	OFF	350
12	15	3	1	3	OFF	350
13	1	1	1	1	OFF	350
14	1	1	1	1	OFF	350
15	3	1	1	1	OFF	350
16	12	6	5	4	OFF	350

Specifications

Number of soldering conditions	255 conditions
Detail of soldering conditions	1st to 4th solder feed 1st to 4th timer Tip Down: ON / OFF Tip Up/Down sensor: Enable / Disable
Solder feeding controller	Solder feeding motor: 2-phase Solder error detection: by an encoder system
Number of heater controllers	1 circuit
Heater types	200W: Cross heater 250W: Cross heater L · Cross heater LS
Heater temperature setting range	200-450°C
Sleep temperature setting range	150-250°C
Operation panel	3.7" type monochrome touch panel

• For details, please contact your sales representative.

Monitor function	Input, output, sensor, ready, counter value
External I / O	Sink / source selection (factory setting) Input: Start, stop, tip drop, solder feed Sleep mode, heater ON, error reset 8-bit solder condition input Output: during operation, ready, solder alarm Heater alarm, shift output Automatic mode, during tip down * External I / O: 24V external supply
Languages	Japanese, English, Chinese
Power supply	AC100V 50/60Hz AC110-120V 50/60Hz AC220-230V 50/60Hz
External dimensions (mm)	Approx. 170 (W) × 260 (D) × 120 (H) (controller only)

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