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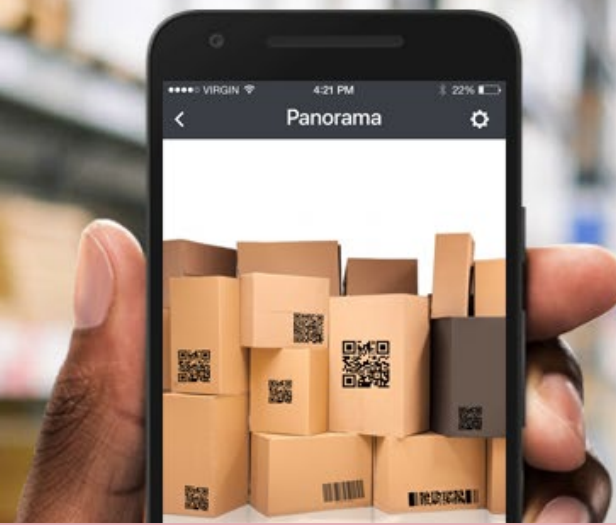
COMPANIES MENTIONED IN THIS ISSUE

- Accusoft
- ADLINK
- AIM
- Asset Panda
- BarcodesTalk
- Barcodes Group
- Barcoding
- BlueStar
- Canon
- Code Corp
- CodeREADr
- Cybra
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- Koamtac
- Loftware
- Microscan
- NiceLabel
- Omron
- PackExpo
- PlascoID
- RF Controls
- SB Solutions
- ScanSource
- Sensormatic
- SharedTraceability
- Smartrac
- Socket Mobile
- TEKLYNX
- Toshiba
- TydenBrooks
- Wag!
- Zebra
- ... and more

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THE LAST 1%

Barcode Technology's Long-Standing Big Hurdle

The barcode. It's been around for decades and while some might call it old technology, the industry continues with innovations that allow it to endure and enjoy growing market adoption. But, even with such extensive maturity in barcode technology, is there is still room for improvement?

A Brief History of the Barcode

The technology is used millions of times daily across industries that include finance, government, healthcare, retail, transportation, and many more. It's been in common use since the 1970s. Barcode technology is considered very reliable by most experts, providing around a 99 percent scan success rate in ideal scenarios.

According to [Smithsonian](#), the first commercial use of a barcode occurred in June of 1974 at an Ohio supermarket. This moment began what is today a long history for the technology. Also according to Smithsonian, the initial technology involved a design as large as a desk. Today, we walk around with barcode scanners in our pockets – the smartphone.

The Invention

Joe Woodland first began development of the idea for a barcode around 1949. It wasn't until more than a decade later, in 1960, that the development of laser technology would help bolster barcode technology adoption. Arguably, the first successful barcode design to be read, or scanned, had a bullseye-style design. There were many rings inside of rings.

Around this time, there was an Ad Hoc Committee of the Universal Product Identification Code. They were representatives of the grocery trade tasked with creating the Universal Product Code (UPC), or the first standardized

barcode. This was to define a bar code that could be used for goods sold in supermarkets. It was years later, in 1973, that a rectangular-like bar code was selected as the first UPC.

The technology started to really take off in the 1980s and arguably has not stopped. Also, according to Smithsonian, in 2004, Fortune magazine estimated that the bar code was used by 80 to 90 percent of the top 500 companies in the us. Barcode market maturity had arrived.

Barcode technology is expected to continue to see market growth. By [one estimate](#), the global barcode scanner market is estimated to grow at a substantial CAGR of six percent by 2022. Another [market estimate](#) states around a four percent CAGR growth from 2017 to 2021, creating a value of \$6.3 billion for the global barcode scanner market.

Barcode Technology Reliance

One of the largest uses for barcodes, if not thee largest, is for inventory management. Inventory management spans many industries. It can used to track and restock goods, be it a carrot or television. In healthcare, it can be used to inventory and track pharmaceuticals, while in an enterprise it can be used to track how many laptops an organization has and where they are.

Warehousing is one area that continues to invest in technology to automate processes. [SkuNexus](#) uncovered that 66 percent of retailers will have made a significant investment in warehouse and inventory management technology through 2018. They also found that such investments are partly an effort to combat errors since human error is the top issue in 46 percent of warehouses.

According to the [U.S. Census Bureau](#), manufacturers, retailers and merchant wholesalers in the US carried nearly \$2 trillion in inventory in June 2019. Of this, approximately \$575 billion is held in inventory.

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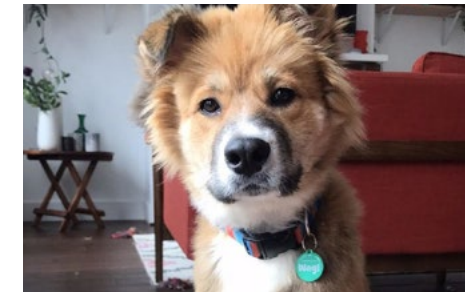
Article by Dynamsoft

A New Dog Tag -- A Smarter Way For Pups To Find Their Way Home

Wag!, the on-demand dog walking and boarding app, in celebration of National Dog Day on August 26, launched the Wag! Tag -- a smarter dog tag that delivers more information to help get your lost dog home more quickly. Unlike a traditional dog tag, the Wag! Tag provides access to multiple phone numbers, health information, and behavioral tips, along with any other important information that a pet parent would want someone who finds their four-legged family member to know.

As part of Wag!'s continued commitment to helping the animal shelter community, the company is launching this product first to animal shelter and rescue organizations across the country free of charge.

"Through our partnerships with shelters across the country, we know how hard shelter and rescue staff work to



find adoptable pets their forever home, and we know that all a lost dog wants is to find its way back to its family," said Noah Horton, Chief Marketing Officer, GreaterGood.org. "We are excited to see Wag!, our long-time partner, launch this free way for shelters and adopters to help reduce the number of dogs with families that end up back in the shelter."

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Socket Mobile Delivers DuraScan 800 Series - A Durable, Attachable Barcode Scanner

Socket Mobile, Inc. (NASDAQ: SCKT), a leading innovator of data capture and delivery solutions for enhanced productivity, announced today a durable barcode scanner series – the D800, D840 and D860 – for users who want to advance their mobile scanning options with drop protection and improved charging options.

The DuraScan 800 series was designed for today's mobile world, which requires durability and a long battery life. Maintaining a compact size for usability, the series is resilient against drops and bumps with its outer rubberized casing. The small, thin size is designed to



be attached to a mobile phone or tablet during the working day and can be easily removed and charged when your shift is complete. Alternatively, it can be used as a stand-alone device in conjunction with a mobile phone or tablet, and easily fits into your pocket.

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ScanSource To Divest Certain Businesses Outside Of US, Canada And Brazil

ScanSource, Inc. (NASDAQ: SCSC) today announced that it initiated plans to sell certain businesses outside of the United States, Canada and Brazil (the "Planned Divestitures"). ScanSource will continue to operate and invest in its digital distribution business in these geographies, including its recent acquisitions of intY, Canpango and Intelisys Global. These plans are part of a strategic portfolio repositioning to align investments with higher-growth, higher-margin businesses.

"These actions will enable us to focus our investments on our higher-growth and higher-margin businesses in the United States, Canada and Brazil, as well as our digital businesses globally. This will give investors increased insight into our long-term growth opportunities." "After considering our strategic options, we decided that the Planned Divestitures...

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New High-Security Seal Can Be Marked With Bar Codes Or QR Codes



TydenBrooks, the global market leader in security seals, announced today the release of the VuBolt, their new ISO 17712: 2013 and C-TPAT compliant high-security bolt seal. This new high-strength, tamper-resistant steel bolt offers extreme durability in all conditions. The VuBolt also has anti-spin locking joint option to prevent friction attacks. Tabs on the bolt align with slots in the lock body to provide evidence of tampering from spin attacks. [Continue reading >>](#)

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Global Expansion Represents a Labeling and Logistics Challenge

- The headquarters in the US must maintain the ability to provide label templates and be able to review and approve regional labels.
- The Malaysia office must be able to transmit the label to the factory in China with accurate instructions including any content or regulatory information required to meet regional guidelines.
- The manufacturer must correctly interpret the instructions, print the label correctly, and then affix it to the product or its packaging.
- Upon arrival, the label must pass scrutiny from customs inspectors in both the UK and the European Union.

Even a drastically simplified chain of events is at least five steps long, and any mistake during any part of this chain can result in fines and shipping delays. The label has the dual purpose of demonstrating to regulators that a product can be legally shipped within a given economic market, while also allowing distributors, shipping partners, and manufacturers to track the product within their inventory. If the label is wrong, all that effort falls flat.

This is why, as your business expands, you need the flexibility to scale your labeling to meet new business requirements. Whether you need to add more locations, increase print volumes, manufacture new products, or comply with evolving regulations, you must adhere to corporate labeling standards and keep up with high volume labeling and expected print speeds. Deploying labeling centrally allows you to maintain consistency, while enabling global locations to solve their unique needs. Ultimately, finding a labeling solution that offers centralized control and ensures consistency, while maximizing regional flexibility is key in enabling businesses to scale rapidly to meet the challenges of global expansion. However, there are a range of hurdles that stand in the way for many businesses today.

Managing Redundant Labeling Solutions

Companies that deploy multiple solutions must deal with an increased maintenance level to accommodate all of the varying platforms. This of course requires readily available access to IT resources, which cost time and money. Additionally, these companies run the risk of not having the specific solution knowledge to react to critical business requirements.

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By Josh Roffman, Software VP Product Management

The rise of mass communications and ubiquitous high-bandwidth connectivity means that global expansion is in reach for larger numbers of organizations. It's even reported that global trade has grown at double the rate of global output since 1980, leading the ever-more complex supply chains. Not least among the resulting challenges is the issue of labeling – namely, being able to meet the increasing variability in labeling that is necessary to comply with global regulations and language requirements. If not dealt with in an efficient manner this type of increased complexity can lead to supply chain disruption resulting in fines and customs delays.

Imagine a company that's headquartered in the US with a manufacturing facility in Malaysia that needs to place an order from a factory in China to be delivered to distributor in the UK. This configuration of vendors, branches, and suppliers is something that's not only possibly but increasingly common in a globalized world. However, you'll need the right supply chain strategy and the right enterprise solutions in place to ensure that can happen efficiently.

It is still difficult to set up supply chain and informational links between remote facilities, as well as suppliers and partners. To manage any new challenges and complexities, companies will need to have a comprehensive Enterprise Labeling Solution in place which can ensure the following is part of a streamlined and efficient process:

- The office in Malaysia must be able to produce accurate and consistent labels which meet corporate guidelines.

KOAMTAC Unveils Accessories Built For Samsung Galaxy XCover 4s And Tab Active Pro

KOAMTAC®, Inc., leader in Bluetooth® data collection, payment solutions, and charging solutions, has unveiled data collection solutions for Samsung Galaxy® XCover 4s and Charging Cradles for Samsung Galaxy Tab Active Pro.

KOAMTAC partnered with Samsung to enhance the XCover 4s, launched in June, with superior data collection and charging capabilities. Custom charging cases for the XCover 4s include options for both inductive charging and charging via Charging Cradle. Additionally, the case compatible with KOAMTAC Charging Cradles can be enhanced with an Extended Battery for lasting power.

A custom SmartSled case is also available for the XCover 4s to enhance data collection capabilities via barcode, RFID, magnetic stripe, and EMV. This



case enables charging via charging cradle of both the data collection device and XCover 4s as well as direct data connection for increased security and speed.

[Continue Article](#)

Smartrac Launches New NFC PRO Series - Taking Secure Product Authentication To Higher Levels

Smartrac Technology Group, a global leader in RFID technology and IoT solutions, has launched the new PRO series of its market leading portfolio of NFC tags and inlays. The company's NFC tag CIRCUS PRO, equipped with NXP's NTAG® 424 DNA IC, will be the first member of the new product series optimized for highly secure product authentication.

By embedding Smartrac's new CIRCUS PRO – or any other future PRO inlays or tags – into physical products, customers such as brand owners and branded product manufacturers can turn their products into secure digital platforms, delivering unmatched value during the product lifetime from point of manufac-



ture, through the supply chain, distribution channels, point of sales, customer usage phase, to reselling and recycling. Key applications enabled by secure product authentication are counterfeit and diversion protection as well as exclusive content and rewards for consumer engagement and customer loyalty programs. [Continue reading >>](#)

DENSO, Creator Of The QR Code, Reflects On The 25 Years After Its Invention

DENSO, the world's second largest mobility supplier, is celebrating the 25th anniversary of its invention of the QR code. The technology, a machine-readable code used for storing information, was created by DENSO-subsiary DENSO WAVE with the goal of achieving more detailed production management at manufacturing sites. To commemorate the anniversary, DENSO WAVE has launched a new website that traces the history, future and benefits of this now-ubiquitous technology.

