

Fuji to Exhibit at JISSO PROTEC 2025

Unveiling the new Smart Storage, which expands the automation area to the production preparation area

Fuji Corporation (headquarters: Chiryu, Aichi; Representative Director, President and CEO: Joji Isozumi; hereinafter referred to as "Fuji") will be exhibiting at the JISSO PROTEC 2025 (26th Jisso Process Technology Exhibition). This year's show runs for three days from June 4th (Wednesday) to June 6th (Friday) and will be held at Tokyo Big Sight (Ariake, Koto, Tokyo). At this exhibition, we will be showing the new Smart Storage for the first time. By linking this with Fuji's cutting-edge pick and place machine, NXTR A model, and various production support units, the area for automation is expanded beyond just the production area into the production preparation area. We will be doing demonstrations of this new unit along with Fuji's latest solutions.



Three highlights

1. First showing of the new Smart Storage; demonstrating automation for the production preparation area.
2. Fuji's latest technology: Introducing optimum solutions for each production application.
3. Integrated production system, Nexim: Support for production floors through rich functionality and the new Scheduler.

[Click here for visitor registration \(free\)](#)

1. First showing of the new Smart Storage; demonstrating automation for the production preparation area

Smart Storage, which will be unveiled for the first time, is a new unit that supports feeder storage and supply in the production preparation area and significantly reduces operator work times and workloads. We will introduce the latest technologies to realize full automation of the entire SMT floor by expanding automation capabilities, which had previously been focused on production lines, to the production preparation process.



New Smart Storage

In this exhibition, Smart Storage will be demonstrated in combination with Fuji's cutting-edge pick and place machine, NXTR A model, and various changeover support units. We will show what can be made possible with Fuji automation using the latest automation and labor-saving solutions.

We will also be presenting user case studies with the cooperation of users who have implemented FUJI Smart Factory (FSF) with the NXTR A model at its core in actual production environments, introducing how productivity can be maximized by automating production sites.

2. Fuji's latest technology: Introducing optimum solutions for each production application

For SiP and automotive: Pick and place machine, NXTR S model with the dip flux unit, which is being shown for the first time

NXTR S model is a cutting-edge pick and place machine that achieves an industry leading placement accuracy of $\pm 10 \mu\text{m}$. In recent years, the miniaturization of WLCSP^(note 1) bumps has been progressing in SiP^(note 2) manufacturing. To address this issue, we have developed a new dip flux unit equipped with a dedicated dip tank and squeegee that can handle flux transfers as thin as $10 \mu\text{m}$. This is being shown for the first time at this exhibition.

For servers and industrial equipment: Pick and place machine, AIMEXR with the RHDX head which is being demonstrated for the first time

AIMEXR is a pick and place machine that has flexibility and the ability to support various types of production. We will be showing the RHDX head that can handle parts from tiny chips that are $0.4 \times 0.2 \text{ mm}$ in size to large $200 \times 150 \text{ mm}$ connectors and GPUs, which are frequently used in servers and industrial equipment, all with a single head.

For insertion process: Insertion machines, sFAB-D and SmartWing BA

The sFAB-D and SmartWing BA are automatic insertion machines that automate insertion processes, which are traditionally performed manually. Demonstrations will be given by Fuji engineers in the booth.

Note 1 SiP (System in Package): This is a semiconductor package that combines multiple chips into one sealed package.
Note 2 WLCSP (Wafer-Level Chip Size Package): This is a semiconductor package that is as small as a chip

What is FUJI Smart Factory (FSF)?

This is a unique smart factory concept that fully uses Fuji's technology to dramatically improve work efficiency and realize production lines that do not rely on human labor by automating manual tasks such as production preparation, production changeover, part supply, or transport between processes, and by using a work support system that uses digital platforms.

3. Integrated production system, Nexim: Support for production floors through rich functionality and the new Scheduler

Nexim is an integrated production system with standard functions required for production, such as programming, factory monitoring, part and moisture sensitive parts (MSD) management, maintenance management, traceability, and scheduling. It also supports connecting with user systems and M2M connections, thus enabling centralized management of the entire production process through data aggregation.

In addition, the new Scheduler includes easy-to-use production planning and scheduling assistance functions. It greatly streamlines the scheduling process and improves the speed and accuracy of production preparation.

Free seminars announcement

Free seminars will be held over the three days of the exhibition on a variety of themes that will lead production sites to the next stage, including the evolution of FUJI Smart Factory, optimization technology for printers, and on-device AI and cutting-edge placement technology.

Date (JST)	Seminar title
June 4th, Wednesday 14:05 - 14:50	FUJI Smart Factory continues to evolve - 3 years of progress and challenges for the future -
June 5th, Thursday 15:15 - 16:00	Presenting printing parameters simply by specifying cycle times - Printing Navigator -
June 6th, Friday 11:45 - 12:30	"How will manufacturing sites change? On-device AI and the latest in cutting-edge placement technology" - From Fuji Technology Development Roadmap 2030 Target Zero -

[Click here to register to attend a seminar \(Japanese only\)](#)

Event & Fuji Booth Information

Exhibition: JISSO PROTEC 2025 (The 26th Jisso Process Technology Exhibition)

Dates: June 4th (Wed.) to June 6th (Fri.) 2025 from 10:00 to 17:00

Location: Tokyo Big Sight, Japan

Exhibit booth: East hall 4, 4G-09

Organizer official website: <https://www.jissoprotec.jp/>

Company Profile

Company name	FUJI CORPORATION
Representative	Joji Isozumi, Representative Director, President & CEO
Address	19 Chausuyama, Yamamachi, Chiryu, Aichi 472-8686 Japan
Established	April 1959
Business details	Development, manufacturing, and sales of SMT pick and place machines and machine tools
Capital	5,878 million Yen
URL	https://www.fuji.co.jp/en/ (Official website) https://smt.fuji.co.jp/en/ (SMT website)

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