Factory Material Manager

Accurate inventory data for more control and greater yields

Where is which component reel located? Which materials are needed for the next production run? Was the expiration date taken into account during picking? What needs to be reordered from the supplier? If you can answer questions like these quickly and correctly, you have a real competitive advantage in today's SMT production.

By capturing and tracking each material package or reel across the entire production cycle, Factory Material Manager ensures total transparency regarding consumption and inventory data in real time. The software automates and optimizes setup processes and component supplies on the line, thus avoiding material shortages as well as expensive emergency stocks.

Features at a glance

Unique ID
Each package or reel is given a unique ID (UID) with associated data on the manufacturer, lot number, delivery data, or MSD requirements.

Data import from WORKS Programming
Data on the item quantity needed for an order can be imported from WORKS Programming.

Automatic material requests
The software issues automatic material requests based on the actual consumption data provided by the placement machines or on the demand forecast.

Manual material requests
At any time, users can issue material requests manually from their PDAs via WORKS Preparation or Factory Material Manager.

Position reporting via WORKS
Whenever material is set up or spliced to another reel, Factory Material Manager gets notified by WORKS Preparation and updates the inventory data.

Administration of MSDs
Factory Material Manager minimizes the storage and exposure times of moisture-sensitive devices.

Continuous tracking
Whenever a component reel or package changes its location, its ID gets scanned and reported to Factory Material Manager.

Reordering from component suppliers
The consumption and inventory data which Factory Material Manager sends to the ERP system forms the basis for repeat orders to the manufacturer.

Optimized pick lists

Based on the material requirements, Factory Material Manager generates exact pick lists that contain either the total quantity (for small orders) or the quantity needed for preparing the initial setup. The materials required for subsequent replenishments are taken from storage later, with program strictly following the FIFO principle (first in, first out).

Communication with storage systems

Thanks to standardized interfaces, even automated systems from third-party suppliers can be integrated into the workflow. The system supports a wide range of storage systems, such as classic racks, SMD lifts, shuttles, carousels or paternosters (like those made by Kardex), as well as the Material Tower from ASMPT.

Licence model	ESSENTIAL	PLUS	ULTIMATE
Features			
Material registration, ID creation and label printing, 3rd party registration devices	✓	✓	✓
Storage and picking of material	✓	✓	✓
Operator guidance through the picking process with a PDA	✓	✓	✓
Location tracking / Perpetual and end-of-period inventory	✓	✓	✓
Tracking of remaining quantity for each material	✓	✓	✓
Different variants to create pick list	✓	✓	✓
Tracking of remaining floor life	–	✓	✓
Blocking of expired material	–	✓	✓
MSD Baking Oven according to JEDEC standard J-STD-033D	–	✓	✓
Sealing process	–	✓	✓
Equipment			
Placement machines from ASMPT	✓	✓	✓
Material Tower from ASMPT	✓	✓	✓
Dry Storage Cabinet	–	✓	✓
3rd party automated storage equipment	–	–	✓
3rd party counting devices (e.g. X-ray)	✓	✓	✓
Number of Users			
Unlimited	✓	✓	✓

Your advantages at a glance

- Simplified and automated receiving of incoming goods
- Unique ID for each material reel/package
- No cumbersome manual inventory-taking
- Time-saving, route-optimized pick lists
- Cost-efficient and effective use of resources
- No under- or overstocking of materials
- No line stops
- No losses due to expired components
- Consideration of moisture-sensitive devices
- Communication with automatic storage systems

ASMPT

More about
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