In the 1980s, barcodes were widely used for manufacturing and distribution processes. However, within a decade, an industry shift from mass manufacturing to more flexible production required a stronger barcode. A two-person DENSO development team was tasked with the challenge, needing to create a code that could store...

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BlackArch Partners Advises On Sale Of Plasco ID Holdings, LLC

BlackArch Partners LLC ("BlackArch") is pleased to announce that Plasco ID Holdings, LLC ("Plasco" or the "Company") has been acquired by Barcodes Group ("Barcodes"), a portfolio company of Odyssey Investment Partners ("Odyssey"). The combination of Plasco and Barcodes represents a natural fit of the two firms' business models and creates a market leader in automatic identification and data capture, ID and access control solutions to small, medium and enterprise clients. BlackArch was retained by Plasco and its financial partner, BV Investment Partners ("BV"), as its exclusive financial advisor. [Continue reading >>](#)

Modernizing Manufacturing and the Supply Chain

By Ken Moir, VP Marketing, NiceLabel

According to new research from APQC, 74% of respondents predict that digitalization of the enterprise will have a major impact on supply chain management over the next three years. The research report also identified the top priorities for manufacturing and production as cutting costs, implementing new technologies and capabilities, and standardizing processes.

In today's modern world, manufacturers face a raft of challenges — demand variability, potential supply constraints, increased compliance, greater global competition and increasing customer expectations to name a few. As a result, it isn't surprising that many are looking for ways to reduce costs and standardize processes — technology can be one way to address this but its more than just digitally enabling your supply processes to order more parts when stocks run low. This is an important part, but have you given the same attention to your barcode labeling systems?

Each industry has their own challenges but if you are involved in manufacturing and supply, each product's labels must be traceable, compliant and transparent — not just within country, but across borders as well. This leads to huge challenges with the sheer amounts of data generated, all of which needs to be clear and understood by everyone, from all departments (IT, manufacturing, logistics etc.) within your own company, to your suppliers, customers and consumers. How can quality, accuracy and productivity be assured when there are so many stakeholders and so many label variations?

Challenges for labeling systems

For most companies, labeling has not been given much attention in the past unless it caused a problem. As a result, it is common for each factory, distribution center or other facility to produce its own labels for shipments, inventory

control and other processes. Each facility may have its own labeling software along with a host of different label printers. Clearly, this can lead to inconsistencies across your organization, but the costs associated with such a disparate system can also be higher than you may be aware of.

Imagine if a customer requests a change to one of your shipment labels. With a decentralized system, inaccuracies become more common — in fact, mislabeled products are a leading cause of recalls. Indeed, the Food Industry Counsel states that mislabeled products were a key cause of product recall by the FDA in 2017. But inaccuracies can also have more subtle consequences, such as degradation in quality which undermines your brand, as well as the risk of errors leading to non-compliance and latency issues.

Time is a precious and costly commodity and having to use highly paid employees to change your label templates, especially when printer command scripting is required, is both time consuming and expensive. With multiple labeling processes and systems across your organization, further latency and costs are introduced.

Digitalizing the labeling process

Digitally transforming your labeling offers a way to centralize and keep control of your labeling processes, regardless of location. It doesn't matter if the labels are needed for the factory or your distribution center; they can be produced, changed or updated from a browser and accessed by whom and where they are needed.

A modernized, centralized labeling system can enhance your agility and quality, reduce costs and promote better supply chain collaboration within your organization.

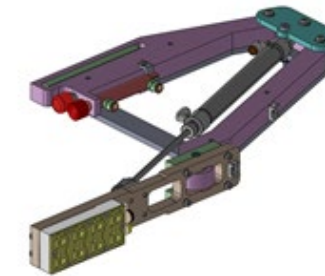
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ID Technology Introduces Tilt-Touch™ Label Applicator Module #PackExpo

ID Technology, a product brand of Pro-Mach, introduces September 23-25 at Pack Expo in the Las Vegas Convention Center, the latest addition to their portfolio of label applicator modules, the TiltTouch™. Booth #C-3225

The patent pending TiltTouch is designed to apply one or two GS1 compliant barcode labels to shipping cases, trays and shrink-wrapped bundles at higher output speeds than previously possible.

“Our customers have been looking for a way to print and apply barcode labels to adjacent faces of a package, while keeping up with modern high-speed production lines without jeopardizing barcode print quality,” says David Holiday, Director of Product Marketing at ID Technology. “Wrapping a single long label around the corner of the pack is



a common technique, but the restricted print speeds of thermal printers can create a production bottleneck and the barcodes are printed in the less-desirable 'ladder' orientation. TiltTouch is the natural solution to these problems, allowing high-speed labeling and excellent barcode quality, while maximizing equipment efficiency.”

[Continue Article](#)

Janam XT200 “Android Enterprise Recommended” Rugged Touch Computer



Janam Technologies LLC, a leading provider of rugged mobile computers that capture data and communicate wirelessly, today introduced the industry's most rugged touch computer with a 5-inch display and Google's “Android Enterprise Recommended” (AER) certification. As part of the AER program, Janam's XT200 runs feature-rich Android 8 (Oreo), can be upgraded to Android 9 (Pie) and supports five years of software security patches.

The XT200 is built to thrive in the most demanding retail, direct store delivery and field service environments. From inventory tracking to point of sale to proof of delivery, Janam's new XT200 streamlines operations, delivers optimal efficiency and... [Continue article>>](#)

Toshiba's Latest Thermal Barcode Printer Tackles Compliance-Driven Applications



Toshiba America Business Solutions today unveils its premium thermal barcode printer which delivers high-resolution labels with precision and speed. Toshiba's B-EX4T3HS prints 600 dots per inch at speeds up to six inches per second. In addition, Toshiba's printer delivers extreme accuracy and can print labels as small as 0.51 inches wide by 0.12 inches high.

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RECON Contract For Supply Chain Optimization By 2THEDGE

2THEDGE has awarded Communication Concepts, Inc. a contract to conduct Research and Engineering on a Capability of Need (RECON) for next generation computer vision solutions to improve supply chain execution and efficiency in accelerating the sorting, routing and movement of materials.

Leveraging 2THEDGE's agile Testing and Experimentation as a Service (TEXaS) capabilities, ComConcepts will develop Computer Vision Models to identify and classify critical assets, demonstrate a working prototype and deliver a feasibility assessment within 45 days. [Continue reading >>](#)

Denso Demonstrates Clever New QR Code Image Recognition Technology At #PackExpo

by Craig Aberle

Denso, the inventor of the QR code, demonstrated image recognition technology at PackExpo this week. A new and clever approach to image recognition, the technology converts facial recognition data to a special encrypted QR code that can be applied to an ID card for access control or other uses. The facial image data is embedded in a QR code that is both encrypted and hidden from a standard QR code reader.

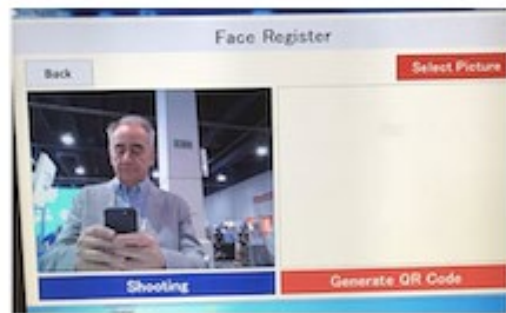
How it works:

A person's image is scanned, and a unique encrypted QR code is created. (The data is NOT stored on any computer, thus alleviating privacy concerns.) The QR code can be put on an ID card, for example. The card can then be used for access say at a secure location, or maybe a kiosk to pick up pharmaceuticals or other restricted items. The card is scanned at the pick up location and the person's face is then verified to match the encrypted data, so no one can use someone else's card.

Attempts to scan the QR code with a regular 2D reader will produce a simple message and no encrypted data is readable. The actual QR code is hidden and not readable by phones or other devices.

Some uses include ID cards for amusement parks or the unmanned pickup of items like alcohol, marijuana or prescriptions. The facial image data is not stored anywhere except on the ID card which is a terrific approach and alleviates privacy concerns. It also allows for remote verification where Internet access may not be available.

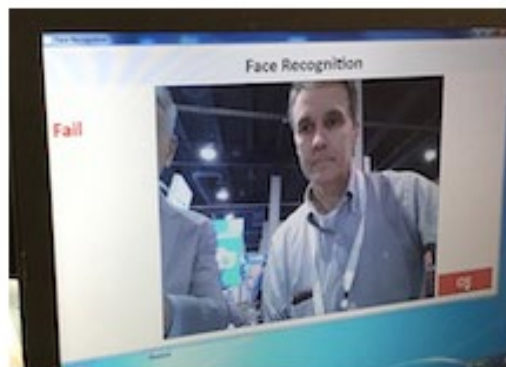
For more information please email info@denso-adc.com.



My image is scanned



An encrypted QR code is created



Access attempted by unauthorized party (see FAIL message on left)



Successful recognition of my face using QR code data

Stable, Strong Wi-Fi Keeps Ever-Changing Inventory Moving In 1.2M Sq Ft Distribution Center



At a time when many big-name brick-and-mortar stores have closed, Ocean State Job Lot is flourishing. The close-out retailer has a devoted customer base that loves the “adventure shopping” experience that’s offered by Job Lot.

Job Lot’s tractor trailers—emblazoned with “Home of Adventure Shopping”—crisscross New England, delivering products to over 135 stores. The privately held company, which just celebrated its 40th anniversary, stresses providing extraordinary value for hard-working families. And pursuit of value means that Job Lot doesn’t focus on specific product categories. Its

merchandise is eclectic and surprising. Customers love the unexpected—and it keeps them coming back for a new adventure.

Now imagine the challenges of warehousing this constantly changing inventory of items of all shapes and sizes. All products are moved through Job Lot’s 1.2 million square foot distribution center in North Kingstown, Rhode Island. The building has 44-foot ceilings and storage space for 88,000 pallets of goods.

Article by SAB Solutions

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ADLINK’s #SmartPalletExperience At #PackExpo Las Vegas 2019 To Demonstrate The Power Of AI In Packaging

ADLINK Technology, Inc. and Amazon Web Services (AWS) with Intel and Rover Robotics are coming together to demonstrate the power of artificial intelligence (AI) in packaging with the interactive Edge IoT #SmartPalletExperience at Pack Expo Las Vegas 2019. Featuring machine vision, AI and robotics technology, conference goers can get hands-on to see how Edge IoT can quickly help increase pallet profitability, quality inspection, automation, and productivity within the distribution center and manufacturing floor. The immersive experience features two game-like demonstrations where attendees stack pallets and race the clock for a chance to win a \$100 Visa gift card and interact with Rover the Robot for a t-shirt.



The Smart Pallet Race highlights vision-based machine learning powered by ADLINK Edge, AWS IoT Greengrass and Intel IoT... [Continue reading >>](#)

ID Technology Introduces New CrossMerge™ Label Applicator #PackExpo

ID Technology, a ProMach product brand, introduces their CrossMerge™ label applicator module for print & apply labeling at Pack Expo Las Vegas booth #C-3225. Ideal for high-volume secondary packaging lines, the patent-pending new CrossMerge technology increases label output at the same time it simplifies mechanics and improves print quality and barcode readability.

“CrossMerge is a unique new concept for labeling secondary packages with GS1-compliant barcodes at very high speeds,” said Mark Bowden, Regional Sales Manager at ID Technology. “Like other label applicator modules in our PowerMerge™ family, CrossMerge decouples print speed from line speed to simultaneously increase output and improve print quality compared to traditional tamp or feed-on-demand print & apply labelers.

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Smartrac Launches BLOCK ON-METAL NFC Tags With Excellent Performance On Metallic Objects

Smartrac Technology Group, a global market leader in RFID products and IoT solutions, today announced the launch of its BLOCK ON-METAL tags. These flexible, ferrite-based NFC inlays and tags are suitable for multiple industrial, retail and B2C applications where items with metallic surfaces need to be identified or interacted with. In its new BLOCK ON-METAL tags, Smartrac combines a performance-optimized antenna design with a thin layer of flexible ferrite material, which isolates the magnetic field from the metal surface. Ferrite redirects the reader's inductive field and prevents energy from being wasted as heat within the metallic surface. [Continue reading >>](#)

How Smartrac is Helping to Build the Future of Parking

Have you ever stood in front of a defective parking machine? Or waited in line trying to get to one? If the answer is yes, Smartrac and its partner HonkMobile have good news for you: the world's first virtual parking meter, HonkTAP is there.

