PrinTrack™ System

Collect, Report, Understand, Control.

Traceability in electronics manufacturing is more critical today than ever before. Comprehensive product traceability is the key maintaining product quality, consistency, and control over your manufacturing process. It’s also a requirement of many Hi-reliability end users including Automotive, Smart Device, Industrial, DoD, Medical, and hardened electronics OEMs.

ITW EAE offers comprehensive product traceability powered by globally-recognized leader Cogiscan. MPM’s PrinTrack focuses primarily on printing process parameters, solder paste and tooling, but can seamlessly integrate with other equipment and elements in the manufacturing cycle, e.g., MES, ERP, and can be expended factory-wide. PrinTrack enables you to track your printed products throughout the SMT assembly line through a simple user interface and flexible reporting. With MPM’s PrinTrack, you’ll always have a comprehensive history detailing how your product was made, when it was made, the process parameters used to print it, and all pertinent information that can be used to track products or troubleshoot the process if needed.

MPM PrinTrack - How it Works

The traceability process beings by harvesting data from the printer through a connection to the MPM Benchmark Open App interface. Data collected includes the following:

- Assembly part number and work order number if available
- Panel ID and/or Circuit board IDs as scanned by the printer
- Solder paste data (part number, lot number/data code, unique identification number etc.)
- Tooling data for the stencil, squeegees, work holder and other tooling used on the machine
- The process program running on the machine and much more....

For further in depth details please contact your local sales representative.

Traceability data across several printers is consolidated into one database residing on a server. Solder paste and tooling information is automatically initialized in the Cogiscan database, based on data collected through the Benchmark interface.

A flexible Web reporting interface can be user-configured to product traceability reports.
Some examples are:

- Product history report, including the solder paste(s) and tooling used for a specific panel ID, circuit ID, or work order ID
- A list of panel IDs, circuit IDs, or work order IDs produced with a specific solder paste or tooling.

Advantages and Unique Features of MPM Traceability:

- Open architecture for seamless integration
- Standard method to connect to MES, ERP, etc.
- Expandable to factory-wide Track, Trace, Control systems

Minimum Server Requirements:

- Windows 7 Pro x32/x64 bit OS
- Windows 8 Pro x32/x64 bit OS
- Windows 8.1 Pro x32/x64 bit OS
- Windows Server 2008 R2 Standard x64
- Windows Server 2015 R2 Standard x64
- DB2 Express-CEdition V10.5 (free)
- Quad core (minimum 2GHz) CPU (can have hyper-threading)
- 8 GB RAM
- 2 sets of RAID1 HDD (300GB each set)
- UPS protection from power outage

Printer System Requirements:

- Windows 7 Pro x64 bit OS w/Benchmark software 4.3.6 or greater