

## News Release

# Yamaha extends surface-mount software toolkit for right-first-time printing

## Automatically optimise print parameters for fast, efficient new product introduction

Yamaha Robotics has revealed advanced setup assistance for surface-mount printers that boosts productivity by quickly optimising printer settings and accelerating new product introduction (NPI).

The new tool, Print Param Decision Assist, automatically inspects the board file when loaded to calculate ideal printing parameters and troubleshoot existing settings. Assessing board dimensions, component types, solder-paste type, stencil thickness and critical aperture dimensions, the tool generates all settings including system pressure, printing speed, squeegee angle, and cleaning frequency. The simple and intuitive graphical user interface lets users confirm settings and allows fine-tuning.

“We are giving customers a resident printing expert ready to support every NPI with time-saving assistance, recommendations, and double-checking,” said Shuichi Imai Sales General Manager for Europe, Yamaha Robotics SMT Section. “Operators of all experience levels, whether seasoned in surface-mount production or recently integrated into the team, can now get instant access to process knowhow and find right-first-time assurance when working with Yamaha printers.”



Yamaha Printer YRP10

Print Param Decision Assist is available in the latest distribution of YSUP-PG, the machine-programming environment of Yamaha’s YSUP intelligent factory software.

Featured to accelerate process optimisation and prevent errors during NPI, its release expands the scope of trained, smart tools in YSUP that help customers boost efficiency and increase end-of-line yield. These include recent extensions to the Visual Data Editor and new AutoTeach component placement that accelerates product changeovers.

The YSUP suite is the main environment for end-to-end assembly management with Yamaha SMT equipment, including programming, line-level and factory-level scheduling, real-time production monitoring, traceability, and interaction with enterprise-level planning tools.

### **About Yamaha Robotics SMT Section**

Yamaha Surface Mount Technology (SMT) Section, a subdivision of Yamaha Motor Robotics Business Unit in Yamaha Motor Corporation, produces a complete selection of equipment for high-speed inline electronic assembly. This 1 STOP SMART SOLUTION includes solder paste printers, component mounters, 3D solder paste inspection machines, 3D PCB inspection machines, dispensers, and management software.

Bringing the Yamaha way to electronics manufacturing, these systems prioritize intuitive operator interaction, efficient coordination between all inline processes, and modularity enabling users to meet the latest manufacturing demands. Group competencies in servo-motor control and image recognition for vision (camera) systems ensure extreme accuracy with high speed.

The current product line includes the latest YR equipment generation, with advanced automated features for programming, setup, and changeovers, and new YSUP management software with state-of-the-art graphics and built-in data analytics.

Combining design and engineering, manufacture, sales, and service competencies, Yamaha SMT Section ensures operational efficiency and easy access to support for customers and partners. With regional offices in Japan, China, Southeast Asia, Europe and North America, the company provides truly global presence.

<https://smt.yamaha-motor-robotics.de/>

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