Developed by North America's leading provider of on-demand mobile payments and advanced reservations for parking, HonkMobile, and leveraging customized 'BLOCK ON-METAL' NFC tags from Smartrac, HonkTAP is a groundbreaking innovation in parking. Instead of paying for parking using traditional parking machines which are known to experience e.g. vandalism, periods of downtime and queues, consumers can simply tap their smartphone on any Honk sign, enabled by Smartrac's NFC tags, and pay for parking just in seconds with no app download or user registration required. The signage can be as simple as a sticker on a parking meter or as robust as integrated signage or a standalone structure.

First Major Parking Service Fully Leveraging Apple Pay

HonkTAP provides a seamless 2-click payment process by fully leveraging Apple Pay and the underlying NFC functionality of all smartphones. While procedures may vary slightly depending on the needs of individual parking operators, any parking customer with an NFC-enabled iPhone for example can proceed to any HonkTAP sign and tap it with the phone. The iPhone will then open a guest checkout HonkMobile page, where the user will be asked to input a license plate number and trigger an Apple Pay payment. With this, so called Tap-to-Pay application, HonkTAP is the first major parking service to fully leverage Apple Pay's payment service.

Nonetheless, the world's first virtual parking meter is not restricted to iOS users: Android users get the same great experience by choosing a payment method from Google Pay, PayPal or any major credit card.

Latest Technology for the Ultimate Parking Experience at the Point of Payment

Smartrac's high-quality RFID technology know-how comes into play by triggering the point of payment; consumers tap their smartphone on a HonkTAP parking sign or structure that contains a secure and reliable NFC tag, which works flawlessly on metallic and other surfaces thanks to its design, performance and form factor.

BLOCK ON-METAL NFC Tags Enable Best-in-class Tapping Skills

To meet all application and product requirements, Smartrac has specifically developed and customized its BLOCK ON-METAL NFC tags to meet Honk's needs for maximum read range and user convenience. Equipped with NXP's SLIX2 ICs which feature optimized tuning for on-metal surfaces, BLOCK ON-METAL inlays and tags enable best-in-class tapping distances as defined by global NFC standards, despite being extraordinarily thin (approx. 1mm) and flexible.

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ProAmpac Is Delivering Greener Flexible Packaging Through ProActive Sustainability #PackExpo

ProAmpac's exhibit at PACK EXPO 2019 showcases how Collaborative Innovation is delivering the sustainable flexible packaging solutions today's consumers want and brand owners need.

"Many consumer-packaged goods (CPG) companies have pledged to make packaging reusable, recyclable or compostable by 2025," said ProAmpac CEO, Greg Tucker. "This is an enormous challenge and one that ProAmpac has been dedicated to with a company-wide initiative we call ProActive Sustainability®."

"We're delivering more sustainable flexible packaging options to our customers today and developing even more for the future," said Tucker.

Flexible Packaging is More Sustain-



able "When it comes to sustainable packaging, there is one overarching contributor to those goals - flexible packaging itself," added Adam Grose, chief commercial officer. "In contrast to rigid, flexible packaging increases the product-to-package ratio while enhancing manufacturing efficiencies and lowering distribution and storage costs," said Grose.

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FourKites® Recognizes Supply Chain Visibility Leaders At 2019 Visibility Conference

At its second annual Visibility Conference, FourKites®, the leader in predictive supply chain visibility, today recognized four companies that are leveraging real-time visibility to improve customer satisfaction and achieve greater business results. From a pool of Fortune 500 applicants covering a range of industries - including manufacturing, food and beverage distribution, and consumer packaged goods - this year's inaugural Golden Kite Awards went to C&S Wholesale Grocers, PetSmart, Ryder and Cracker Barrel Old Country Store, Inc. Winners were determined by votes from FourKites' network of shippers, carriers and 3PLs.

C&S Wholesale Grocers, the largest wholesale grocery supply company in the U.S., was the winner of the Golden

Kite Customer Experience Award. Under the stewardship of Transportation Technology Manager Meghan Reilly, C&S Wholesale Grocers reported a 65 percent reduction in internal "Where's my truck?" calls within three months of deployment, and began their rollout of FourKites ETA push notifications to customers. 92 percent of participating customers reported high satisfaction scores and improved overall customer experience.

PetSmart, the largest specialty pet retailer of services and solutions for the lifetime needs of pets, took home the Golden Kite Award for Innovation & Technology. According to PetSmart's Dawn Goudie, Senior Manager, Supply Chain, the pet retailer achieved tracking consistency...

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59% Of High-Growth Small Businesses See Direct Correlation Between Sales Growth And Complete Product Information- GS1

A new study titled "Charting the Growth Journey: From Product to Profitable Business," conducted by GS1 US® in collaboration with Longitude, a Financial Times company, found that 59% of high-growth small business owners see a direct correlation between providing complete product information (such as images, product origins, and more) in their online listings with the number of products sold. These growth leaders are defined as having achieved more than 25% growth in the past year.

Additionally, 57% of these same growth leaders indicated that using universal product codes (U.P.C.s) in their product listings helps customers more easily find their products online. The full study, which examined key drivers of small business success across multiple retail industries...

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FujiFilm Dimatix To Showcase Industrial Inkjet Barcode Printer Innovations At #PackExpoLasVegas



Advanced inkjet printbar technologies developed by FUJIFILM Dimatix, Inc. will be showcased at the upcoming PACK EXPO Las Vegas, September 23 - 25, 2019, at the Las Vegas Convention Center. [Continue reading >>](#)

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Seed-to-Sale Traceability:

The incremental role of barcodes and RFID's in regulatory compliance of the commercial cannabis industry



By Zac A. Papantoniou, JD, Operations Manager, BarcodesTalk

As of the current date, thirty-three states and the District of Columbia currently have passed laws broadly legalizing cannabis (aka "marijuana" for those still not "in the know") in some form. Let that sit and marinate in your mind for a moment - what was once considered a taboo vice (not to mention a crime) to partake in, a mere 23 years later has become common-place, legal in 66% of the country, and a booming commercial cash-cow for business. According to a Dec. 2018 report by NBC, legal marijuana was a \$10.4 billion industry in the U.S. in 2018 with a quarter-million jobs devoted just to the handling of marijuana plants. In 2018, investors pouring in over \$10 billion into cannabis in North America, and with the combined North American market expected to reach more than \$16 billion in 2019.

"Seed-to-Sale" Tracking, Barcodes and Their Role In Regulatory Compliance

The states that have legalized cannabis have taken it upon themselves to require comprehensive due diligence from every person in the chain of custody, so to speak, of the cannabis and products made from it.

Regulation is so strict at the state level because, despite the "legal" classification in states that have approved it, under federal law cannabis is still categorized as an illegal Schedule I narcotic - as such the burden is on the states that have legalized marijuana (whether recreationally or medically, and in some cases both) to prove that legalization has not aided



black market activity. Therefore, to ensure cannabis products are safe to consume, and to prevent any parts from making their way to the black market, state and local regulators require marijuana plants be tracked and traceable from seed all the way to sale.

This mandatory tracking compliance requirement is shared by all states that marijuana has been legalized in thus far, and is known as "seed-to-sale tracking" -- which, as its name implies, is responsible for following a cannabis plant from the time its seed is planted in soil until it is purchased at a dispensary. This includes tracking every detail from sewing of seeds to selling of the final products. Growers are generally required to keep tabs on each plant, including its origins, strain, use (medical/recreational), placement within the growing facility, and even the names of employees that have handled the product at all stages - this is where barcode and RFID technology comes into play.

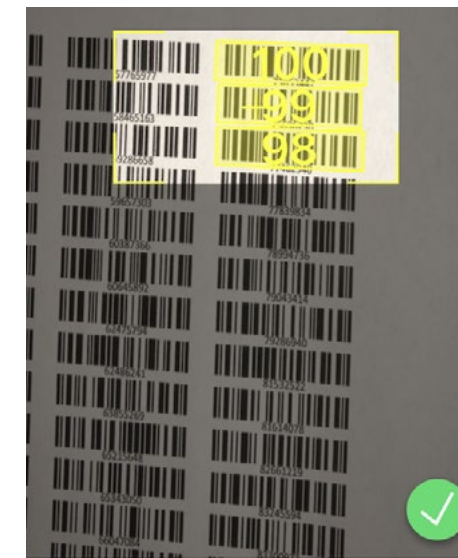
Generally speaking, barcodes are fairly simple - they essentially provide a graphic representation of an identifying number. Each individual code is tied to a specific record and field in a database, with the "UPC-A" code being the standard used in the United States to identify individual retail products. While the most common use of barcodes is inventory control, they also have the ability to provide a veritable cornucopia of data, which will be discussed in greater detail below.

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Smartphone App Scans 100 Barcodes In Under 20 Seconds - Exclusive To Barcode.com

CodeREADr Inc., a global leader in enterprise AIDC apps for smartphones, tablets and dedicated barcode scanning devices, has today announced the immediate availability of its Fusion Mode technology which syncs together batch barcode scanning, augmented reality (AR), framing, and symbology intelligence for optimum performance. With the Fusion Mode, the cameras of supported devices can now accurately scan up to 100 barcodes in less than 20 seconds.

Fusion ModeThe Fusion Mode combines batch barcode scanning, augmented reality (AR), framing, and symbology intelligence within a single framework that can be configured globally by administrators simply with a series of clicks on the CodeREADr SaaS platform.

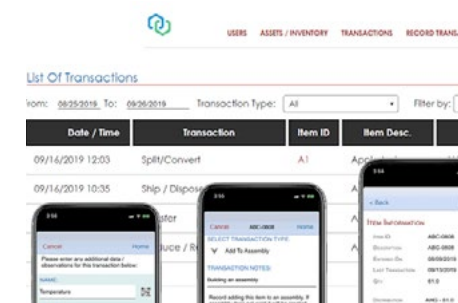


Barcodes: 100, Selected: 100

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Manufacturing and Food Traceability with Blockchain and Mobile Technologies

Still using notepad or a spreadsheet to keep track of lots and batches? Congratulations! You loose money daily on the extra effort. You lose opportunities by not being able to bid on attractive projects. And if you are in a food industry, congratulations again! You are in violation of the Title 9, Chapter III, Subchapter E, Part 417, Paragraph 417.4 of the Code Of Federal Regulations that requires you to create, validate and maintain Hazard Analysis and Critical Control Points (HACCP) plans, record and keep records of relevant lot and batch data. Lot traceability is not a "nice to have" option; it is a requirement for manufacturers, food and beverage manufacturers, food preparation, food service and produce companies.



You already know that, right? What you don't know is that you do not need to be a large corporation with deep pockets to be able to afford necessary HACCP tools. Shared Traceability is a new generation traceability software that uses modern technologies (blockchain, mobile, QR codes, cloud) to make traceability process easy and intuitive.

[Continue reading >>](#)

Smart Factory Uses QR Codes To Have Robots Making Robots

Geek+, a global leader in advanced robotics and AI technologies has launched the world's first smart factory using robot arms to make mobile robots. Based in Nanjing, the factory uses Geek+ robots, AI algorithms and other automated solutions to manufacture new Geek+ robots. 100% of the Company's robots are produced by the factory, a testament to the performance and strength of the solution.

With an increasing demand for customization and limited release products, product cycles are getting shorter and shorter, making flexible production an essential aspect of the manufacturing industry. Autonomous mobile robots in factories are the best way to achieve flexible production and can also help companies realize a smart and agile supply chain.

[Continue reading >>](#)

New Survey Reveals 80 Percent Of Manufacturers Mislabeled Products Annually

Digimarc Corporation (NASDAQ: DMRC), creator of the Digimarc Platform for digital identification and detection, today announced the results of a survey sponsored by Digimarc and Datalogic, a global leader in automatic data capture technologies. The survey, conducted by Packaging World magazine and released following PACK EXPO 2019, shows that for manufacturers that monitor label accuracy, 80 percent will report a problem from mislabeled products on their primary production line this year. Shutting down the line and fixing errors takes time and resources which leads to higher operating costs and reduced profit margins. [Continue reading >>](#)

How Barcodes On Labels And Packaging Support Flexibility In Consumer Packaged Goods Manufacturing

by Felix Klebe, Advanced Sensing Market Manager, Omron Automation Americas

As SKU proliferation becomes more widespread among consumer packaged goods (CPG) manufacturers competing for the loyalty of an increasingly choosy customer base, the need for flexible and robust manufacturing systems is taking centerstage. Today's market puts a premium on flexibility, and the resulting product diversity is broadening the challenge of ensuring that product and packaging match up every time.

