HONEYWELL MANUFACUTRING AUTOMOTIVE PARTS LABELING

Application Brief



BRADY

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BY ADVANCED CUSTOM SYSTEMS
Printers, labels, supplies, matched

In an industry focused on public safety and prone to recalls, accurate parts labeling is essential. For suppliers, problems can result in fines, higher operational costs and business loss. The need for precision is imperative for successful business operations.

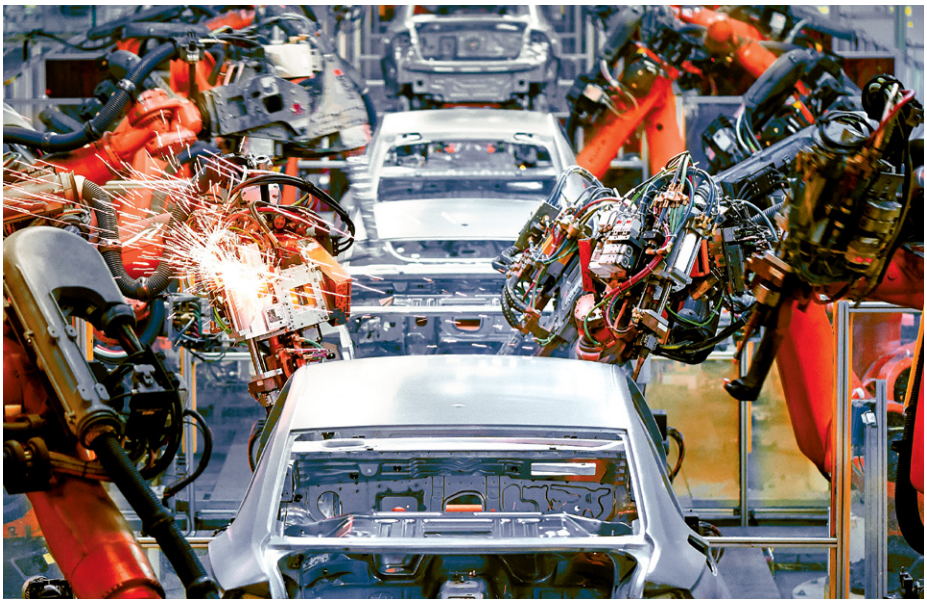
SITUATION

The automotive industry is complex. Public safety and 24/7 production schedules require a strong focus on efficiency with just-in-time sourcing, accurate component level traceability to assembly plants, and globally integrated tier suppliers. Highly efficient assembly processes can be quickly idled by the absence of a few critical components. The result: increased production costs and delivery delays. In addition, recalls of defective components must be traced precisely and managed through completion down to the part level.

Precise parts labeling during production

In automotive manufacturing, parts suppliers print most barcode labels and apply them to components in the supply chain. From tracking these parts in manufacturing through distribution and to the end user, barcode labeling can impact automotive safety and tracking for accountability if recalls occur.

Defective or unreadable barcode labels may cause an OEM to stop its assembly line. This is very costly and may trigger the OEM to return the parts and fine the supplier. The supplier may also absorb the material and labor costs associated with identifying the flaw in the printing process, printing and applying new labels, and reshipping the parts. Because OEMs usually follow a dual sourcing approach, the supplier could ultimately lose the sale to a competitor.



Media matters, too

Automotive applications can be extremely challenging for conventional labels. Highly stringent performance specifications demand barcode label media that can adhere to rough surfaces. Labels must also provide long-term durability while being exposed to rugged conditions such as high heat, vibrations, abrasion, and engine and cleaning fluids. Precise label printing, paired with durable media used to label auto parts, is essential to helping manage safety and warnings throughout the supply chain. Underestimating the need for highly accurate printing and durable labels is risky at best.

SOLUTION

Innovation has always been a part of Honeywell's heritage. And we're proven partners with significant experience delivering co-engineered performance. We can help you improve workflow efficiency, accuracy and responsiveness in your manufacturing operations, while managing costs.

The **Honeywell PX940** high-performance industrial printer with integrated label verification, takes barcode label printing to a new level of accuracy and simplicity. You can expect precision printing that increases production efficiency and reduces operational costs.

ABOUT HONEYWELL PX940 INDUSTRIAL PRINTER

PX940 industrial barcode label printers are purpose built for automotive parts suppliers and other companies in highly regulated industries that require extreme precision and enhanced results. The PX940 series' integrated label verification technology provides error-free printing. By using pass/fail and ANSI grades from 1 to 4, labels that do not meet an established threshold are voided and reprinted, saving you costs and seeing ROI on your investment.

The PX940 series can help guard your operation against fines due to non-compliance with regulator standards for labeling and may help avoid added expenses that are associated with returned shipments due to unreadable barcodes.



Honeywell PX940 high-performance industrial printer with integrated label verification

Honeywell Printer Edge™ and connected performance

Keeping the flow of data moving between touch points is critical to keep production lines moving. The potential risk of phishers and hackers may take advantage of those that do not remain cyber aware and protecting sensitive data posing the threat of a security breach. The PX940 is built on Honeywell Printer Edge - a innovative printer platform equipped with encryption technology lowering the risk of cyber-attacks. Easy set up enables IT to quickly and effortless integrate, while remote management allows IT to maintain printer operations, helping reduce printer management time and costs.

The PX940 series' fully integrated verifier allows for quick setup, even when you want to print and verify different labels. And available Bluetooth® and Smart Printing capability enable you to configure and fine-tune settings without the need for a host computer.

Provides high-precision, edge-to-edge printing, even on very small labels

The trend toward miniaturization in label printing requires printing on smaller and smaller labels. With a print registration of up to +/- 0.3 mm (0.012 in), PX940 printers can accurately print 900 to 1000 small labels per hour – edge to edge – with high precision. This is an important advantage for automotive manufacturers that often need to label very small parts.

PX940 AND HONEYWELL MEDIA – AN EFFICIENT LABELING SOLUTION FOR AUTOMOTIVE COMPANIES

Customer benefits when using Honeywell Media:

- **DURABLE, HIGH-CONTRAST PRINT** for consistent ANSI Grade A scanning performance
- **HELPS REDUCE THE TOTAL COST OF OWNERSHIP** with free printhead replacement program for the life of the product (when Honeywell supplies and printers are used together)
- **IMPROVES** item traceability

MEDIA FOR AUTOMOTIVE APPLICATIONS

APPLICATION	PRODUCT
Asset Tracking: Durable Component Labels/Track and Trace These rugged labels maintain barcode scannability after abrasion, chemical contact, and high temperature exposure. For rough surfaces (e.g. sand-cast housings for powertrain applications), FanTastock HCW offers premium adhesive bond strength.	FanTastock Label FanTastock HCW Label
WIP Tracking and Inventory Control High print quality on these paper labels enables improved scan rates for multi-step assembly processes such as electrical components.	Duratran II Label Duratherm III Label
Paint Mask Labeling This product allows for simple tracking of items from early assembly through painting, curing, and finishing as encountered in chassis, body-in-white or exterior component manufacturing processes.	FanTastock Paint Mask
Large Component Tracking For many reasons, some large assemblies are not compatible with conventional adhesive labeling. Tagging with these tear-resistant materials helps promote traceability through manufacturing, transportation, and final assembly.	Duratran II Synthetic Tags Duratran Pro Tag

Performance in printing

The high-performance PX940 industrial printer with integrated label verification technology can help you minimize the risks and costs of bad labels. Learn more about how partnering with Honeywell can take your printing to a new level.

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