		UNIX-GF4S	UNIX-GF3L
Soldering methods		Contact (Iron tip)	Laser
Number of axes		4 standard axes, 2 additional axes (optional)	3 standard axes, 2 additional axes (optional)
Range of movement	X-axis	300/400/500/600 mm	
	Y-axis	300/400/500 mm	
	Z-axis	100 mm	
	R-axis	±360°	—
Maximum speed ※1 (PTP)	X-axis, Y-axis	500 mm/sec	
	Z-axis	400 mm/sec	
	R-axis	900 deg/sec	—
Drive method		Stepping motor drive	
Program capacity		Maximum 999 programs	
Number of soldering conditions		255 conditions	63 conditions
Applicable solder diameter ※2		φ0.3 ～ 1.2 (Standard) φ0.5 ～ 1.0 (Clean Cut Type)	φ0.2 ～ 0.6、φ0.8 (UPM-052)
Power supply (voltage) ※3※4		Single phase AC 100-120V / AC 220-240V, 50/60 Hz + External DC 48V (depending on equipment supply)	
Power consumption ※5		450W (AC power supply) 300W (DC48V power supply for drive)	200W (AC power supply) 440W (DC48V power supply for drive)
Air		Dry air, 0.5MPa (max), φ6 joint	
Operating conditions		Temperture : 5-40℃ Humidity : 45-85% (non-condensing)	
External dimensions (Excluding cables and protrusions) (W×D×H)	Robot body (Excluding head)	Stroke (Y-axis)+693.1× Stroke (X-axis)+369.9×467.5 mm	Stroke (Y-axis)+693.1× Stroke (X-axis)+369.9×477.0 mm
	Robot controller	170×360×330 mm	
	Soldering controller	148×320×136 mm	
Weight	Robot body	Maximum 36.8 kg (depending on stroke)	Maximum 35.1 kg (depending on stroke)
	Robot controller	8.0 kg	
	Soldering controller	3.8 kg	

※1: Maximum speed varies depending on conditions.
※2: It may not be possible to use the applied solder diameter depending on the manufacturer and materials used, so it is strongly recommended that this is tested in advance.
※3: When using AC 220-240 V power-supply voltage, it is necessary to connect the optional power supply unit ASSY.
※4: For the motor drive power supply, in the 3-axis specification DC 48V is supplied externally. With the 4-axis specification, DC 48V is supplied externally (X/Y axes) and DC 24V is supplied from inside the controller (Z/R axes).
※5: Power consumption is for the robot unit only. For the laser unit, please check the power consumption in the separate specification sheet, etc.

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 •U.S.A Office

Inquiry No.C00458
Printed in Japan 19020500 (G-BASIS)

JAPAN UNIX

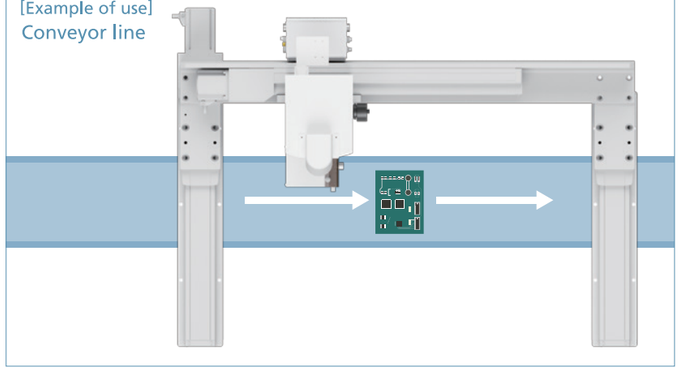
SOLDER MEISTER®

Gantry Soldering Platform GF series

Evolving into a flexible gantry platform while keeping the usability of the best-selling tabletop robot!

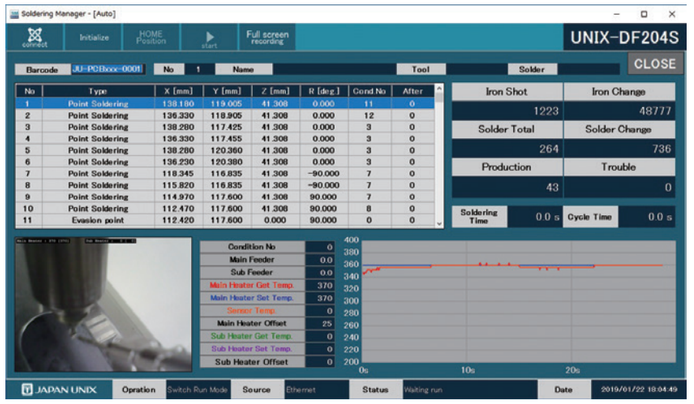
Gantry Soldering System UNIX-GF4S CONTACT

[Example of use]
Conveyor line



MER ITS

- Equipped with 4-axis/3 -axis orthogonal robot
- Integrated an user-friendly teaching program specifically designed for soldering
- Supports both iron soldering and laser soldering methods
- Numerous options, includ ing changing shaft length, image processing, ther mometer, and QR scanner
- Up to 2 additional axes can be added (option)
- Teaching, monitoring, and ope ration log saving are possible with the Soldering Manager PC software



Soldering Manager

Gantry Laser Soldering System UNIX-GF3L LASER

[Example of use]
Dual stage