Manufacturers can overcome this challenge by making intelligent use of barcodes on labels and packaging materials to ensure that the right products are put in the right packages, both at the unit and case packaging levels. Overall, barcoding technologies and overall traceability solutions like the ones offered by Omron Automation Americas are becoming much more widespread in CPG labeling to help companies maintain high levels of accuracy while responding flexibly to changes in consumer demand.

A quick intro to the role of barcoding in product traceability

A barcode is basically a machine-readable representation of alphanumeric data that identifies and provides supplemental information about the product on which it's labeled, printed or otherwise marked. The alphanumeric data is known as the barcode data string, while the barcode itself encapsulates this data in a specific pattern called a symbology. There are multiple symbologies in use today, and the choice of symbology depends on the space available for the barcode, the amount of data needing to be encoded within it, and in some cases, industry specifications such as GS1.

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PackExpo Brings Robotics, Labeling, Machine Vision and more to Las Vegas

I was fortunate to be able to attend PackExpo Las Vegas last week, it was an exciting, eventful show featuring 2,000+ exhibitors spread out over 900,000 net square feet of exhibit space. The show covered 40+ vertical industry markets and 30,000+ attendees came from nearly 130 countries. Below are images from some of the many booths I visited. It was a terrific show and I look forward to the next one! - Craig Aberle



Above:
An Omron robot demonstrates its capabilities as it moves around the show floor.

Below:
A Microscan LVS bar code verifier analyzing quality



Above:
DENSO robot plays the marble game! Click on the image to see the video.

Right:
Machine vision technology checking for quality in multiple ways



Above:
An Omron robot demonstrates its capabilities as it moves around the show floor.

Below:
The robot bartender above wasn't at PackExpo, I ran across him in a mall in Las Vegas. Click on the image to watch it mix and pour a drink.



#PACKEXPO2019

Labeling Best Practices

5 Labeling Best Practices to Help Your Company Barcode Better

by Jenna Wagner, TEKLYNX Global Sales & Marketing Director

Barcode labeling is mission-critical in global supply chains to ensure that the right product gets to the right place at the right time. Supply chain labeling is becoming more complex as customer demands increase and companies are faced with getting products out the door faster and more efficiently. In a recent survey to TEKLYNX end users and partners, five common goals emerged among companies to achieve greater labeling efficiency, accuracy, and compliance.

- Print faster
- Reduce errors
- Do it the same way
- Prepare for future growth
- Make it easy

“No one can be an expert on everything, so it’s important to work with partners and vendors that you can trust. Lean on them to provide guidance on best practices”

Goal #1: Print Faster

Faster print speed is a common goal from small and medium sized organizations to large global enterprises. Some methods to increase print speed involve how labels are designed, but the most effective way to spend less time printing is to streamline label printing processes. More organizations are looking to increase efficiencies and implement automation by leveraging enterprise label management solutions to print faster.

Labeling Best Practices to Print Faster

Optimize software to printer communication

Leverage a labeling solution that has native embedded printer drivers to ensure true WYSIWYG (What You See Is What You Get) label printing. TEKLYNX has invested in over

3,000 native embedded printer drivers to ensure optimized printer communication. With WYSIWYG label printing, time isn’t wasted because of redesigning and reprinting, you just print and go.

Utilize forms in your software

Customizable label printing forms give users full control to develop ideal printing processes within their labeling environments. Forms allows for the separation of design users from print users which helps to reduce errors while creating efficiencies. Enforcing data entry rules within print forms ensures that label data is formatted correctly 100% of the time resulting in less time designing labels and faster time to print.

Print directly from the internet

Some of the most efficient printing processes don’t even involve opening the label design software. When the user doesn’t have to launch a standalone application, time is shaved off the process. A browser-based-printing interface can be leveraged from anywhere in the world and enables efficient supplier-network label printing.

Goal #2: Reduce Errors

Labeling errors can be extremely costly, and even trigger recalls. They are not only detrimental to safety but can also add huge unforeseen costs.

Labeling Best Practices to Reduce Errors

Create database-driven label templates

Human errors are a common culprit for incorrect labels. Manually entering data, text, or images on labels often lead to mistakes. Leverage data that resides within an existing ERP or other business system to create smart database-driven label templates to eliminate error-prone manual labeling

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Epson Introduces Four New ColorWorks On-Demand Color Label Printers

Epson America today announced four new additions to its ColorWorks® on-demand color label printer lineup – the ColorWorks C6000A, C6000P, C6500A, and C6500P. The first printers specifically designed as a color upgrade to black-only thermal transfer printers¹, the new ColorWorks models deliver on-demand, 4- or 8-inch color labels at a comparable price². Engineered for mission-critical applications, the reliable printers speed through labels at up to 5-inches per second³. The printers enable industrial and commercial organizations to produce high volume color labels for production use. The new ColorWorks label printers are on display at Pack Expo in Las Vegas, Nev., Sept. 23-25, 2019, at Epson’s booth, #C-5204.

“The industry recognizes the benefits of on-demand color label printing, but we also know it can be difficult to



make the transition from a black-only thermal transfer printing process that is already set up in the current workflow,” said Andy Scherz, senior product manager, Commercial Label Printers, Epson America, Inc. “This new family of ColorWorks on-demand label printers provides an easy transition for customers looking to make that vital switch, with similar media handling capabilities, speed, features, and connectivity options that deliver...

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Toshiba Spotlights Best-In-Class Printing Systems At #PACKEXPO2019

Toshiba America Business Solutions is showcasing two new products at PACK EXPO 2019, Sept. 23-25, booth Upper South Hall 7677, at the Las Vegas Convention Center. The company’s best-in-class pair of thermal barcode printers blend compact and durable designs with precision-accurate labeling. Toshiba also spotlights the Sprinter™ automated shipping system, a product collaboration with Panther Industries and StreamTech.

Toshiba’s just-introduced BA400 thermal bar code printer combines the latest in connectivity – USB, Bluetooth, Ethernet and Near-Field Communication – with the necessary throughput



(up to eight inches-per-second) to fulfill virtually any manufacturing, distribution, retail and healthcare labeling requirements. [Continue reading >>](#)

Canon Announces First Two Value-Added Resellers For ID Card And Label Printer Lines

To help drive business and profitability, Canon U.S.A., Inc., a leader in digital imaging solutions, today announced the addition of two new value-added resellers. Capital Business Systems, one of the largest independent office technology, managed document and network service dealers in the Midwest and Mountain regions, and Symbology Enterprises Inc., a leading integrator of data collection solutions on the east coast, are the first value-added resellers to offer Canon’s reliable lineup of inkjet card printers, thermal re-transfer card printers and dye and pigment label printers.

“Requests for options from current and potential clients for security ID card printers and label printing have increasingly grown at Capital Business Systems. As a print vendor, we want to ensure that the quality of solutions we offer matches... [Continue reading >>](#)

Hire Ground Launches Supplier Account Side Of Supply Chain Inclusion Platform

Hire Ground, a leader in the diversity inclusion platform space, launched the Supplier side of its supply chain diversity platform today. Hire Ground is focused on bringing suppliers and buyers together to create a more viable, profitable and competitive landscape for procurement buyers and diverse owned businesses.

Hire Ground is focused on helping any diverse business owner scale their business. The new side of the platform is designed to meet the needs of a small to medium-size diverse business and provide introductions and opportunities with Fortune 500 companies looking to find more diverse suppliers to fill their pipeline. [Continue reading >>](#)

Home Furnishing Manufacturer Sleeps Soundly After Integrating Barcode Labeling Solution With WMS



Revman International's investment paid for itself in less than six weeks.

The Customer

Revman International, which got its start in 1988, is a provider of high fashion home furnishing goods. Revman markets products under its own brands such as Stone Cottage, Nine Palms, and Azalea Skye, and has grown to include a portfolio of designer brands and fashion products for bed and bath. The company also develops private label collections for major retailers such as Kohls, Walmart, and Bed Bath & Beyond.

Headquartered in the iconic Empire State Building in New York City, Revman has become a global brand trusted by retailers worldwide. Revman's approach to developing its products through outsourcing has enabled the company to produce high quality goods at competitive prices.

In order to maximize their global resources, in 2008 Revman deployed Manhattan Associate's SCALE (Supply Chain Architected for Logistics Execution) Warehouse Management Software to manage their supply chain. Through SCALE, Revman has been able to manage the high volume of goods they receive and ship world-wide.

The Challenge

Due to the expansion of ecommerce retail, Revman's international vendor partners needed to increase drop shipping. To support their partners, Revman physically printed and mailed stacks of retail compliance labels for the vendors to affix to the drop shipped cartons. At first this worked well, but as their vendor community grew from a handful to dozens of manufacturing partners worldwide, Revman found themselves printing and shipping large batches of labels which was time consuming and expensive.

Article by Cybra

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Image licensed via Pexels.com

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Click below to get more Barcode news.



MAKE A BARCODE OR A QR CODE

Create a free bar code or QR code using these free tools

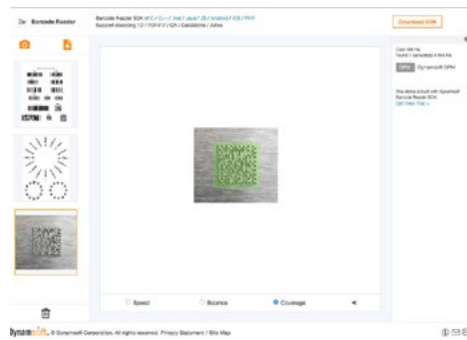


Dynamsoft Barcode Reader SDK Now Supports DPM Barcode Scanning & Decoding

Dynamsoft has introduced support for Direct Part Marking (DPM) barcodes to serve customers in aerospace, automotive, electronic manufacturing, healthcare, telecommunications and other industries in need of tracking parts through their full life cycle.

DPM bar codes contain important information used to identify parts, provide manufacture dates, safety requirements, warranty information, and much more. However, they are in a class of their own in their difficult to decode. As a result, they require a special barcode reader due to a variety of unique scan and decode challenges.

Color and contrast are common problems, often because background and foreground colors are too similar between the part and a DPM barcode. Second, unlike Data Matrix barcodes that use two solid lines, DPMs use dots. If dots are too close together or too far



apart it can cause decoding errors. They can also have inconsistent dot shapes that cause problems. And, surface imperfection problems are also common due to varying textures, reflections, curves, and so on. Finally, lighting is an issue either because DPMs are often in underlit areas or when put under lighting have highly reflective surfaces.

Dynamsoft's DPM Barcode Solution...

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Skyhawk Kiwi Remote Asset Monitoring Device Now Available

After extensive real-world testing, PICA Product Development (PPD) is pleased to announce the commercial launch of the Skyhawk Kiwi. Skyhawk products are powered by a revolutionary new LTE cellular technology that functions cohesively with ultra-low power semiconductor technology, crafted with proprietary design techniques. The Skyhawk platform offers unsurpassed national coverage, low-deployment costs, and reliable monitoring products.



in long-term remote monitoring applications with its built-in connectivity and internal power supply.

The Kiwi features an easy to activate process through a modern iOS...

Compact, weatherproof, and cost-effective, the Kiwi is ideal for deployment

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RF Controls Announces Strategic Partnership With RTV Engineering

RF Controls LLC, a leading provider of advanced, state-of-the-art asset tracking solutions, announced today that it has established a new strategic partnership with RTV Engineering, a leading software and systems integrator servicing the defense, consumer goods and industrial marketplaces. Together the companies are providing a new and innovative approach for manufacturers and warehouse managers to confidently and intelligently manage their inventory by delivering real-time item level visibility and actionable data to drive business growth, improve efficiency and prevent loss in harsh and challenging indoor environments.

RTV Engineering is leveraging RF Controls' patented overhead, always-on, hands-free passive real-time location system ("pRTLS") which continuously identifies, locates and tracks RAIN RFID...

