



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/th /en/manufacturing-operationsoptimizer-mfo

machines.

nizer (| Wounth | Sprices | Gilland | 1 agern | Reconsideration of "error occurrence in production machines," "parts exchange by ction schedules including pre-setters and "operators' travel time," it models a mounting floor, and simulates production conditions including multiple mounting lines and off-line setup processes. ans are mandatory to optimize This ensures highly accurate simulation results.

nus im βριτίνες τον βιετίον βιεσαμείον In consideration of multiple production lines, it optimizes a production plan base 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 In consideration of multiple production lines, it optimizes a production plan based on the

e SMT manufacturing operation ^{automatically.} It optimizes "off-line setup" sequence according to the production plan developed in les cleamanationasy to understand production plan optimization]. This allows automatic calculation / provision of "priorities" for setups in multiple lines," "a setup plan that takes into account the shred use of carts" t-up and operator management in light effects of an increase / decrease in the setup number of operators on the t provides various optimization production plan."*The optimization function of "In-line setup" is currently under development.

prod បុស្វាញ ដល់ការហាល់សំពុ ការការបែកបាក ២នៃទី២ 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 ding a table of formed by list and 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.)