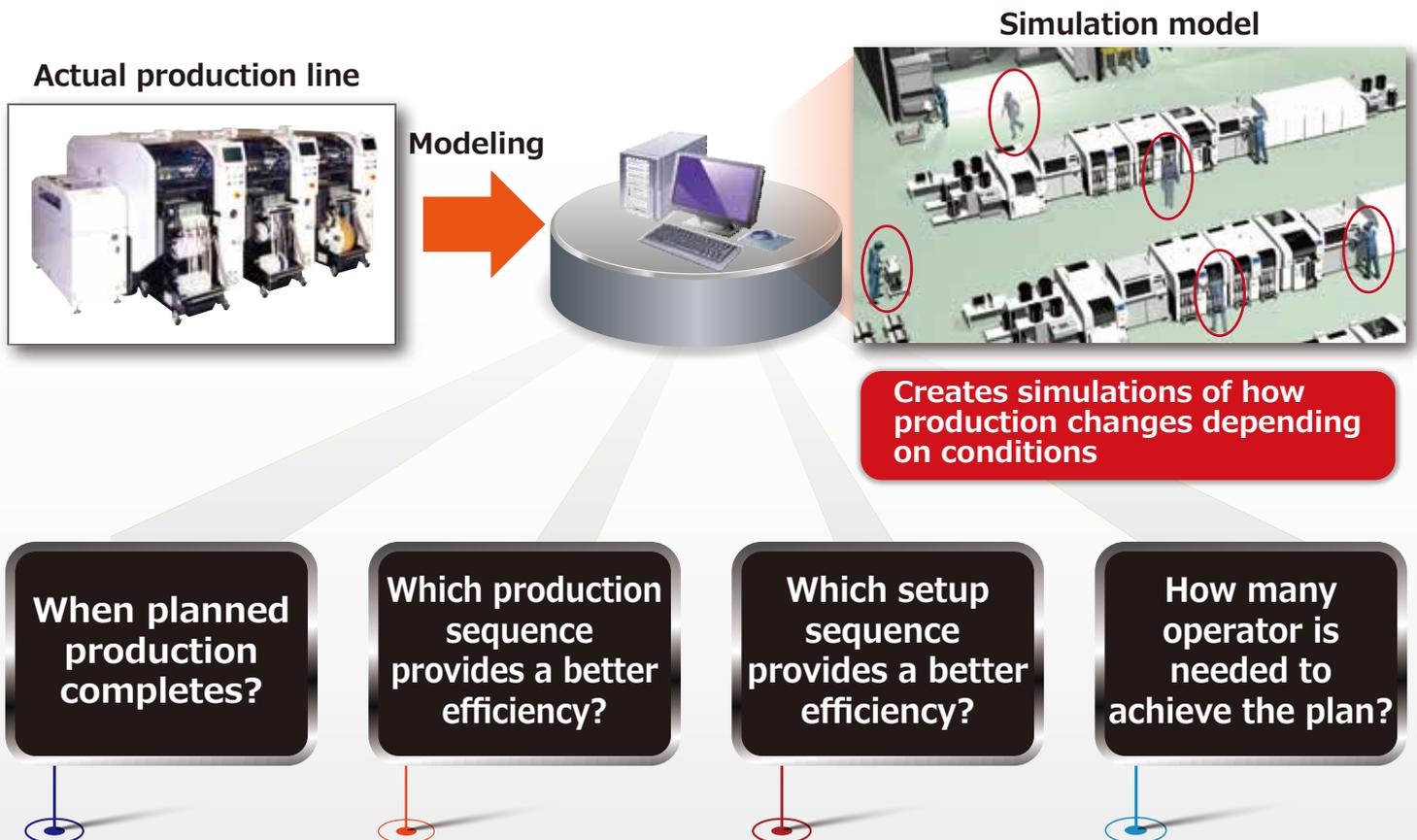


MFO

Model No. NM-EJS6B

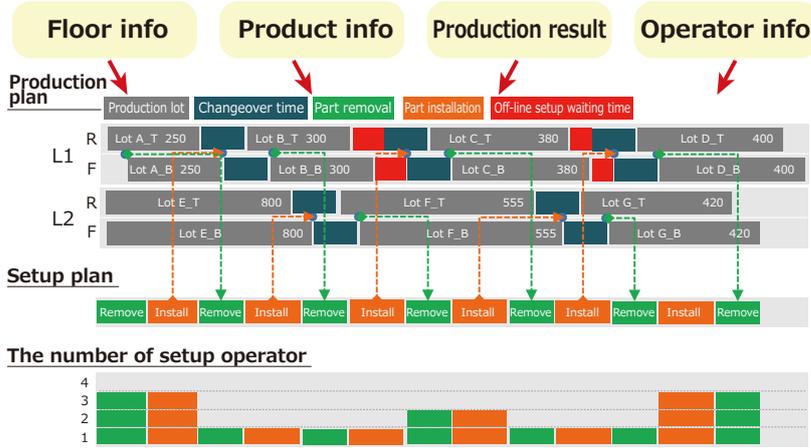


Automatically draws up a production plan necessary for on-site operations to reduce man-hours required for the production plan process and enhance production efficiency

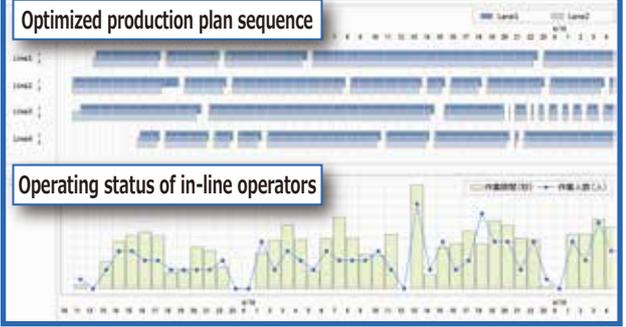


MFO creates the schedule of detailed production and pre-setup operation, and also calculates the number of operators required for the production by manufacturing simulation of the entire SMT floor.

Image of the system



Reports of simulation / optimization results



Function list

Function	Description
① Mounting process simulation	In consideration of "error occurrence in production machines," "parts exchange by operators" and "operators' travel time," it models a mounting floor, and simulates production conditions including multiple mounting lines and off-line setup processes. This ensures highly accurate simulation results.
② [Optimization function] Production plan optimization	In consideration of multiple production lines, it optimizes a production plan based on the production conditions set up in [mounting process simulation]. This allows the "production line" and "production order" of each PCB to be calculated / provided automatically.
③ [Optimization function] Setup plan optimization	It optimizes "off-line setup" sequence according to the production plan developed in [production plan optimization]. This allows automatic calculation / provision of "priorities for setups in multiple lines," "a setup plan that takes into account the shared use of carts" and "effects of an increase / decrease in the setup number of operators on the production plan." *The optimization function of "In-line setup" is currently under development.