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AIM North America Honors NATO As 2019 Organization Of The Year

AIM North America (AIM NA), representing AIM in the U.S., Canada and Mexico as the trusted industry association for the automatic identification industry, providing unbiased information, educational resources and standards, announced it has named NATO Allied Command Transformation as the recipient of the 2019 Organization of the Year Award. Established in 2013, this award is presented to an organization in recognition of outstanding contributions and service that have furthered the growth... [Read more >>](#)

Asset Panda In Top 100 For Inc. Magazine's Annual List Of Fastest-Growing Private Companies

For the Second Time, Asset Panda Appears on the Inc. 5000, Ranking Number 83 With Three-Year Revenue Growth of 3,779 Percent



Inc. magazine recently revealed that Asset Panda is No. 83 on its annual Inc. 5000 list, the most prestigious ranking of the nation's fastest-growing private companies. This is the second time Asset Panda has been included on the list that represents a unique look at the most successful companies within the American economy's most dynamic segment—its independent small businesses.

Founded in 2012, Asset Panda is a powerful and flexible cloud-based asset management platform designed to help the world work smarter. The platform is designed with flexibility in mind,

which allows Asset Panda to be configured to work the way the user does, for any kind of company. The company is committed to providing its customers with outstanding customer service and a constantly improving product.

"Being ranked in the top 100 for the Inc. 5000 list is an honor," said Rex Kurzius, CEO of Asset Panda...

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ID Technology Introduces 255ST Label Printer Applicator #PackExpo

ID Technology, a ProMach product brand, introduces the latest addition to their 255 label printer applicator system at Pack Expo Las Vegas booth #C-3225. 255ST is an all-electric system (plant air is not needed) designed to label items such as shipping cases, trays and shrink-wrapped bundles.

"255ST adds to our already successful 255 family" said David Holliday, Director of Product Marketing at ID Technology. "All 255 products are equipped with Allen-Bradley PLC controls and have extensive communications capabilities. They are compatible with the PackML machine control language, making them ideal for companies that

have adopted this standard. The new 255ST brings new capabilities to this product range, while keeping the flexibility and modularity, ID Technology is known for."

The 255ST is ideal for labeling the top of products in distribution centers and warehouses, either when receiving items (a unique barcode license plate barcode is usually printed and applied to each package) or for printing and applying shipping labels as items are shipped from the distribution center.

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Global Coding And Marking Equipment Expected To Record CAGR Over 7% During 2019-2023

Global Coding and Marking Equipment Market: About this Market

Coding and marking equipment is used to print information such as manufacturing date, logos, expiry date, batch number, and others on the surfaces of products.

This coding and marking equipment market analysis considers sales from CIJ printing and coding, laser coding and marking, TIJ printing, DOD printing, and other segments. The market vendors cater to end-users, including food and beverage, industrial, healthcare, and others. Our analysis also considers the provision of Coding and Marking Equipment in APAC, Europe, MEA, North America, and South America. In 2018, the CIJ printing and coding segment held the highest market share, which is expected to remain prevalent over the forecast... [Continue reading >>](#)

AIM Selected As International Registration Authority For RFID Standard

AIM, the trusted worldwide industry association for the automatic identification industry, providing unbiased information, educational resources and standards for nearly half a century, announced it has been designated as the International Registration Authority (RA) for the ISO/IEC 15961 Standard, Information Technology -- Data protocol for radio frequency identification (RFID) for item management by the International Organization for Standardization (ISO). Manufacturers of RFID equipment (interrogators, RFID tags, etc.) and the users of RFID technology require a standard-based data protocol for RFID for item management.

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An RFID Based Community ID Solution To Address The US Immigration Crisis

everyID™, an innovative leader in trusted identity solutions, today announced the launch of its flagship ID card platform. everyID's solution is designed to meet community needs for non-documented immigrants across the country. The solution is a credential-based RFID application allowing communities large and small to easily implement a scalable card identity program, locally, and securely in a matter of days.



Ekers stated.

Ekers went on to say, "Immigrants came here because our policies drew them here. We wanted the inexpensive labor. We wanted cheap strawberries, housekeeping and roofing. We incentivized immigrants with free healthcare, welfare and free education but did not change our laws..."

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"As Presidential candidate Senator Amy Klobuchar commented in the last debate, immigrants don't diminish America, they are America. She noted 70 of the Fortune 500 companies are headed by people from other countries," John

GS1 US Trace-A-Thon Enlists "Hackers" To Uncover New Product Traceability Solutions

GS1 US® will host a hackathon on October 19-20, 2019 in San Francisco, CA focused on solving the challenges associated with tracking and tracing products in the supply chain. The GS1 US Trace-a-thon provides an opportunity for developers to leverage technologies like blockchain, machine learning and artificial intelligence (AI) to build an innovative solution that brings visibility to the supply chain. A panel of judges will award a prize pool of \$20,000 across multiple categories, with the winning idea receiving \$10,000.

WHO: The trace-a-thon is open to developers, designers or supply chain managers with interests in supply chain application development, data science, AI, machine learning, blockchain, and various coding languages such as JSON, XML and JavaScript.

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Government Regulations To Boost RFID Tags Market For Livestock Technavio

The global RFID tags market for livestock management size is poised to reach USD 984.72 million by 2023, according to a new report by Technavio, progressing at a CAGR of 12% during the forecast period.

The global RFID tags market for livestock management size is poised to reach USD 984.72 million by 2023, according to a new report by Technavio, progressing at a CAGR of 12% during the forecast period.

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Smart Bottle Platform Uses Mix Of NFC, QR Allows Vintners To Connect With Customers #NFC

BottleVin, a Silicon Valley-based, venture-backed startup that developed the first smart bottle marketing and analytics platform centric for wine, spirits and beer producers, announced today the second year launch of NFC-enabled bottling with its first client, Napa Valley-based Reynold's Family Winery.



BottleVin introduced the first NFC-enabled (near-field communication) bottles last July 2018 with Reynolds in a pilot program, and is entering the second year of bottling with both NFC and unique QR labels. Bricoleur Vineyards, in Windsor, California, also joined BottleVin's pilot program in 2018 with NFC-enabled bottles, and the startup recently expanded to Washington by signing an agreement with Balboa Winery in the Walla Walla region.

"BottleVin offers an extraordinary marketing opportunity," said Steve Reynolds, founder and owner of Reynolds Family Winery. "If you were to just see our wines on a crowded store shelf, you wouldn't immediately know our story. But thanks to BottleVin, with just a tap, the bottle becomes the storyteller - easily making our next customer an expert on Reynolds wines and our brand."

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Zebra Unveils Next-Generation 2D Imagers For Retail, Healthcare, Electronics Manufacturing Industries

Zebra Technologies Corporation, (NASDAQ: ZBRA), an innovator at the edge of the enterprise with solutions and partners that enable businesses to gain a performance edge, today introduced the new DS4600 series of 2D handheld imagers featuring models purpose-built for retail, healthcare and electronics manufacturing environments.



transactions at the point-of-sale (POS) to keep lines moving, deactivates EAS tags, and serves as a document scanner...

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The DS4600 is targeted at the following markets:
DS4600 series for retail speeds-up

Packaging Serialization To Provide Track & Trace, Combat Counterfeiting, Diversion Across Multiple Industries #PackExpo

Covectra, a multi-layered brand protection company, plans to showcase their holistic, integrated serialization system at this year's PackExpo in Las Vegas on September 23-25 (Booth #LS-6391). The AuthentiTrack solution platform, which is intended to combat counterfeiting and diversion across a wide range of industries including food & beverage, electronics, fashion, cosmetics, luxury goods and other products in the CPG space, was designed to ensure product integrity.

ing line to the cloud to ensure brand protection, product safety and supply chain integrity. It is designed to encompass the site, line, packaging units and the devices within the packaging unit to provide a complete serialization operation at the plant level. The system, which offers maximum flexibility to meet a wide range of packaging applications and serialization requirements, can be configured to serialize automatically at very high speeds or...

AuthentiTrack provides a single-source serialization solution from the packag-

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BlueStar Signs Distribution Agreement With Newcastle Systems

BlueStar, the leading global distributor of solutions-based Digital Identification, Mobility, Point-of-Sale, RFID, Digital Signage, Network Infrastructure, and Security technology, has signed an agreement with Newcastle Systems, Inc., a globally recognized leader in mobility technology. BlueStar's partner network will gain the opportunity to now offer several of Newcastle Systems' Mobile Powered Products and Mobile Workplace Mobility Solutions.

"Bringing Newcastle Systems on board is a smart and complementary move to our existing vendors," says Mike Byington, Vice President of Business Development at BlueStar. "As a value-added distributor, our goal is to provide customers with the most comprehensive solutions and services available in the channel. Newcastle Systems' products, services, and support will aid our customers..."

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Barcodes Group Acquires Another ID Solutions Company Plasco ID

BV Investment Partners ("BV"), a middle-market private equity firm focused on the business services, software and IT services sectors, today announced the sale of Plasco ID to the Barcodes Group.

Founded in 1983 and located in Miami, FL and St. Louis Park, MN, Plasco ID is an online lead generation and distribution business serving the identification and access control industry, a market that includes identity and access control products such as identification printers, software, and cameras; related consumables such as blank ID cards and printer ribbons; and technical support services.

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Smartrac At Future Travel Experience Global Exhibition: Showcasing RFID Solutions For Baggage Tracking And Supply Chain Management

Smartrac Technology Group is joining the air transport and travel industry's most forward-thinking vendors as a Gold Sponsor and exhibitor at the Future Travel Experience (FTE) Global 2019 exhibition in Las Vegas, Nevada, September 4-6, 2019. At its booth #B2, the RFID and IoT pacesetter will showcase sample use cases and optimized products for baggage tracking and supply chain management applications.

In accordance with the latest IATA (International Air Transport Association) resolution supporting the forthcoming global deployment of Radio Frequency Identification (RFID) for baggage tracking, one of Smartrac's focus areas at this show are its WINGS inlays and tags. With their leading-edge RF performance for any given form factor and

characterized by long read distances of up to 18 meters, while being some of the world's smallest RAIN RFID (UHF) tags for baggage tagging, WINGS inlays and tags are specifically tailored to airline baggage tracking requirements. Moreover, they are some of the very few already approved under Auburn University RFID Lab's category U, which relates to asset tracking in aviation.

'Live' production of RFID-based baggage labels to prove WINGS' suitability for practical baggage tracking and aviation-related supply chain applications, Smartrac is also presenting onsite a Unimark printing system capable of on-show label production.

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Genetec Announces ClearID, A New Self-Service Physical Identity And Access Management System

Genetec Inc. ("Genetec"), a leading technology provider of unified security, public safety, operations, and business intelligence today announced Genetec ClearID™, a self-service physical identity and access management (PIAM) system that standardizes and enforces security policies to help make organizations more efficient, compliant and secure. Available in North America in September 2019, and globally in early 2020, ClearID will be showcased at the Global Security Exchange (GSX) in Chicago, in booth #1533.



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The Global Thermal Paper Market Size Is Expected To Reach USD 5.37 Billion By 2025

Thermal Paper Market Size, Share & Trends Analysis Report By Technology (Direct Thermal, Thermal Transfer), By Application (POS, Lottery & Gaming, Tags & Label), By Region, And Segment Forecasts, 2019 - 2025.

The global thermal paper market size is expected to reach USD 5.37 billion by 2025. It is projected to expand at a CAGR of 7.7% during the forecast period. Growing POS terminal market coupled with rise in demand for labels is driving the growth. Additionally, growth of food and beverage industry due to increasing population in economies, such as China and India is expected to boost the product demand in near future.

North America held the maximum market share in the previous years and...

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Baxter Planning Recognized For 16 Consecutive Years As One Of SupplyChainBrain's 100 Great Supply Chain Partners

Baxter Planning, the pioneer and recognized leader in inventory planning and optimization solutions, announced today that it has been included on SupplyChainBrain's list of 100 Great Supply Chain Partners for the 16th consecutive year and will appear in the 2019 August issue of SupplyChainBrain magazine. "SupplyChainBrain has published our much-anticipated list of 100 Great Supply Chain Partners — a...

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Datalogic Announces Auto Range Series For PowerScan™ Industrial Sanners & Falcon™ X4 Rugged Mobile Computers

Datalogic, a global leader in the automatic data capture and process automation markets, is pleased to announce the new PowerScan™ 95X1 Auto Range (AR) Series and the new Falcon™ X4 auto range models.

