

AUTO PARTS LABELING **100% ACCURACY SAVES BIG MONEY**

Application Brief

Honeywell

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 lost business. The need for precision has never been greater.

SITUATION

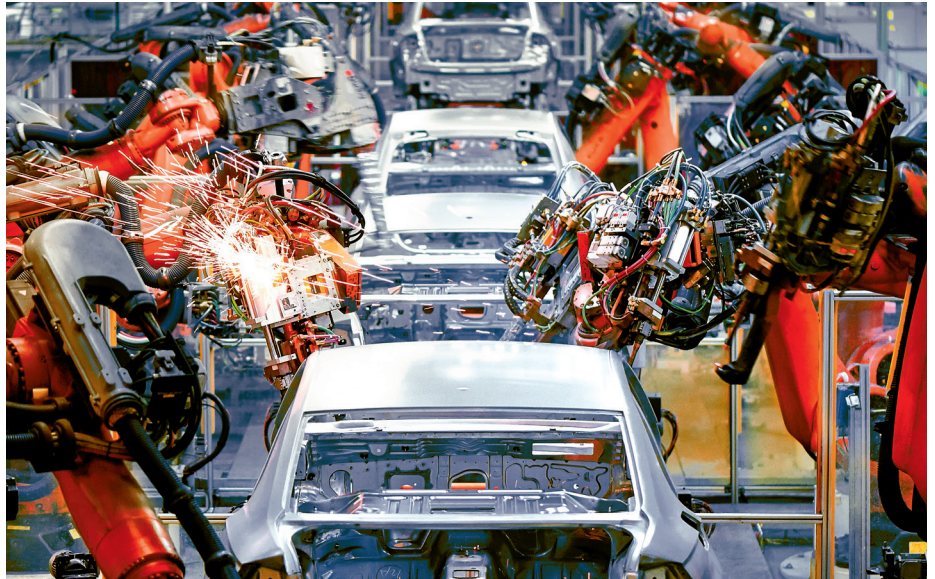
The automotive industry is complex. Public safety and 24/7 production schedules require a strong focus on efficiency with just-in-time sourcing, accurate component level traceability to assembly plants, and globally integrated tier suppliers.

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. For example, in the United States, defective components must be correctly matched to a vehicle's identification number (VIN) to expedite resolution with the National Highway Traffic Safety Administration (NHTSA)¹ and minimize the re-work cost and negative publicity for the brand. Failure can lead to big fines. Case in point: According to a report by the NHTSA, in January 2020 Mercedes Benz USA was fined \$20 million for failure pertaining to recalls.²

Precise parts labeling essential to vehicle production process

In the automotive industry, 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 auto safety and tracking for accountability during recalls. That's why these labels are regulated by the Automotive Industry Action Group (AIAG).³

For a supply chain delivering parts that go directly onto the production line, 100% commitment to delivery



dates is required. So is a commitment to problem-free parts labeling.

Defective or unreadable barcode labels may cause an OEM to stop its assembly line. This is very costly and can trigger the OEM to return the parts and fine the supplier. The supplier must 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. In fact, 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, 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.

Honeywell PX940 Industrial Printer

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

1. <http://www.nhtsa.gov>

2. <https://www.nhtsa.gov/laws-regulations/civil-penalty-settlement-amounts>

3. <http://www.aiag.org>

MORE ABOUT HONEYWELL PX940

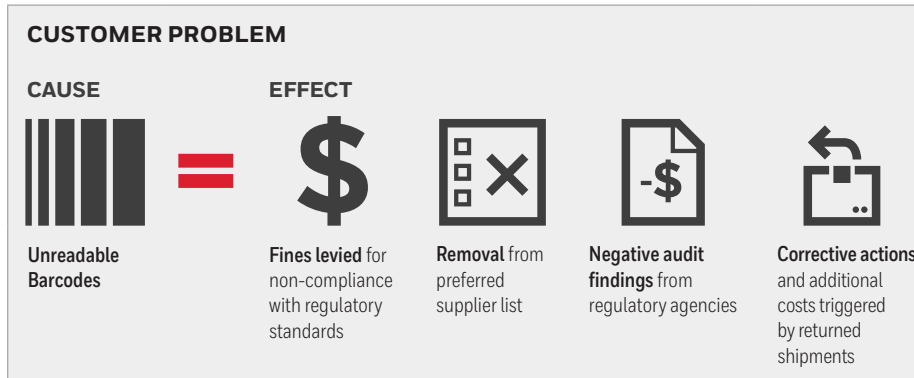
PX940 industrial barcode label printers are purpose built for automotive parts suppliers and other companies in highly regulated industries that require extreme precision and error-free printing. You can trust the PX940 series to print defect-free barcodes that are 100% accurate every time.⁴

As a result, *the PX940 series helps guard your operation against:*

- **FINES DUE TO NON-COMPLIANCE** with regulatory standards for labeling
- **THE ADDED EXPENSES** associated with returned shipments due to unreadable barcodes



Honeywell PX940 high-performance industrial printer with integrated label verification



Saves you money

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. This technology alone saves you up to \$10,000 per printer.*† You can also save another \$5,000 per printer by not having to scrap label media due to an inability to print end to end on small labels.†

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.

Easy to use

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.

Requires less maintenance

The PX940 series' built-in printhead cleaning routine aims to provide optimal print quality for its lifetime.‡

⁴ Honeywell internal research; PX940 data sheet.

*Due to no chargebacks, fines or removal from the preferred vendor supplier list.

† For more details, please contact your Honeywell Sales Representative for the PX940 Verifier ROI Calculator.

‡ Actual print quality may vary depending on the usage conditions. For more details, please refer to the product's data sheet.

PX940 AND HONEYWELL MEDIA – A FLAWLESS 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.	Duratron 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.	Duratron II Synthetic Tags Duratron Pro Tag

The Future is What We Make It

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.

For more information

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