Reliable and efficient changeover

FUJI innovative spirit
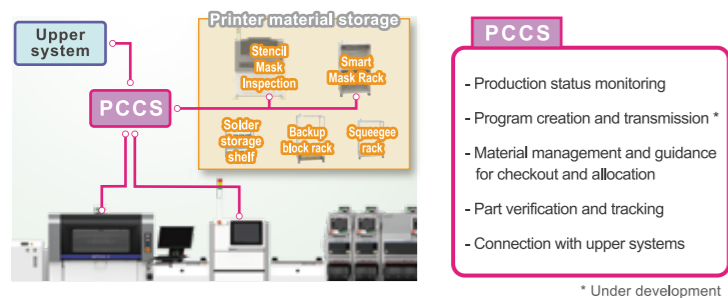
▶▶ Various support software available

Option

The Printer Central Control System comprehensively collects and manages the necessary production information.
Production is monitored in real time, making it possible to predict the replacement timing for materials and consumable parts. Production programs can be created and transmitted offline, and the system issues guidance for batch checkout and allocation of materials during changeover.

Upper system

Printer material storage
- Stencil Mask Inspection
- Smart Mask Rack
- Solder storage shelf
- Backup block rack
- Squeegee rack

PCCS

PCCS
- Production status monitoring
- Program creation and transmission *
- Material management and guidance for checkout and allocation
- Part verification and tracking
- Connection with upper systems

* Under development

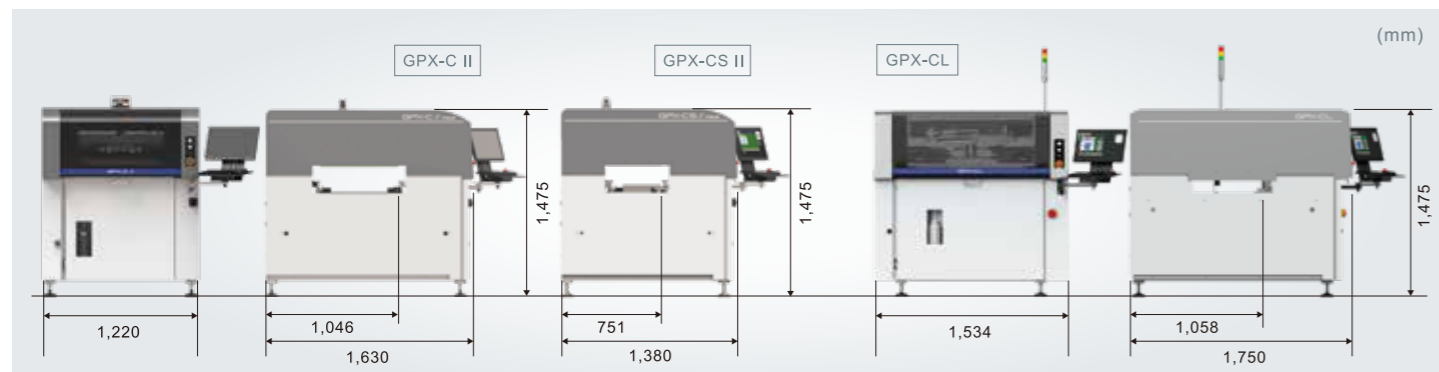## ▶▶ Cup type auto solder supply

Option

The amount of solder is detected, and solder is automatically supplied when necessary. This makes it possible to always print with the appropriate amount of solder, for stable print quality. Work can be completed without mistakes in a short time by using a solder cup as is.

■ External dimensions

(mm)