When looking for top performance of automatic identification and data capture solutions, Datalogic is acknowledged worldwide for its quick, accurate data capture solutions, and for the excellent quality of products. Today, Datalogic raises the bar, presenting the new embedded 1D/2D Near/Far imager with Auto Range capabilities, designed and developed by its engineers. By delivering a reading range that extends from 6 inches (15 cm) to more than 65 feet (20 m), and enabling the scanning of virtually any bar code, in nearly all lighting conditions, Datalogic custom-



ers may now enjoy the maximum of Datalogic experience and technology. With this new near/far scanning capabilities on 1D/2D barcodes, PowerScan Auto Range (AR) Series represents the top performing industrial hand held scanner...

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BV Investment Partners Announces Sale Of Plasco ID

BV Investment Partners ("BV"), a middle-market private equity firm focused on the business services, software and IT services sectors, today announced the sale of Plasco ID to the Barcodes Group.

Founded in 1983 and located in Miami, FL and St. Louis Park, MN, Plasco ID is an online lead generation and distribution business serving the identification and access control industry, a market that includes: identity and access control products such as identification printers, software, and cameras; related consumables such as blank ID cards and printer ribbons; and technical support services. Plasco sells identification

products through its direct sales force, value-added distribution partners, and award-winning websites. Plasco is the largest provider of digital photo identification systems and supplies, serving Fortune 500 companies and leading healthcare organizations in the United States and internationally.

Justin Harrison, Managing Partner of BV Investment Partners, said, "Since partnering with Alan Mendelson, the company's CEO, in 2014, we have had the benefit of working with the management team to...

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PACKage Printing Pavilion Makes Its Vegas Debut #PackExpo

The PACKage Printing Pavilion at PACK EXPO Las Vegas and co-located Healthcare Packaging EXPO (Sept. 23-25, 2019; Las Vegas Convention Center) produced by PPMI, The Association for Packaging and Processing Technologies, will showcase the latest innovations in digital printing. This 35,000-square foot area, located in the Central Hall, brings digitally charged end users challenged with SKU proliferation, micromarketing efforts, sustainability and traceability face to face with OEMs ready to deliver solutions. The Pavilion, new to the Vegas event, focuses on the advantages of digital printing; geared toward short-run, on-demand, cost-effective, variable data and personalized packaging. As consumers look for smarter packaging options, the advancements in digital printing are more critical than ever, making this pavilion a must-see for all show attendees.

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Sensormatic Solutions Provides Retailers A One-Stop Destination For EAS Technology With Addition Of RF-Based Solutions

Johnson Controls today announced that Sensormatic Solutions, its leading global retail solutions portfolio, unveiled a new line of Sensormatic Essentials Radio Frequency-based (RF) anti-theft solutions. Building on the strength of its pioneering Acousto-Magnetic (AM) electronic article surveillance (EAS) technology and RFID-based EAS and LP offerings, the company now provides retailers a one-stop destination to meet all their loss prevention needs—regardless of technology choice and store format.

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Track Employees With GPS Without Impeding Their Privacy

Leading IoT company Trackimo has developed an efficient and cost-effective way for business owners to keep track of their employees' whereabouts without invading their privacy.

A Motorola study found that companies save an average of \$5,484 per employee every year simply by utilizing GPS tracking technology. Due to the numerous invaluable benefits that GPS trackers can offer, you can't blame employers for using them as employee trackers. Here are just some of the reasons a company starts tracking employees legally in their workplace:

- It helps them track employees who are honest and productive.
- It helps them check if their employees are engaging in illegal activities or behavior such as misuse of company assets and drug use.
- It helps evaluate employee performance, especially if they deserve a raise or need more training.



By installing a GPS tracking system in your workforce, you will not only be able to solve much of your management problems but you will also save business costs. The best GPS company to check out for the most cost-effective tracking devices...

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WINDGO Granted IoT Wearable Products Patent

WINDGO, Inc., a research and development company specializing in smart material and vibrational transfer technologies, announced today that they have been granted US Patent No. 10,376,423 for an invention that will provide Internet of Things (IoT) sensory and response communications to devices worn on human and animal bodies.

Many new wearable devices are envisioned to evolve from this new patent and Windgo is actively looking for commercialization partners.



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Award Winning Logistics Company Cites Piece-Level Barcoding

ArcBest® (Nasdaq: ARCB), a leading logistics company with creative problem solvers who deliver integrated solutions, is pleased to announce that ABF Freight® has received a 2019 Quest for Quality Award.

Logistics Management magazine honored ArcBest less-than-truckload carrier ABF Freight for excellence in the National LTL carriers category for the third consecutive year. ABF Freight also received the National LTL Carrier award in 2018, 2017 and 2015 and was awarded in the Expedited category in 2016.

"At ArcBest, we are committed to solving our customers' challenges while providing a best-in-class experience with every shipment," said Judy R. McReynolds, ArcBest chairman, president and CEO...

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Lobster Place Automates Food Safety Cold Chain Compliance

Cooltrax, a global leader of remote temperature control and monitoring solutions, today announces the largest retail seafood market on the East Coast, Lobster Place, is automating food safety compliance with an industrial IoT platform.

Lobster Place began using the IoT solution, Cooltrax Fresh InStore, after re-opening its Chelsea Market storefront in downtown Manhattan following a gut renovation. The company deployed IoT sensors inside HVAC ducts and 10 different cold storage...

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Loftware Spectrum® 4.0 Optimizes Label Printing From Mobile Devices And Introduces Label Comparison

Loftware, Inc., the global leader in Enterprise Labeling and Artwork Management Solutions, today announced the availability of Loftware Spectrum 4.0. This latest release of Loftware's flagship Enterprise Labeling Solution enables users to design label printing applications purpose-built for mobile devices, which streamlines global labeling processes. Spectrum 4.0 also introduces a new user interface (UI) to enhance usability and leverages Loftware's DaVinci feature to provide powerful label comparison to speed label design and review.

Spectrum's HTML5 user interface is optimized for mobile devices, including IOS devices, to allow customers to manage label printing and related business processes from anywhere, whether factory floor, warehouse or in the field. The streamlined interface maxi-



mizes productivity and further extends access to additional supply chain users.

The new user interface combined with Spectrum's Application Architect feature provides customers with unlimited flexibility to configure...

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Smartrac Enhances Industrial Focus And Ramps Up Global Production Capacity

Smartrac Technology Group, a global market leader in RFID products and IoT solutions, today announced a significant increase in its manufacturing capacity and the implementation of concrete measures to reinforce the company's focus on global industrial applications.

Smartrac runs some of the best-in-class and most comprehensive, innovative manufacturing sites within the RFID industry, with state-of-the-art factories across APAC, EMEA and the America's region. Those factories, development and distribution centers now jointly account for a production capacity of more than 3.5 billion RFID inlays and tags per year.

Investing to reinforce and diversify the strengths of each manufacturing site

Recently, the company moved to an entirely new location in Guangzhou, China, doubling floor space, adding the latest technologies and machinery as well as increasing the number of employees on site, which has led to a major increase in production capacity of more than 30%. Moreover, Smartrac has also increased capacity in its Kulim facility, Malaysia, as well as further augmented its workload and production lines, with an enhanced focus on hard tags and sensor tags.

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Barcode And RFID To Drive Retail Automation Growth Through 2025

Global Retail Automation Market is anticipated to reach USD 19.17 billion by 2025. Retail automation implies the usage of machinery and smart devices to undergo customized operational procedures in order to decrease the cost and improve the efficiency. Retail automation offers an integrated tool to carry out the retail activities such as time & attendance, product handling, workforce management, store audit, task management, and others.

The factors that propel the growth of the retail automation industry include reduced cost of retailers, benefits of business optimization, increase in demand for retail automation products, and rising demands of customers for fast service and quality. On the other hand, there are factors that may hamper the growth of the market including the increase in need to monitor...

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NFI Recognized By Logistics Management With 2019 Quest For Quality Award

NFI, a leading supply chain solutions provider, was recognized by Logistics Management with its annual Quest for Quality Award for 2019 in the category of Dry Freight Carriers. The list, which was published in the August issue, offers shippers insight into logistics providers that can best help them meet their supply chain goals. Based on reader surveys, companies were graded on on-time performance, value, information technology, customer service, and equipment.

As one of the oldest and largest privately-held 3PLs in North America, NFI offers over 87 years of ...

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Kraft Heinz Adopts New FourKites® Facility Manager To Slash Dwell Times

FourKites®, the leader in predictive supply chain visibility, today announced that The Kraft Heinz Company has adopted its new Facility Manager(SM) product as part of its ongoing effort to reduce dwell time, lower detention costs, and increase operational excellence across its facilities. FourKites Facility Manager links transportation and warehousing systems via real-time tracking data so that shippers and carriers can work together to tackle the industry's biggest issue – dwell times and their associated costs.

"We're excited to extend FourKites' real-time visibility of in-transit loads to our facilities' teams," said Bill Durbin, Vice President of Logistics at Kraft Heinz. "FourKites has worked with us to incorporate our direct feedback into a robust new product that gives us the insight we need to keep improving our facility operations." Kraft Heinz is one of the largest global food and beverage

companies, and a long-time customer of FourKites' real-time freight tracking and monitoring.

Facility Manager extends the power of FourKites' DynamicETA(SM) machine learning algorithm to warehouse operations. DynamicETA uses more than 150 data points associated with a single load, including shipper, carrier, lane, rest patterns, load, traffic and weather – and learns continuously from millions of monthly shipments to give shippers and carriers the industry's most precise arrival times. Facility Manager achieves greater than 90 percent accuracy in predicting arrival times within a one-hour window and 97 percent accuracy predicting arrivals within six hours.

"The inability to predict ETAs has huge negative repercussions..."

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Smithers Announces #SmartPack 2019 Conference

Smithers is pleased to announce the inaugural SmartPack conference, taking place September 11-12, 2019 in San Diego, California. Bringing together industries all across the supply chain, SmartPack will focus on collaboration and innovation to accelerate the commercial adoption of intelligent packaging. With six sessions over the course of two days, speakers will present case studies in the various applications for intelligent packaging, and address what brand owners want from their intelligent packaging.

This year's conference will kick off with a keynote from Smithers' own, Duane Neidert, Director of Operations on The Future of Active and Intelligent Packaging to 2023 followed by presentations on the current and future possibilities within the industry, and ending the first day with an open networking reception. In its first year, the...

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AIM Publishes Updated DotCode Symbology Specification

AIM, the trusted worldwide industry association for the automatic identification industry, providing unbiased information, educational resources and standards for nearly half a century, has announced the ratification and release of the revised International Symbology Specification – DotCode.

DotCode, introduced in 2009, is a unique, variable size, variable shape, matrix (2-D) symbology specifically designed for high-speed marking applications where alignment or connection of individual dots is problematic... [Continue reading >>](#)

Smartrac Launches SKYLINE – New RAIN RFID Inlays For Ultra-Long Read Range On Metal Surfaces

Smartrac Technology Group, a global market leader in RFID products and IoT solutions, today announced the launch of its SKYLINE inlays and tags for industrial on-metal applications. With their optimized antenna and sophisticated spacer-based design, the new, compact RAIN RFID (UHF) products offer an outstanding read range of up to 6 meters under real-world conditions.



For SKYLINE, Smartrac developed a customized UHF inlay based on NXP's UCODE 7xm IC with 448-bit EPC memory and extended user memory of 2 Kbits. The resulting transponder is then folded and applied around a synthetic spacer developed and provided by identitytag of Bad Berleburg, Germany. identitytag is one of Smartrac's long-term converting partners and is also involved in the initial manufacturing process. The advanced antenna design,

the IC's long read range and reliable operation in dense reader and noisy environments through high interference rejection, as well as an optimized spacer material result in a high-quality product with an on-metal read range that previously seemed unattainable for a tag as compact as SKYLINE (die-cut size 54 x 25 x 1,8 mm).

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Zebra Technologies Extends Contract With National Football League

Zebra Technologies Corporation(NASDAQ: ZBRA), an innovator at the edge of the enterprise with solutions and partners that enable businesses to gain a performance edge, today announced the renewal of its partnership with the NFL, extending Zebra's role as the League's Official On-Field Player-Tracking Provider through the 2021 season. This extension builds on the past five seasons during which Zebra has worked with the NFL to successfully implement a best-in-class player and ball tracking system, helping to launch a new era of football data and analytics known as Next Gen Stats.



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Socket Mobile Optimizes Products For Emerging Commercial Services And Transportation Markets

Socket Mobile, Inc. (NASDAQ: SCKT), a leading innovator of data capture and delivery solutions for enhanced productivity, announced today it has expanded its DuraCase line to better support the commercial services and transportation industries.

