

Application Brief

Healthcare Unique Device Identification (UDI) Labeling

Industry
Healthcare

Products
INdelible labels
TMX3000 series resin ribbons
PC43
PM43

Region
North America

Typical Applications
Medical Device Traceability

Customer Benefits

- Durable printed labels that last for the life of the device
- Assured compliance with government and industry standards
- Improved item traceability
- High contrast print for consistent scanning performance
- Reduced total cost of ownership with free printhead replacement program when Intermec media and fixed printers are used together
- On-demand generation of high quality labels for item traceability
- Stock media items available for quick shipment



Industry Need

The FDA's developing UDI (Unique Device Identification) standard highlights the capacity of auto-ID technologies to enable significant improvements in patient safety. Quick, effective recalls and adverse event reporting are difficult with current medical device management systems, and UDI is targeted to drive major enhancements. Pushing traceability to the device level enables manufacturers and users to quickly identify, locate, and pull recalled units from service; connecting adverse events to a unit serial number can reveal failure trends previously missed with manual checks.

The FDA is developing the unique attributes with input from the GHTF (Global Harmonization Task Force) for Automatic Data Collection of the device's lot and serial number to maintain a chain of custody record for the life cycle of the Medical Device.

Additional benefits to full implementation include accurate device usage data yielding improved maintenance effectiveness. Direct input of device usage into electronic health records can provide significantly increased accuracy of patient service history and billing. Selecting the correct printers and media help ensure UDI labeling delivers the intended benefits in challenging healthcare environments.

Reference Links

FDA Unique Device Identification overview

<http://www.fda.gov/MedicalDevices/DeviceRegulationandGuidance/UniqueDeviceIdentifiers/default.htm>

Intermec Solution

With periodic exposure to fluids, frequent handling, and regular disinfection, healthcare settings can quickly degrade common label materials. Intermec INdelible labels, paired with TMX3000 series resin ribbons, provide the durability required to ensure survival for the life of the medical device. High tack adhesive provides a strong bond with typical metal, plastic, and painted surfaces; high performance adhesive satisfies labeling requirements on textured surfaces. With off-the-shelf UL recognition, these products are ready for streamlined implementation in device manufacturing processes.

Premium print quality provides easily scanned 1D and 2D symbols, enabling smooth implementation with existing IT systems. Printing on demand with Intermec thermal printers such as the PM43, this durable labeling system provides the flexibility to satisfy the Unique Device Identification for Medical Devices through distribution and field use.

Media Solutions for Unique Device Identification

Material	Durability	Temp. Range	Manufacturer UDI	End User Durable Labeling	Asset Tracking	Leading Stock Label Configurations		Leading Stock Ribbons	
						Industrial Printers	Desktop Printers	Industrial Printers	Desktop Printers
Indelible label	Best; 7 years + outdoor. Superior scratch, smudge, and chemical resistance.	50F minimum application, -40 to 302F service; evaluate up to 480F	X	X	X	1x2" (E23067), 1.25x3" (E23070), 2x1" (E10164), 3x1" (E23068), 3x2" (E23069), 4x1" (E25732), 4x2" (E23222), 4x6" (E25733)	E22233 (2x1"), E25746 (3x1"), E25747 (4x2")	TMX3000 series: 2.09x18,000" (13632018), 3.27x12000" (13033312), 4.1x18,000" (13634118)	TMX3000 series: 2.36x10,800" (13632111, 1" core), 2.36x3588" (13631636, 1/2" core), 3.1x10,800" (13633111, 1" core), 3.1x3588" (13633136, 1/2" core), 4.1x10,800" (13634012, 1" core), 4.33x3588" (13044304, 1/2" core)
Indelible HP label	Best; 7 years + outdoor. Superior scratch, smudge, and chemical resistance.	50F minimum application, -40 to 302F service; evaluate up to 480F	X	X	X	3x1" (E27277)	Custom	TMX3000 series: 3.27x12000" (13033312)	TMX3000 series: 3.1x10,800" (13633111, 1" core), 3.1x3588" (13633136, 1/2" core)

Printer Recommendation

PM43 Mid Range Printer [Profile](#)

- **Ready** – Fastest to deploy. Seamlessly fits any environment.
 - Large color multi-lingual tamper proof touch-screen or icon user interface
 - No touch configuration capabilities
 - Only CCX & WiFi certified fixed printers with standard IPv6 implementation
- **Reliable** – Maximize uptime. Built from 40 years of printing innovations. 3rd generation platform.
 - Precision Print for consistent bar code printing with pin point accuracy
 - Multilingual Web page loaded on every printer ensures easy device monitoring
 - Strong metal structure with metal door that can be locked for media protection
- **Perform** – Increase productivity and process efficiencies.
 - Fastest throughput in its class
 - Powerful programmable capability with ability to directly connect peripherals
 - Most connectivity options in the market



PC43t Desktop Printer [Profile](#)

- **Intuitive** – Super Easy to Install & Use
 - 10-language LCD or Icon graphics user interface maximizes uptime
 - One hand media loading for trouble-free use
 - Fastest throughput in its class at 8 ips
 - Quick configuration with USB stick device
- **Flexible** – Fits your business needs today & tomorrow
 - User installable connectivity upgrades and accessories for scalability
 - Leading command languages for seamless deployment
 - Modular IT-friendly design speeds up deployment and support
- **Smart** – Keeps you informed & productive
 - Remote status updates with Intermec tools minimize downtime
 - Programmable with ability to directly add keyboard or scale improves efficiency



The Intermec Advantage

When patient safety hinges on reliable traceability, it is essential that UDI labeling system components work together flawlessly. Intermec printers and media are optimized to deliver superior performance when used together. Our rigorous testing and co-engineering ensures consistently high print quality, proven label and tag performance in demanding real-world environments, and maximum print head service life for reduced downtime.

Intermec printers and media are complemented by the industry's only complete line of integrated solutions and services, including rugged mobile computers, RFID systems, and advanced scanning technology. Intermec products and services are used by customers worldwide to improve the productivity, quality and responsiveness of their business operations.

Printhead Replacement Program

Intermec will provide no cost replacement printheads, as failures occur due to normal wear and tear, to those customers who use Intermec Media Products exclusively with their Intermec direct thermal and thermal transfer fixed printers. For full details, click [here](#).

For more information

Contact Intermec for more information on printers and media for UDI traceability.



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