



Panasonic's manufacturing operations optimizer automatically draws up production plans to reduce man-hours and enhancing production efficiency.

Manufacturing operations optimizer (MFO)

FeaturesThe Manufacturing Operations Optimiser (MFO) is a newly developed product for drawing up production plans required for onsite operations to reduce the man-hours needed for the production plan and, at the same time, to enhance production efficiency. MFO creates detailed schedules for productions and pre-set-up operations and calculates the required resources for production by simulating the manufacturing process of the entire SMT production floor. By simulating the planned production, the MFO answers questions about estimated production completion, indicates which production sequence is to be used for higher efficiency, proposes optimal machine set-up for higher efficiency, and indicates the

Key Features

Drawing up production plans required for on-site operations

Detailed schedules for productions and pre-set-up operations

Calculates the required resources for production by simulating the manufacturing process



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https://ap.connect.panasonic.com/sg/en/manufacturing-operations-optimizer-mfo

machines.

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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 culates the number of operators "production line" and "production order" of each PCB to be calculated / provided automatically.

e SMT manufacturing operation lt optimizes "off-line setup" sequence according to the production plan developed in less clearus action function setup plan lt optimizes "off-line setup" sequence according to the production plan developed in less clearus action of "provision of "priorities for setups in multiple lines," "a setup plan that takes into account the shred use of carts" of the provides various optimization plan optimization of "In-line setup number of operators on the production plan."*The optimization function of "In-line setup" is currently under development.

The production plan "*The optimization function of "In-line setup" is currently under development.

the number of operators required for each line and setup, allowing you to automatically calculate / provide "the number of the operators required."

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