Socket Mobile's scanner-sled solution, DuraCase, is a protective case which combines an Apple or Samsung handheld, smart device with a SocketScan® 800 series scanner into a single, one-handed solution. The DuraCase integrates connectors from both scanner and smart device for dual charging

and features rubberized material for increased drop protection and durability. Ideal for mobile workers, commercial services and transportation markets that are looking to use a handheld device with a scanner.

"We listen closely to our customers and have seen the need to improve the overall solution of our products to include an on-the-go option. One area of concern was having a safe and secure location for the combined..."

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Suuchi Inc. To Highlight Next-Gen Retail Supply Chain Innovation At MAGIC Las Vegas

Suuchi Inc., the next generation supply chain platform for fashion brands and retailers, will bring its insights on US-based apparel supply chain innovation to MAGIC Las Vegas, August 12-14. The award winning tech company will exhibit (Booth # 100119 - South Hall level 2) alongside category leaders and emerging fashion brands at the show. Founder and CEO Suuchi Ramesh will be a presenter. Her session, "Transforming Made in USA Apparel," will highlight how Suuchi Inc.'s proprietary technology, the Suuchi GRID, combined with its curated network of suppliers and manufacturers, is enabling apparel brands to manage execution risk across their supply chain.

The Suuchi GRID is a cloud-based technology, which connects Suuchi Inc.'s curated network of more than 200 materials suppliers... [Continue reading >>](#)

RetailX Celebrates Success During Inaugural Event

RetailX, the co-location of three leading retail industry trade shows Internet Retailer Conference & Exhibition [IRCE], GlobalShop and RFID Journal Live! Retail, took place over a three-day mega-event held from June 25-28, 2019, at McCormick Place in Chicago.

RetailX featured more than 400,000 sq. ft. of space from 1,200+ exhibiting companies. "It was an electrifying three days. From influential keynotes to today's most state-of-the-art retail products and services, we brought together retail's key players, bridging the gap between both physical and digital retail," said Doug Hope, RetailX Show Director and Senior Vice President of Emerald Expositions. [Continue reading >>](#)

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New Dynamsoft Barcode Reader SDK Adds Various Scan Modes & New Framework

Dynamsoft has introduced version 7.0 of its Barcode Reader software development kit which adds a Scan Directly mode and an entirely new framework to prepare it for future enhancements. The SDK is ideal for developers looking to quickly integrate a document capture component into their desktop, mobile or web applications.

Another added feature is to provide intermediate image results. Here, developers are given access to vital information from the decoding process, which can be used in other workflows to improve efficiency. Regarding, the new Scan Directly mode, it has a significant speed improvement. It is ideal when reading barcodes in a video stream under interactive scenarios. Finally, the new framework accommodates future enhancements or upgrades. It allows developers to expand their application, make it run smoother and faster, without affecting performance or functionality.



Pricing and Availability Dynamsoft Barcode Reader SDK Version 7 is now available for download from the Dynamsoft website. It is provided with rich code samples. Developers can also try a live online demo and download trial versions from the product page. There are various technical support channels for the SDK, including email, chat, phone...

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Zebra Technologies Expands, Enhances Printing Portfolio With Premium And Value-Class Options

Zebra Technologies Corporation, (NASDAQ: ZBRA), an innovator at the edge of the enterprise with solutions and partners that enable businesses to gain a performance edge, today expanded its industry-leading printing product portfolio with new mobile and desktop printing solutions designed to meet varying customer needs across multiple industries.

Building on the success of the QLn420 mobile printer, Zebra's new ZQ630 is designed for high-volume label and receipt printing applications in...



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Survey Finds In-Store Shopping Will Continue To Rule The U.S. Back-To-School Season

Johnson Controls today announced that Sensormatic Solutions, its leading global retail solutions portfolio, released the results of its 2019 U.S. Back-to-School Shopping Trends survey of more than 1,100 consumers (parents and college students). The survey revealed that an overwhelming majority of respondents will be doing their back-to-school shopping in store this year, with less than 2% of respondents stating that they plan to do all their back-to-school shopping online.

An overwhelming majority of survey respondents will be back-to-school shopping primarily in brick-and-mortar stores across all product categories, including:

School supplies: 86%
Clothing/apparel: 82%...

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Barcoding, Inc. Hires Bertrand Martelle To Lead Expansion In Canadian Market

Barcoding, Inc., the leader in supply chain efficiency, accuracy and connectivity, has hired Bertrand Martelle as country manager for Barcoding's rapidly expanding Canadian presence. Martelle will oversee Barcoding's Montreal, Toronto and Vancouver offices, strengthening the company's ability to offer custom supply-chain solutions to partners in Canada and across North America.

Martelle's long history leading teams in the data capture business makes him eminently equipped to develop Barcoding-Canada... [Read more >>](#)

New Autonomous Mobile Robot Stacker-Bot AMR Provides Flow Rack Replenishment In Warehouse & Distribution Centers

Conveyco's new flow rack Autonomous Mobile Robot (AMR) replenisher, the Stacker-Bot™, allows organizations to eliminate labor and increase accuracy and efficiencies around the clock without the need for breaks or human supervision.

The Stacker-Bot can store and retrieve on a single trip up to five cases or totes. It can retrieve inventory from the floor, shelf or a conveyor level. The AMR continues to pick up to five SKUs for one trip. It automatically picks a case or tote, scans the barcode and stores it in the Stacker-Bot on any of the five onboard shelves. It then uses its RCS (robot control system) and communicates to the WMS/WCS host software system.

Once up to five totes or cartons have been retrieved in the Stacker-Bot, it is directed via the WMS/WES software host the exact locations required to



place the inventory. The rack, shelf level and shelf location for each of the five SKUs is communicated to the Stacker-Bot. The robot always travels via the shortest path to its put-away location.

After the AMR has picked up the product to be replenished, the Stacker-Bot uses its two-dimensional camera technology to find its first location.

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Alloy Software Extends Mobile Inventory Tracking To Small & Medium Businesses

Alloy Software, a leading provider of IT infrastructure management solutions, has announced the new release of Alloy Navigator Express with added support for Alloy Inventory Scanner, allowing IT organizations to accurately identify assets and conduct physical inventory without expensive specialized barcode scanning equipment. The new solution delivers an engaging mobile experience that provides business users with comprehensive asset information and freedom to perform physical inventory anywhere and anytime.

"We are thrilled to extend our IT infrastructure management solution for SMB with features previously available only in our enterprise-level offering,"

said Vladimir Vinogradsky, President of Alloy Software. "Having an accurate and easily accessible account of IT assets is a great way to make sure a company's money is being invested wisely and business operations are running smoothly."

With Alloy Inventory Scanner organizations can:

- Perform physical inventory anytime, anywhere, even in areas with no wireless data connection
- Scan any available 1D or 2D barcode label, including Asset Tag, Serial Number, and UPC Product Code, using the device's built-in camera
- Have accurate and up-to-date asset information in the field or on the road

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Company Applies AI To Supply Chain Data And Weather Event Histories To Automate Hurricane Preparedness For Customers

The 2019 Atlantic hurricane season has been underway for more than a month, and the meteorological organization NOAA predicts a likely range of nine to 15 named storms (winds of 39 mph or higher), of which four to eight could become hurricanes (winds of 74 mph or higher), including two to four major hurricanes (category 3, 4 or 5; with winds of 111 mph or higher).

The damage and disruption from 2017's trio of hurricanes—Harvey, Irma and Maria, which together caused more than \$200 billion in estimated losses—and hurricanes Florence and Michael in 2018, stand as warnings to supply chain professionals about the need to prepare in advance to manage potential disruptions from hurricanes this year—and every year.

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Janam Introduces New "Android Enterprise Recommended" Rugged Touch Computer

Janam Technologies LLC, a leading provider of rugged mobile computers that capture data and communicate wirelessly, today introduced the industry's most rugged touch computer with a 5-inch display and Google's "Android Enterprise Recommended" (AER) certification. As part of the AER program, Janam's XT200 runs feature-rich Android 8 (Oreo), can be upgraded to Android 9 (Pie) and supports five years of software security patches.

The XT200 is built to thrive in the most demanding retail, direct store delivery and field... [Continue reading >>](#)

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Smartrac Gets “Gold Medal” For Its Corporate Social Responsibility Achievements

Smartrac, a global leader in RFID technology and IoT solutions, has been awarded a gold medal from EcoVadis, the world's most trusted provider of business sustainability ratings, in recognition of its Corporate Social Responsibility (CSR) achievements. Having received a high score, Smartrac ranks among the top five percent of all companies in its category, as assessed by EcoVadis. Smartrac has undergone EcoVadis' CSR assessments on an annual basis since 2014. Just one year later, the company achieved a bronze award, before stepping up to silver in 2016, and has continuously improved its sustainability performance since then. In this year's report, Smartrac scored particularly well in the “Ethics” category, followed by “Environment” and “Labor & Human Rights.”

“With more and more companies putting emphasis on CSR achievements, efforts in that area make as much sense business-wise as they do from an eth-

ical point of view. Hence, we are very happy and proud to have been awarded a gold medal and achieved a score that puts us at the top of our industry. We consider EcoVadis' rating as equally important as, for example, the ARC Quality Certification we received recently. Both provide superior assurance to our customers and market partners and reinforce our claim to be the RFID industry leader in quality, sustainability and safeguarding employees' rights,” said Dr. Benedict Saint André, SVP Corporate Legal & Compliance at Smartrac.

Smartrac defines CSR as an organization's responsibility for the impact of its activities on society and the environment, and for acting to maximize the creation of shared value for all its stakeholders while mitigating possible adverse effects. In addition, Smartrac is an endorser of the...

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British Airways To Introduce ViewTag® For Simplified Airport Experience

British Airways customers will soon be able to take advantage of a simpler luggage check-in process through a partnership with ViewTag®.

ViewTag is a re-usable, electronic bag tag that securely attaches to luggage allowing customers to take more control of their journey by tagging their own bags before they arrive at the airport. ViewTag is equipped with radio frequency identification (RFID), Bluetooth Low Energy (BLE), and a digital display that shows the same flight information as traditional paper-based bag tags. Using the British Airways mobile app, pas-



sengers can check-in to get their boarding pass and synchronize...

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T-Mobile Launches America's First Narrowband IoT Asset Tracking Solution

T-Mobile for Business and Roambee team up to provide a comprehensive, proven asset tracking solution that pairs perfectly with America's first NB-IoT network

- What's the news: The first narrowband IoT asset tracking solution is now available nationwide from T-Mobile for Business.

- Why it matters: Traditional approaches to asset tracking are costly and cumbersome and, as a result, out of reach to many businesses. With NB-IoT, the Un-carrier is making it possible for more businesses to benefit from the IoT-era.

- Who it's for: Airlines, 3rd-party logistics providers, auto OEMs, retailers, oil and gas companies, construction and industrial manufacturers, food/beverage companies, SMBs... basically any business with a need to remotely track their valuable assets.

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Smartrac And Compass To Jointly Expand The SRL Network

Smartrac Technology Group, a global market leader in RFID products and IoT solutions, and Compass Marketing, a leading provider of marketing and technology solutions in the CPG industry, today announced a partnership to keep accelerating the success of the Smart Retail Label (SRL) Network globally. As part of their collaboration, Smartrac will provide its high-quality and reliable NFC inlays as the basis for the physical SRL tags, which are at the heart of the SRL Network, and have already been integrated by major brands, retailers and Consumer Packaged Goods (CPG) players... [Continue reading >>](#)

Tariffs, Terrorists And Tsunamis Are Today's Retail Supply Chain Threats

The recent increases – and threat of increases – in tariffs are causing disruptions to today's retail supply chains. According to a new report from BRP titled Tariffs, Terrorists & Tsunamis: Minimize the Impact of Supply Chain Disruptions with Agile Strategies, while tariffs are currently the hot topic, supply chains are vulnerable to many unexpected disruptions, including terrorism and natural disasters.

Today, more than ever before, it is vital that retailers adopt an agile approach to the development and maintenance of their global supply chains. The need to have the right organization and processes in place to continuously review and adjust the flow of goods from supplier to customer is imperative. An agile capability means that retailers can rapidly and cost effectively adapt to external forces, while maintaining, or even enhancing, service to consumers.