| GPX-C II | GPX-CS II | GPX-CL |

1,475 | 1,475 | 1,475

1,220 | 1,046 | 751 | 1,534 | 1,058
1,630 | 1,380 | 1,750

■ Specifications

Machine	GPX-C II	GPX-CS II	GPX-CL
Panel size (L x W)	48 x 48 mm to 610 x 610 mm	48 x 48 mm to 610 x 380 mm	80 x 80 mm to 850 x 610 mm
Printing speed	1 to 200 mm/sec		
Repeated alignment accuracy *1	±0.010 mm Cpk ≥ 2.0 (6σ)		±0.012 mm Cpk ≥ 2.0 (6σ)
Printing accuracy *1	±0.018 mm Cpk ≥ 2.0 (6σ)		±0.020 mm Cpk ≥ 2.0 (6σ)
Panel loading time *2	6.0 seconds		10.0 seconds
Printing pressure control	10 to 250N (Automatic control)		10 to 430N (Automatic control)
Screen frame (L x W)	750 x 750 mm, 750 x 864 mm, 29 x 29 inch, Adjustable (550 to 750 mm) *3	750 x 750 mm, 29 x 29 inch, Adjustable (550 to 750 mm) *3	1,050 x 864 mm, Adjustable (29 x 29 inch to 1,050 x 864 mm) *3
Squeegee operation	Double squeegee		
Power	Single phase AC220 V ±10% (50/60 Hz)		
Air	0.4 to 0.6 MPa		
Air consumption	50 L/min (ANR)		
Weight	1,300 kg	1,250 kg	1,450 kg

*1 Measured under conditions at Fuji.   *2 Includes panel loading/unloading, mark reading, and screen correction.   *3 This is an option.

Options
- Automatic supply of cup or syringe supplied solder   - Hybrid clamping *1   - Panel vacuum clamp   - Mask frame holder adapter
- SPI Closed Loop   - Quick setup tool   - Internal temperature control   - Searchlight   - Local verification

*1 This is an option on GPX-C II and GPX-CS II.