④ [Optimization function] number of operators optimization	Based on the production conditions set up in [Mounting process simulation], it optimizes the number of operators required for each line and setup, allowing you to automatically calculate / provide "the number of the operators required."

Applicable machine

Machine series	Model	Machine info entry
NPM-X/NPM/VM/AM series	NPM-DX, NPM-WX/WXS, NPM, NPM-D/D2/D3, NPM-TT/TT2, NPM-W/W2/W2S, VM101/102, AM100	Yes *
CM/DT series	CM602-L, CM232-M/212-M, CM101-D, CM402-L/M, CM401-L/M, DT401-F/M	
Screen printer	SP60/70/80/18, SPG/SPD/SPV/SPV-DC	
NPM-VF series	NPM-VF	
Panasonic's former machine	Machines not included in the ones mentioned above	-
Competitor's machine	Competitors' machines (loader, screen printer, SPI, placement machine, AOI, reflow, etc.)	

*Because machine information is registered during installation, you will be able to easily configure settings such as registration of the floor configuration of your mounting production lines.
 ※For details, contact us. ※The current version is limited to the mounting process. ※Prepare PC on your own.

Safety Cautions

- Please read the User's Manual carefully to familiarize yourself with safe and effective usage procedures.
- To ensure safety when using this equipment, all work should be performed according to that as stated in the supplied Operating Instructions. Read your operating instruction manual thoroughly.

Panasonic Group products are built with the environment in mind.

Please check the homepage for the details.
panasonic.com/global/corporate/sustainability

Inquiries...

Panasonic Corporation
 Process Automation Business Division

Rivage Shinagawa 14F, 4-1-8 Konan, Minato-ku, Tokyo 108-0075, Japan
 TEL +81-3-5796-2562
 FAX +81-3-5460-1016

All data as of January 1, 2020

Ver. January 1, 2020

© Panasonic Corporation 2020