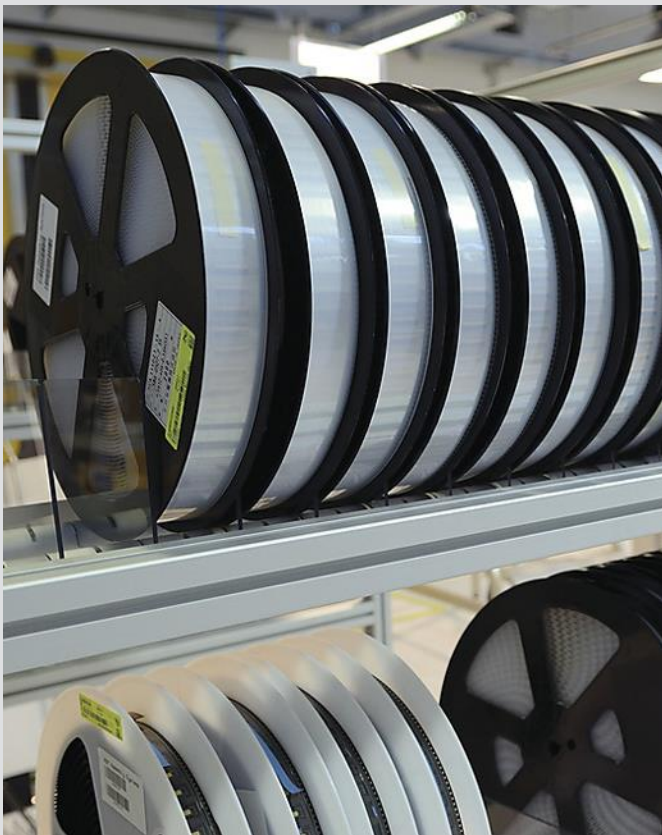


# SIPLACE Material Manager

ONE SYSTEM, FULL TRANSPARENCY, FULL CONTROL



With SIPLACE Material Manager you gain full control over all materials on your shop floor. You can plan and order more efficiently because you always have full transparency about location and precise amount of your stocks. Production stops become a thing of the past, as you can check whether your material stocks are sufficient or whether you need to re-order – all that at any time in real time and directly from the line.



SIPLACE Material Manager closes the gap between ERP systems and shop floors, optimizes material logistics via consistent workflows, and minimizes material-related production stops.

#### Your benefits at a glance:

- **More transparency** – with features specifically designed for SMT production requirements, SIPLACE Material Manager builds on your ERP system and tracks your material in more detail. In connection with a Unique ID (UID), the program stores information such as location and amount.
- **Less material buffers** – Knowing at any time just how many reels, trays and sticks are left in your production – both on your SMT lines and in your warehouse – means you receive more transparency in your inventory.
- **Less production stops** – check beforehand whether your material on the line will suffice and order material via SIPLACE Material Manager directly from the line. With exact real-time knowledge on all of your stocks, you can plan and realize non-stop production.

# SIPLACE Material Manager

Traditionally, Enterprise resource planning (ERP) systems are used to schedule the necessary production resources within a factory. In electronics production, however, you quickly run into limitations in production planning and real-time processing data with ERP systems, e.g. insufficient transparency in the material workflow. **Material management systems, which are positioned just below the ERP level in the software architecture, are ideal supplements to ERP systems.**

**SIPLACE Material Manager** provides consistent and seamless integration in two directions: “upstream” to the planning system and “downstream” to the shop floor. With SIPLACE Material Manager you can organize your material from the moment it arrives to the point when production starts:

## Goods receiving

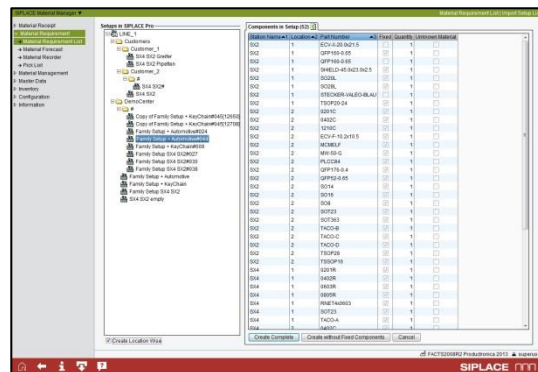
- Recording incoming materials
- Printing Unique ID labels
- Forwarding dispatch data

## Management of manual and automated warehouses

- Warehouse location and bin administration
- Creation of to-storage lists (electronically via PDA)
- Interface to centralized warehouses, managed by ERP system, in order to always have the right part in the production warehouse
- Kanban steering between centralized warehouses, managed by ERP system and SIPLACE Material Manager, to increase material availability in the production
- Interface to SIPLACE Material Tower & Kardex, Hänel and Myrconic storage systems
- Inventory management on the package level
- Inventory-taking support
- Administration and control of expiration dates for materials

## Production management

- Checking material availability
- Material search function on the material- and the package level



SIPLACE Material Manager

## Material consumption management and administration

- For SMT materials on the unique package number level

## Moisture-sensitive devices (MSD)

- Management of moisture-sensitive components down to the machine level (SIPLACE Setup Center)

## Integrated material control for every workflow

One systems, full control: thanks to SIPLACE Material Manager, you have just **one** intelligent software system to control your entire material flow. Very high availability, no integration errors, no troublesome update problems.

SIPLACE Material Manager becomes even more powerful when it interacts with other SIPLACE modules. Setup lists are based on the production schedule of SIPLACE Pro or based on setup families created with SIPLACE SiCluster Professional. The Active Feeder Rack is pre-condition for the paperless setup of component tables. SIPLACE Material Setup Assistant reduces material movement between the setup area and the inventory. And it communicates with the SIPLACE Material Manager also ideally corresponds with the SIPLACE Material Tower, ASM's automatic storage system.

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