Most retailers rely heavily on imported merchandise, and over the last two decades, retail supply chains have become more complex and increasing global in nature. Finished goods may be sourced from many locations, supported by raw material and packaging supply chains that extend even further. At the other end of the supply chain, consumers in an omni-channel...

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Barcoding, Inc. Awarded Two New Patents From U.S. Patent Office

Barcoding, Inc., the leader in supply chain efficiency, accuracy and connectivity, has been awarded two new patents from the United States Patent and Trademark office (USPTO).

“At Barcoding, we're continually looking for new ways our platform-based solutions can provide our customers with a competitive advantage,” said Jay Steinmetz, CEO of Barcoding, Inc. “Part of our innovation strategy is to identify, create and provide uniquely scalable solutions that can help our clients better serve their customers and employees, and these new technologies will help achieve that goal.”

U.S. Patent 10,242,562, “Control systems with modular configurable devices,” will help organizations improve safety, lower error rates and decrease potential for failure through real-time tracking of environmental conditions through various stimulus detection devices, such as carbon monoxide detectors or light detectors. The technology will also allow users to transmit data wirelessly so issues can be detected before a problem occurs.

U.S. Patent 10,194,859, “Activity regulation based on biometric...”

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Chr. Hansen Adopts NiceLabel Technology To Support Mission-Critical Production

Global bioscience company, Chr. Hansen, has selected NiceLabel, a leading global developer of label design software and label management systems, to provide its web-based label management solution.

Chr. Hansen develops and produces cultures, enzymes, probiotics and natural colors for the food, confectionary, beverages, dietary supplements and animal feed industries.

Founded in 1874, it has more than 3,000 employees in more than 30 countries, including 400 employees in the US office in Milwaukee, WI. More than one billion people consume its products across the world, resulting in 3,000 label print requests per day across 30 different locations.

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Code Corporation Announces Appointment Of President & CEO

After 20 years of service as President & CEO, George Powell has left the company. The Board of Directors has appointed Barclay McFadden III as interim CEO and Dennis Kaill as interim President. Mr. McFadden will continue as Chairman of the Code Board of Directors.

Mr. McFadden has been Code's Chairman since 2001. Before joining Code, Mr. McFadden served as the Chairman and CEO of Stow Mills, Chesterfield, NH from 1976 to 1997. Mr. McFadden also serves as Chairman of American Stainless, Cheraw, SC, which sells stainless steel products to industrial companies in the Southeast. [Continue reading >>](#)

BARCODE SPONSORS

TEKLYNX International

TEKLYNX International is the world's leading developer of barcode labeling software solutions. Their products feature the widest range of device and driver support in the industry. More than 600,000 companies in 120 countries rely on TEKLYNX integrated software solutions for supply chain automation, warehouse management, shipping and receiving, inventory control, and asset management.



NiceLabel Software

NiceLabel is the leading global developer of label and marking productivity software solutions that help SME and large enterprises reduce complexity and mitigate risk while meeting compliance requirements and increasing productivity, quality and agility.



Seagull Scientific

The most trusted software to create and automate labels, barcodes, RFID tags, plastic cards and more. BarTender® software by Seagull Scientific enables organizations around the world to improve safety, security, efficiency and compliance by creating and automating labels, barcodes, RFID tags, and more.



Loftware Inc.

Loftware's Enterprise Labeling Solutions bring label design resources, native print capabilities, and built-in business rules functionality to integrate barcode labeling with any organizations existing business processes in order to help drive topline revenue, customer satisfaction, and supply chain efficiency.



Bar Codes Talk, Inc.

Most anything you need with barcoding, Bar Codes Talk, LLC. can take care of for you. They are family owned and operated with a customer base of over 15,000 companies. They value themselves on same day service with high quality products - not many competitors can say the same.



ScanSKU

ScanSKU™ is a Barcode Scanning Technology Solutions Provider. We can supply both the hardware and software to allow your business to more accurately scan and track Inventory, Assets or just about anything else.



Janam, Inc.

Janam Technologies LLC is a leading provider of rugged mobile computers that scan barcodes and communicate wirelessly. Janam combines deep industry knowledge with advanced technologies to deliver products with the right features and the right price.



Express Corp

Express is a manufacturer and distributor of high-quality and durable barcode labels and tags, asset tags, industrial nameplates, warehouse identification products, and UID tags produced from aluminum, polyester, steel and other durable materials.



Microscan Barcode Verification

Ensuring perfect labels is as easy as scanning a code. Grab a Microscan LVS Barcode Verifier to check barcode quality on the fly and adjust data structure, design, or print issues before bad codes enter the supply chain.



BARCODE SPONSORS

Dynamsoft Corporation

Founded in Sep 2003 with the aim of being the dynamic center of software developers, Dynamsoft provides enterprise-class version control software, TWAIN software development kits (SDK) and other document imaging SDKs, with numerous generations for each product.



Smartrac Technology Group

Smartrac is the global leader in unique and scalable solutions that enable businesses to digitize products, complement their product offerings with digital services, and connect them to the Internet of Things.



MarkMagic

MarkMagic™ is the easiest way to design and print the barcode labels, electronic forms, reports, and RFID tags you need to communicate with your customers and suppliers. The culmination of years of innovative software engineering, MarkMagic is a total document development solution with features and capabilities not found in any other product on the market.



Accusoft

Accusoft is a software development company specializing in content processing, conversion, and automation solutions. From out-of-the-box and configurable applications to APIs built for developers, we help organizations solve their most complex content workflow challenges.



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BARCODE RESOURCES



▶ HISTORY OF BARCODES

The bar code, also referred to as a UPC (Universal Product Code), although that is just one type of bar code, was invented for inventory tracking purposes in stores.

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▶ ALL ABOUT 1D BARCODES

Have you ever looked at the black and white symbol on your grocery product packaging, or on the cover of a book that you just bought or even a department store receipt and wondered how the information is encoded in those bars and spaces?

[Read more >>](#)

▶ HOW TO GET A BARCODE

So, you have a product, and you want to be able to sell it through retailers. Now you're wondering how to get a bar code, or more specifically, a Universal Product Code (UPC).

[How to get a barcode >>](#)

▶ HOW TO CHOOSE A BARCODE READER OR BARCODE SCANNER

There are many considerations when choosing a type of barcode reader or scanner.

[Learn more >>](#)

▶ RFID RESOURCE ARTICLES

RFID (radio-frequency identification) is constantly being applied in new and exciting ways. These are links to some of our most popular articles about RFID.

[See articles >>](#)

▶ LOOKING TO BUY BARCODE EQUIPMENT?

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Why RFID May Be Better Than Barcode For Critical Manufacturing

Manufacturing is the lifeblood of modern industry, and entire nations depend on its success every day. The manufacturing process is often driven by computer tracking technology. Specifically, critical applications like finished goods, safety, maintenance or assets depend on accurate tracking. The ability to monitor the production process, control costs, prevent lost items or even safeguard workers depends on it. In these instances, you want the very best technology to safeguard your processes. This is why an RFID based system from a reliable vendor might be the better choice over a barcoding solution. What are the advantages of RFID? Let's take a look.

RFID Is Not Limited by Line of Sight

Reading a barcode is an optical process, which means that it is limited by direct line of sight. If the barcode reader cannot see the barcode directly, then successful reads are not going to happen.

On the other hand, RFID is not limited by line of sight. As long as the RFID tag is within range of the reader, it can be read with success. The orientation of the target is inconsequential, as is intervening material between the tag and the reader. Why is this important? Well, if for any reason line of sight is lost, a barcode becomes non-functional. There could be any number of reasons for this to happen, from misplaced manufacturing material to simple human error. The last thing you want is a line to be down over something as simple as a loss of line of sight.

RFID Tags Have Greater Range than Barcode labels

Sometimes in a manufacturing process, it is essential to know where something is even when it shouldn't be there in the first place. RFID tags can give you this kind of information

because they have a much greater range than a barcode. In most cases, you can quickly detect all tags in a given area as a matter of routine function.

Barcode readers are typically confined to a scanning area. If the barcode is out of range for a given scanner, you are not going to be able to find it.

RFID Tags Can Be Read in Bulk, Making Them Faster Than Barcodes

Consider the scenario where you have a cart loaded with up to 40 trackable objects. If they are tagged with RFID, the tags on the cart can be scanned simultaneously as they pass a reader, allowing tracking information to be stored. However, if they all use barcodes, each barcode symbol must be read one at a time. The cart would have to come to a complete standstill and let the process finish before the tracking information could be collected. This lost time could be costly during manufacturing.

On top of that, the cart would have to be designed to allow line of sight access to all barcodes. This could limit the number of items the cart could carry, and possibly even require the design of specialized carts for proper item positioning. Such a system might prove to be expensive to set up and maintain.

RFID Tags Are Read and Write

Barcodes are read-only, and the interpretation of their data usually depends on the backend. In comparison, RFID tags can not only be read, but they can store data as well.

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Will Tariffs Put a Damper on the Xmas Spirit?

By Craig Aberle, owner and publisher

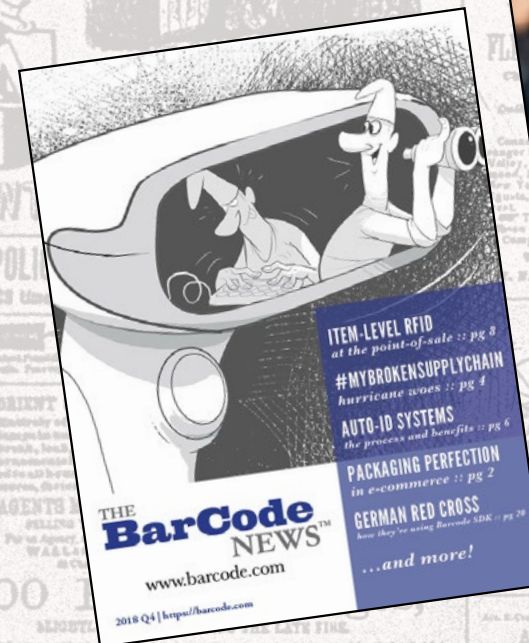
Orders for the 2019 Christmas season have been placed. Companies who import goods from China are facing the prospect of those goods still having tariffs when they arrive on US soil.

The tariffs on an addition \$300 billion in US goods are now official. As is the Chinese directive not to buy any American farm goods, although It's tough to make business decisions when White House policy changes every other week.

I empathize with the retailers and manufacturers who have to make long term plans in the midst of a mess created by the government and I wonder who at the White House or amongst his supporters has been the driving force behind this policy? [Continue Reading >>](#)



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Careers in Barcoding, RFID, Supply Chain



Time for a new job? The Barcode and RFID industry is a dynamic and exciting place to work. These technologies continue to grow and penetrate every nook and cranny of businesses all over the world! Consider a career in a growing industry that adds value to everything it touches. This page lists [technology careers](#) that were either submitted to us, or that we have come across, and are subject to change without notice. We make no representation as to actual availability or consistency with the title and accept no liability whatsoever. Job seekers must conduct their own due diligence.

AB&R - American Barcode & RFID - Technical Sales Rep, Service and Repair Technician and mid-level .Net Software Developer

ScanSource.com - (SC, FL, AZ and elsewhere) assorted - finance, marketing, merchandising, sales
<http://www.scansource.com/en/careers/job-board>

BlueStarInc.com (KY and worldwide offices) - assorted - business development, sales, warehouse
<http://www.bluestarinc.com/nl-de/about-bluestar/careers.html>

Zebra (IL, GA, CA, MO, NY, RI and others) (about 60 openings posted)
<https://www.zebra.com/us/en/about-zebra/work/careers.html>

GS1 - <http://www.gs1.org/careers>

Honeywell, Intermecc (world wide - over 3,000 job openings posted)
<http://www.careersathoneywell.com/en/job-search-results/>

Motorola Solutions (world wide - over 260 jobs posted) - <http://careers.motorolasolutions.com/>

Identiv.com (CA) - <http://www.identiv.com/careers>

Avery Dennison - <https://www.averydennison.com/en/home/about-us/careers.html>

Code Corp - Seeking interns, ops and engineers - <http://www.codecorp.com/careers.php>

TrueCommerce - Jobs in PA, OH, CO -
<https://www.truecommerce.com/resources/truecommerce-supply-chain-ecosystem/careers-new>

Sick - A variety of jobs in MN, TX and MA. <https://www.sick.com/us/en/careers-at-sick/w/careers-listings/>

Coridian Technologies (MN, IL, WI, FL) Sales Support, Inside Sales, Outside Sales - <https://www.coridian.com/careers>

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