

Application Brief

Printable Paint Mask Labeling

Industry:

Durable Goods Manufacturing
Automotive
Coated Finishes

Products:

INdelible Paint Mask Label
TMX3000 series ribbon
PX4/6i
PM43

Region:

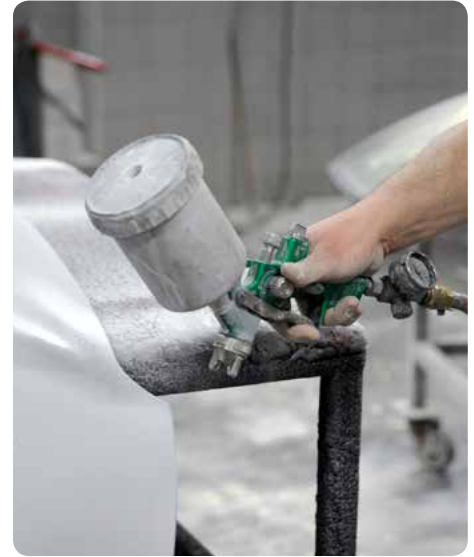
North America
Europe
Latin America

Typical Applications:

Paint Masking
Work in Process
Item Traceability

Customer Benefits:

- Improved item traceability
- Increased productivity
- Reduced consumable inventory with multi-part label
- On-demand generation of high quality labels for item traceability
- Reduced total cost of ownership with free printhead replacement program when Intermec media and printers are used together
- Marking longevity with highly durable labels



Industry Need

Traceability is increasingly important for today's manufacturers. But in many industrial applications, the manufacturing process requires positive item tracking through a painting process that is incompatible with typical identification methods. After paint is applied, typical labels are permanently obscured and traceability is lost. However, if labels are not applied until after final coating, work-in-process traceability of initial components cannot be easily captured. Furthermore, paint curing often involves a high temperature process that can damage existing marking methods.

Intermec Solution

Intermec INdelible paint mask labels solve these challenges, enabling companies to easily track parts through the complete manufacturing process and fully realize the benefits of automatic identification. These labels enable users to print the critical information required for work in process and finished product traceability on demand. The solution is configured to provide both the finished good label and the masking label in one user-friendly design.

Here is how it works: Both sections of the label are printed simultaneously on-demand. The finished good label is then applied directly to the item. Next, the masking label (containing work-in-process identification) is placed over the finished good label. After the part travels through the painting and curing processes (commonly involving high heat exposure), the top ply of the work-in-process label is removed, revealing the finished good label. The final label also benefits from a clear overlaminate layer, protecting the printed image from abrasion, solvent exposure, and other potential causes of damage in end use environments.

The Intermec Printable Paint Mask Label

Track products through harsh manufacturing processes with Intermec's labeling solution



Apply finished good label



Place masking label over finished good label



Apply paint or coating to product



Remove masking label to reveal overlaminated finished good label

Media Solution for Paint Mask Labeling

Material	Durability	Temp. Range	Leading Stock Label Configurations		Leading Stock Ribbons	
			Industrial Printers	Desktop Printers	Industrial Printers	Desktop Printers
INdelible Paint Mask Label	Excellent; 7+ years outdoor. Superior abrasion and chemical resistance	50F minimum application, -40 to 302F service (successfully tested up to 400F)	1x3 Paint mask configuration (E24028)	Custom	TMX 3000 series: 2.99x18,000" (13633018, CSI)	TMX3000 series: 2.36x10,800" (13632111, 1" core) 2.36x3,588" (13631636 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
- **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

PX4i High Performance Printer [Profile](#)

- **Smart** – Powerful smart-printing capabilities enable error-proof labeling and can simplify processes; All-in-one printer language abilities for drop-in simplicity
- **Strong** – Superior throughput, designed to excel in demanding environments
- **Secure** – Industry leading, advanced and secure network connectivity options

Products

INdelible Paint Mask Label

Ribbon Recommendation

TMX3000 series resin

The Intermec Advantage

In time-sensitive manufacturing environments, it is critical that all elements of the traceability printing system work together flawlessly. Intermec printers and media are optimized to deliver superior performance when used together. Our rigorous testing and co-engineering ensures maximum print head service life, consistently high print quality, and proven label and tag performance in demanding real-world environments. Intermec printers and media are complemented by our 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 printers. For full details, click [here](#).



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