

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 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. 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 begins by harvesting data from the printer through a connection to the MPM Benchmark/Intuery 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 parameters running on the machine and much more....

A flexible Web reporting interface can be user-configured to product traceability reports.

Some examples are:

- Product history report, including the solder paste(s), print parameters, stencils, squeegee ID 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:

- Expandable to factory-wide Track, Trace, Control systems

Item#	Name	Value	Measurement	Measurement	Unit Issue	Input Type	User ID
1000000001	1000000001	1000000001					
1000000002	1000000002	1000000002					
1000000003	1000000003	1000000003					
1000000004	1000000004	1000000004					
1000000005	1000000005	1000000005					
1000000006	1000000006	1000000006					
1000000007	1000000007	1000000007					
1000000008	1000000008	1000000008					
1000000009	1000000009	1000000009					
1000000010	1000000010	1000000010					
1000000011	1000000011	1000000011					
1000000012	1000000012	1000000012					
1000000013	1000000013	1000000013					
1000000014	1000000014	1000000014					
1000000015	1000000015	1000000015					
1000000016	1000000016	1000000016					
1000000017	1000000017	1000000017					
1000000018	1000000018	1000000018					
1000000019	1000000019	1000000019					
1000000020	1000000020	1000000020					
1000000021	1000000021	1000000021					
1000000022	1000000022	1000000022					
1000000023	1000000023	1000000023					
1000000024	1000000024	1000000024					
1000000025	1000000025	1000000025					
1000000026	1000000026	1000000026					
1000000027	1000000027	1000000027					
1000000028	1000000028	1000000028					
1000000029	1000000029	1000000029					
1000000030	1000000030	1000000030					
1000000031	1000000031	1000000031					
1000000032	1000000032	1000000032					
1000000033	1000000033	1000000033					
1000000034	1000000034	1000000034					
1000000035	1000000035	1000000035					
1000000036	1000000036	1000000036					
1000000037	1000000037	1000000037					
1000000038	1000000038	1000000038					
1000000039	1000000039	1000000039					
1000000040	1000000040	1000000040					
1000000041	1000000041	1000000041					
1000000042	1000000042	1000000042					
1000000043	1000000043	1000000043					
1000000044	1000000044	1000000044					
1000000045	1000000045	1000000045					
1000000046	1000000046	1000000046					
1000000047	1000000047	1000000047					
1000000048	1000000048	1000000048					
1000000049	1000000049	1000000049					
1000000050	1000000050	1000000050					

PrinTrack™ System

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 2012 R2 Standard x64
- Windows 10 Pro x32/x64 bit OS
- 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 - (Momentum Series) Benchmark 4.7.4 or greater, (Edison) Intueri 1.1.0.288 or greater
- Windows 10 - (Momentum Series) Benchmark 5.0.12 or greater

FAQs

Q: How does PrinTrack work?

A: PrinTrack harvests data from the printer through the Benchmark/Intueri Open App interface. This includes assembly part number, work order number, panel ID and other barcode information as scanned by the printer. Traceability data across several printers is consolidated into one database residing on a remote server. Reports that are generated include a product history report, a list of panel IDs, circuit board IDs, work order IDs, and etc. produced with a specific solder paste, tooling, stencil and more.

Q: What data does PrinTrack track?

A: PrinTrack collects traceability and verification data along with key process variables, including print speed, print force, squeegee stroke, and wiper profile. Other barcode data from solder paste, tooling, stencil, squeegees, the program currently running, and more.

Q: Can I install PrinTrack myself?

A: Yes you can. You may reference (1024549) or contact your local MPM Technical Support group which can be found at <http://www.itweae.com/contact-us>

Q: What's included in the full PrinTrack package?

A: The package includes a fixed barcode scanner, a hand-held barcode scanner with mount, an Open App license and PrinTrack server license for 1 machine.

Q: What do I need to provide?

A: The appropriate server, barcodes, and IT support for configuration.

PrinTrack™ System

FAQs

Q: Can PrinTrack stop the printer while in production?

A: Yes. If communication is lost between PrinTrack and the printer, the printer will halt; however, this action can be overridden at the printer.

Q: Can data be exported in different formats?

A: Yes, data can be exported in an MS Excel file.

Q: Can PrinTrack connect to my MES? What about other equipment in the production line?

A: PrinTrack is powered by Cogiscan, which has the ability to communicate with other equipment in the line.

Q: Is it possible to read etched barcodes on my circuit boards?

A: Yes, however due to the wide quality variations in etched barcodes in circuit boards we recommend you contact Technical Support and send your board to MPM for testing prior to purchase.

Q: What MPM printers is this option available for?

A: Momentum II Elite, Momentum II HiE, Momentum II BTB, Momentum II 100 and Edison.