

www.japanunix.com



JAPAN UNIX CO., LTD. <http://www.japanunix.com>

Headquarters | 2-21-25 Akasaka, Minato-ku, Tokyo 107-0052
Tel. +81-3-3588-0551 Fax. +81-3-3588-0554

•Korea Office •Shanghai Office •Shenzhen Office •Taiwan Office •Malaysia Office •Mexico Office

• This catalog reflect the products as of March 2016. The product appearance and specifications can change without notice.
• Be sure to carefully read the operating instructions included with the product before use.

Inquiry No.C00368
Printed in Japan 16031000 (Y-BASIS)

Simple System – Low Cost, Simple Soldering Robotization

USP5

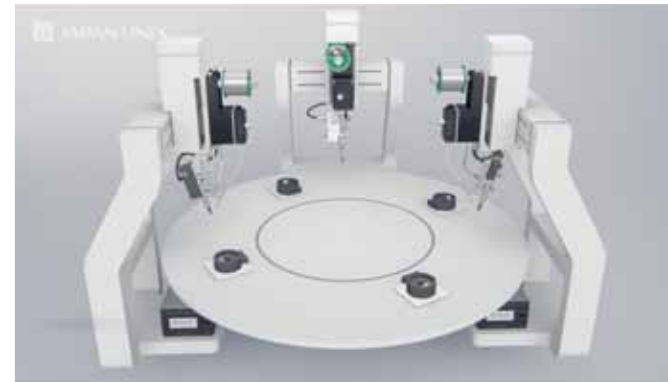
USP5

Our soldering module that allow you to introduce the soldering expertise by Japan Unix to your current robots easily and at low cost.

Simple configuration that can be built into a variety of production lines.



Inline



Rotary Table

New heater with improved sensor for soldering tip temperature.

- Equipped with new 250W heater.
- Achieving the ideal temperature profile with superior sensing.
- Separation of the heater and soldering tip brings easy maintenance.

High-precision solder feeder due to positioning of the encoder.

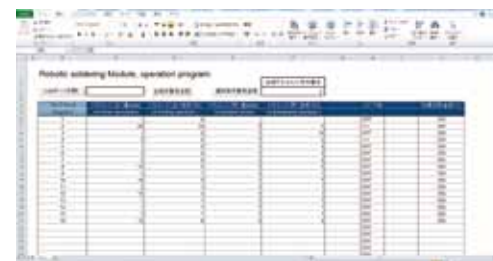
- Achieving highly precise solder feed control with an encoder fitted after the solder feeder roller.
- Can be equipped with a clean cut (feeder) to reduce flux spattering. (optional)

Connect to (external) devices using the communication port to monitor operational status.

- Operational status and temperature can be output externally, allowing data to be utilized.

Program setting and management become easy due to data export to Microsoft Excel.

- Data output, program setting & editing becomes simple with using the Microsoft Excel.
- Data management becomes simple with the use of PC and multiple device setting becomes integrated to carry out at once.



Standard configuration



Soldering controller

- Up to 255 soldering conditions can be registered.
- Global specification allows multiple voltages and multi-lingual configuration (English, German, Spanish, Chinese, Korean, Japanese).



Soldering head

- Equipped with new model of 250W heater.
- Superior sensing and easy maintenance.



Solder feeder

- Fitted with an encoder.
- Enhanced detection function prevents "slippage", "jamming" and "running out".

Specifications

Number of soldering conditions	255 conditions	External I / O	Sink / source selection (factory setting)
Detail of soldering conditions	1st to 4th solder feed		Input: Start, stop, tip drop, solder feed
	1st to 4th timer		Sleep mode, heater ON, error reset
	Tip Down: ON / OFF	8-bit solder condition input	
Solder feeding controller	Tip Up/Down sensor: Enable / Disable	Output: during operation, ready, solder alarm	Heater alarm, shift output
	Solder feeding motor: 2-phase	Automatic mode, during tip down	* External I / O: 24V external supply
Solder error detection: by an encoder system		Languages	English, German, Spanish, Chinese (simplified/traditional), Korean, Japanese
Number of heater controllers	1 circuit	Power supply	AC100V 50/60Hz AC110-120V 50/60Hz AC220-230V 50/60Hz
Heater types	200W: Cross heater 250W: Cross heater L · Cross heater LS	Power consumption	260VA
Heater temperature setting range	200-450°C	External dimensions (mm)	Approx. 170 (W) × 260 (D) × 120 (H) (controller only / excluding protrusions)
Sleep temperature setting range	150-250°C	Weight	AC100V: 2.5kg AC110-120V: 5.0kg AC220-230V: 5.0kg
Operation panel	3.7" type monochrome touch panel		
Monitor function	Input, output, sensor, ready, counter value		
Operating conditions	Environmental temperature: 10-40°C Relative humidity: 45-85%PH		

* For details, please contact your sales representative.