Reliable and efficient changeover

FUJI *innovative spirit*
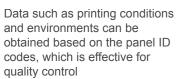
Various support software available
*Option

Equipped with a verification function for solder, squeegees, and masks

Prevents defects due to mistakes setting materials

SPI machine closed loop system maintains quality

Production programs are automatically changed by simply scanning barcodes

Data such as printing conditions and environments can be obtained based on the panel ID codes, which is effective for quality control

Cup type auto solder supply
*Option

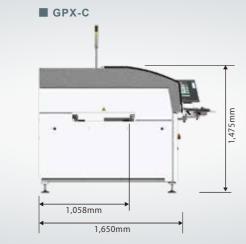Checks solder roll diameter and automatically supplies solder when needed

Always prints with perfect solder volume

Achieves reduction of solder usage as well as high quality printing

Performs work without mistakes in a short time by using a solder cup

GPX-C
GPX-CS

Intelligent Screen Printer

GPX-C — 1,220mm, 1,058mm, 1,650mm, 1,475mm

GPX-CS — 788mm, 1,380mm, 1,475mm

Specifications	GPX-C	GPX-CS
Repeated alignment accuracy *1	12.0 µm @ 6 σ (Cpk ≥ 2)	
Printing accuracy *2	20.0 µm @ 6 σ (Cpk ≥ 2)	
Printing speed	1 to 200 mm / seconds	
Printing pressure control	10 N to 250 N (Automatic control)	
Squeegee type	Double squeegee	
Applicable panel sizes (L x W)	48x 48 mm to 610 x 610 mm	48x 48 mm to 610 x 380 mm
Panel loading time *3	7.5 seconds	7.2 seconds
Screen frame (L x W) *4	750 x 750 mm, 750 x 864 mm, 650 x 550 mm, 29 x 29 inch	750 x 750 mm, 650 x 550 mm, 29 x 29 inch
Machine dimensions (L x W x H)	1,220 x 1,650 x 1,475 mm	1,220 x 1,380 x 1,475 mm

*1 Measured under conditions at Fuji.
*2 Measured under conditions at Fuji.(Using CeTaQ's measurement system)
*3 Includes panel loading/unloading, mark reading, and screen correction
*4 Width can be adjusted by the millimeter from 550 to 750

Options

- Automatic solder supply unit   - Local verification   - Panel vacuum   - Mask frame adapter   - SPI feedback system
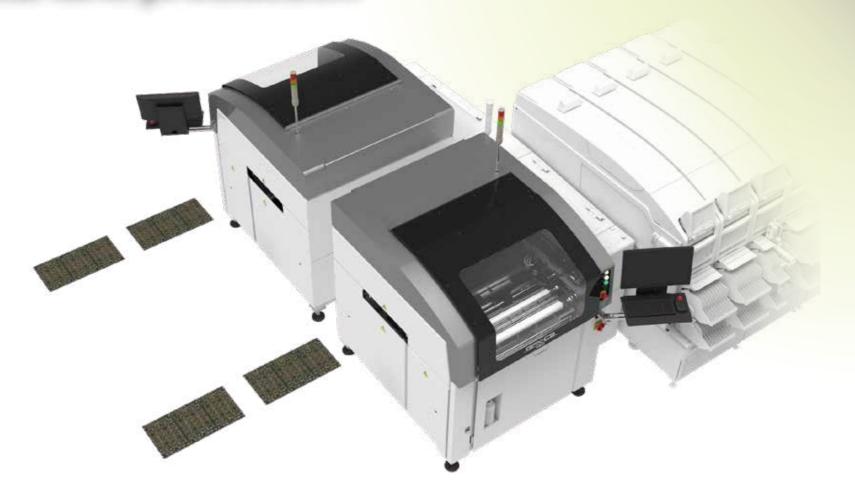
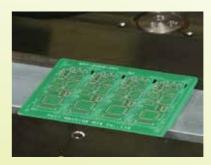# Large panel production GPX-C

Dual lane production GPX-CS

Keeps positioning accuracy ±12 μm (6σ)

Consistent highly rigid machine design from the base to printing section enables high accuracy printing for any task - from ultra fine patterns (0201 [008004"] parts) to the printing of large panels - and the durability to maintain printing quality.

Clamping mechanism supports various types of panels
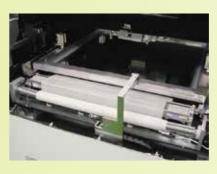

Side clamping to print to the edge of a panel

Top clamping for very thin panels and downward warped panels (switch to side clamping easily)

Vacuum clamping for upward warped panels

Multiple clamping methods are prepared to support various types of panels
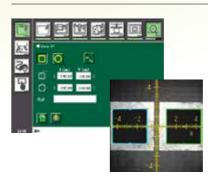
Minimizes maintenance

Solder supply and cleaning can be automated and the machine was designed with work efficiency in mind, which reducing the load on operators and minimizing the work time for changeover and maintenance with efficient work.

New operators can be trained quickly

Icons and a layout based on procedures is used, which provides intuitive operation that operators can easily understand and reduces training time. With this, new operators can be trained quickly.

Checks printed conditions using 2D solder inspection *

2D solder inspection (Searchlight)

Inspects printed solder using the mark reading camera

Prevents defects from being sent to the next stage

* This is a simplified inspection function.