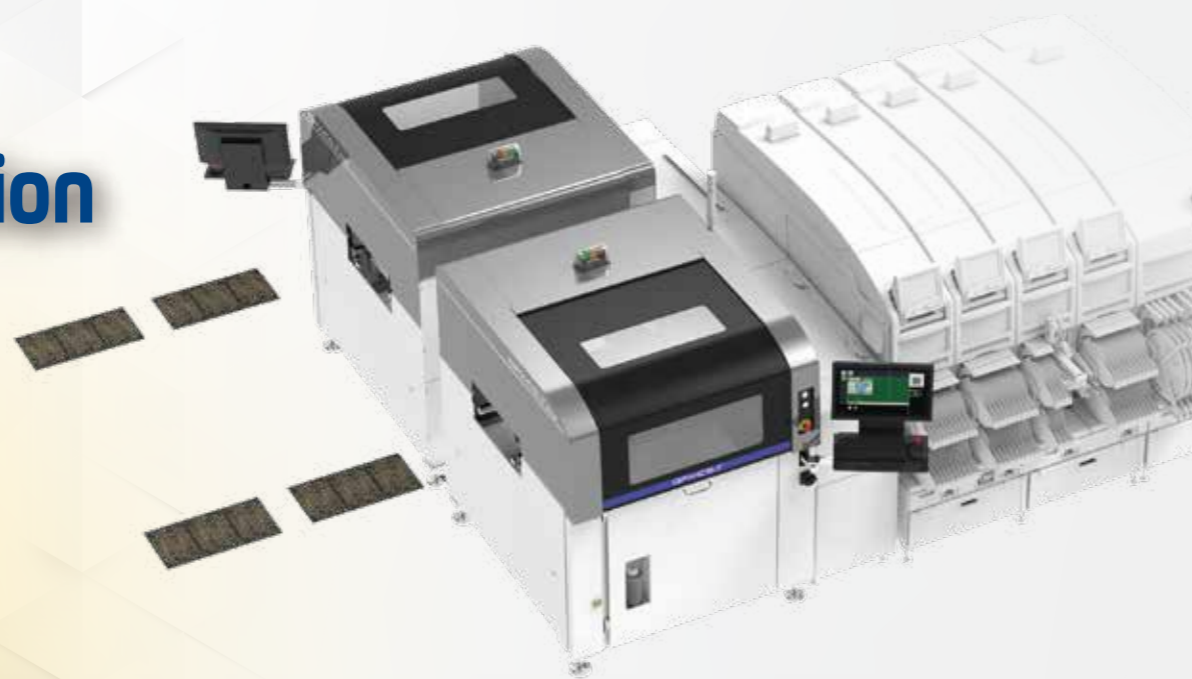## Intelligent Screen Printer

GPX-C II
GPX-CS II
GPX-CL

Large panel production

GPX-CII
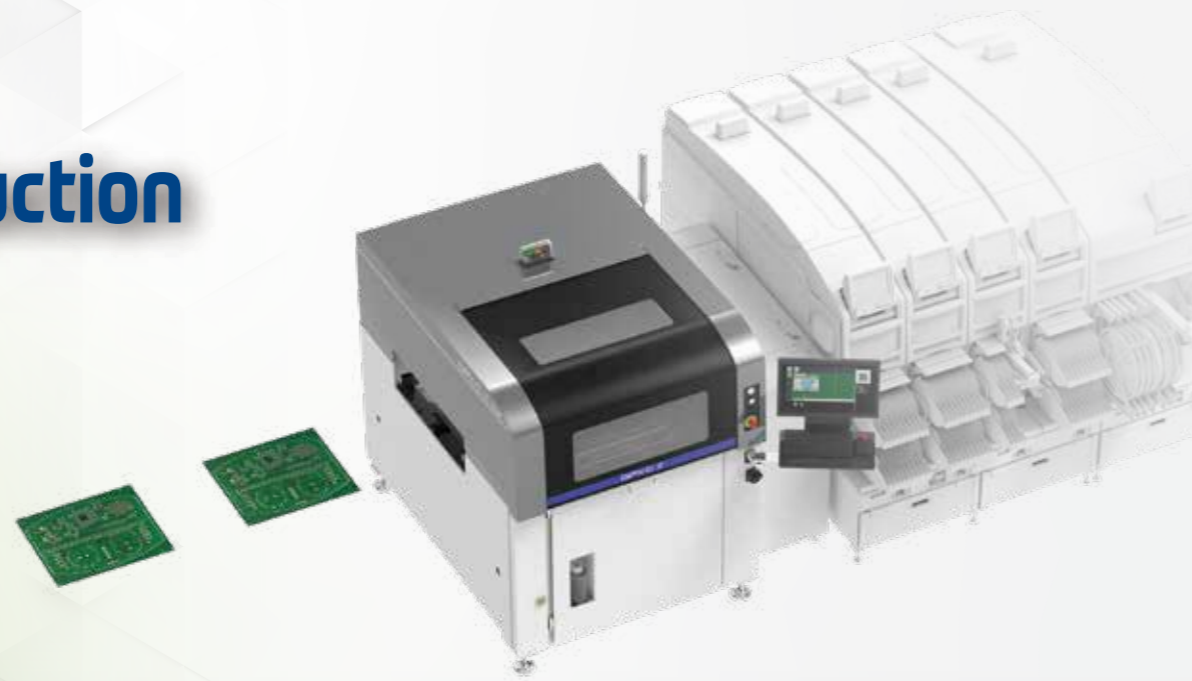
Dual lane production
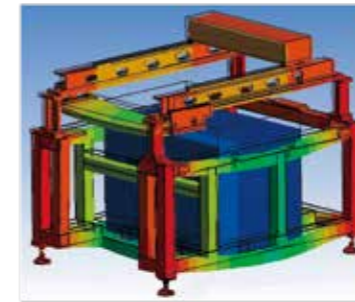
GPX-CSII

Extra-large panel production

## GPX-CL

▶▶ **Maintaining alignment accuracy**

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.

▶▶ **High accuracy printing control**

By having a load cell ready to use at the machine, printing pressure on the uneven sections of panels and masks can be controlled in real time. The optimum amount of solder filling is always achieved, even when using heavy or long squeegees with which it is difficult to fill evenly.

▶▶ **Minimizes maintenance**
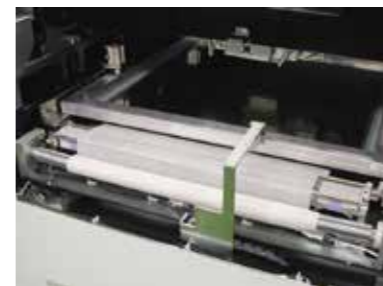
With a combined wet and dry mechanism that keeps operation to a minimum, these printers significantly reduce cleaning time.
The range in which cleaning fluid is applied is automatically adjusted to match the width of the panel. Only the amount of fluid needed is used, for effective cleaning.

▶▶ **Clamping mechanism supports various types of panels**

This is an option on GPX-C II and GPX-CS II

Stable clamping is achieved by using hybrid clamping, which allows users to select the optimum clamping method (side clamp/top clamp/ edge clamp) according to the characteristics of the panel.

▶▶ **No line stops for quality-related errors**

Option

SPI Closed Loop

Based on inspection result feedback from SPI machines, future printing problems such as solder volume deviations, misalignment, and smearing can be predicted before they occur. Adjustment of print conditions and cleaning are performed automatically, to constantly maintain high quality printing.