

Intelligent Automatic Scheduling

Original intelligent optimization algorithm automatically generates the overall optimal scheduling plan according to the constraints and objectives.

Scheduling Objectives

Target weights can be set according to actual needs, including customer delivery date, production efficiency, product inventory, number of style

Production Granularity

IOS-APS scheduling can be grouped according to production order, delivery time, color, size, and define the quantity upper and lower limits of scheduling granularity.

Automatic Split-Order

IOS-APS scheduling process automatically splits the delays and places them on other suitable production lines.

Production Line Priority

IOS-APS allow you to set the production line priority of an order, and Auto- selects the production line with the highest level without delay.

Constraint Condition

The production line/workshop of the production order can be limited according to the style/product type/customer, and the style of the production line/workshop can be limited.

Full MRP & Material Allocation

IOS-APS automatic material allocation and material tracking function will solve the common industry problems of combined material procurement and batch arrival, and realize scientific material follow-up driven by production plan.

Material Shortage Analysis

IOS-APS performs a comprehensive intelligent matching analysis of material supply and demand based on the expected arrival information of material batches and the daily material demand amount of production orders.

Calculation of Full Set

IOS-APS automatically calculates the material full set ratio of each production by color and size, and user can see the full set rate of each production order on planning board.

Material Requirement

Fully and accurately generate the daily material usage of the production order according to IOS-APS production plan and BOM.

Automatic Material Allocation

IOS-APS automatically allocates materials within designated shared material groups based on production order daily material requirements and actual material inventory/arrival plans.

Potential Material Interrupt Alert

Based on current production plan and material plan, alert which production order is at risk of running out of material, and track which production order is out of which material on which day.

Full MRP & Material Allocation
Intelligent Scheduling

IOS-APS Typical Customers



Advanced Planning And Scheduling
IOS-APS



- IMPROVE ON-TIME DELIVERY
- QUICK REACTION
- REDUCE INVENTORY
- IMPROVE PRODUCTION EFFICIENCY
- FAST PROMISE FOR DELIVERY DATE
- COLLABORATIVE WORK
- MACRO PLAN
- INTELLIGENT SCHEDULING
- MATERIAL MANAGEMENT
- PREPRODUCTION TRACKING
- PROGRESS MONITORING&CONTROL
- BUSINESS ANALYSIS

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