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The Great Barcode Chicken Confusion

#MyBrokenSupplyChain

By Craig Aberle, owner and publisher

How honest barcodes overcharge customers. A true story.

I don't often eat fried foods. And fried chicken is definitely a no-no on my list due to the fat and cholesterol. But recently I was on a long bike ride and needing a light snack at lunchtime to keep the exercise going. There was a Publix on the corner and the smell of fried chicken emanating from its vents was seductive and overpowering, like a Siren calling sailors to their death in Homer's Odyssey. In a moment of weakness I walked inside and headed to the deli section.

I just needed a little taste, not a full meal, just a small hit, so to speak. It was \$6.69 lb.



not understand how that was possible since it was being sold by weight - or at least that is what the sign implied.

I told her that it was sold by weight. She did not look pleased. I guess I was making extra work for her. She put it on the scale and rung it up - but I had to tell her the price. She printed a ticket with a barcode and put it on the cup. Good, so far. 84 cents worth of chicken was what came up - 84 cents worth of guilty food pleasure - I could live with that. I thanked her and headed to the cashier.

Well, as the cashier rang it up on the POS system, the price was \$3.04. Whoa. What happened? She had scanned the wrong bar code. Where was the system failure?

Well, it turns out that the cup had a preprinted bar code on it for a full serving and that was what the cashier had scanned. Now I understood why the lady behind the deli counter made a face when putting it on the scale.

I pointed out the label that was printed at the deli, and she quickly corrected it - but there you have it. Two bar codes on a product - and both were within eyesight of the laser scanner. Technically, the deli counter person should have placed the printed label over the other bar code so it would not scan. That's probably not realistic to expect from store personnel who are accustomed to processing hundreds of cups of popcorn chicken a week in only one manner. I screwed up the system. #myfault. Sigh. I have a sign on my wall an ex-girlfriend made for me. It says "Go with the Flow". Clearly, I did not go with the flow - and I attribute no blame to Publix or their staff. I bring it up here as an example of the limitations of bar code technology. Despite its 99.9999% rate of accuracy, things can and do fail in a well designed system.

[Continue Reading on Barcode.com](#)



LIVE! 2019 TO FEATURE RFID Professional Institute Certification, Fast-Track RFID Training Course



RFID Journal announced that it has again partnered with RFID4U, a leading radio frequency identification training firm, to provide RFID Professional Institute certification training at this year's RFID Journal LIVE! conference and exhibition. The training course will offer a unique opportunity for attendees to upgrade their skills and enhance career prospects in the fast-growing RFID industry.

LIVE! 2019 will be held on Apr. 2-4 at the Phoenix Convention Center, located in Phoenix, Ariz. This year's event will feature a fast-track certification training course, in partnership with RFID4U, on Apr. 2. The certification training is designed to educate participants about the different types of RFID systems and how they can be used to capture data, automate processes and deliver business value.

The RFID certification exam, provided by the RFID Professional Institute, will be held on Apr. 3 and 4, from 12:00 PM to 2:00 PM each day. Institute credentials indicate to potential employers that the holder has the requisite knowledge and skills to perform certain tasks, depending on his or her level of certification. RFID4U's RFID Professional Institute course will provide attendees with training designed to help them pass the certification exam.

In addition, for the first time, attendees who already hold the RFID Professional Institute Associate certificate will be able to take the Institute's Professional-level certification exam. The Institute has been developing this second-level exam for the past two years. The certificate signifies that holders have detailed knowledge of RFID systems and deployment issues.

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LETTER FROM THE EDITOR'S DESK

Happy new year!

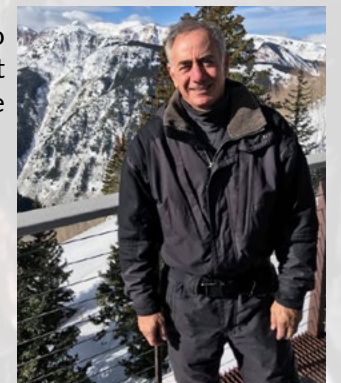
This issue includes exclusive articles about CEO compensation at the public and non-profit companies in the bar code and RFID world (p8), as well as a look at metrics for those companies (p6). It's interesting reading. Some are struggling, some are thriving and some are just slow and steady. Readers can look forward to more reporting about this topic. In another exclusive article, executives from four well known companies share what happened in 2018 and what's expected this year (p4). 2019 promises to be an exciting year and I expect to see some merger and acquisition activity as weaker companies are subsumed.

When I acquired the barcode.com domain 22 years ago there was nothing but a 'For Sale' sign at that URL - and traffic was 10,000 visitors a month. I didn't envision being in the news business. It became a website to sell my point of sale software, hardware and supplies including bar code scanners and printers. When I sold the POS business in 2000, the barcode.com site had to change, and it did. It was rented to a systems integrator, who forwarded the traffic to their website to grow their business. In 2009 that was to change again - and Barcode.com became a news website.

Now we begin our tenth year and there's more industry news than ever. The adoption of auto-ID technology continues to grow steadily, but remains largely under the radar of the major news organizations. I hope we can continue to fill that void.

Are there topics you'd like to see us cover? There's a Contact link at the bottom of every page on our site. Let me know.

Best,
Craig Aberle



Executives From Zebra, ScanSource, Code And Teklynx Speak About 2018 & 2019

Image licensed via Pexels.com

Recently, The Bar Code News spoke with executives in four different corners of the bar code industry to learn about their perspective on 2018 and find out what they thought was in store for 2019.

Executives from Zebra, ScanSource, Code and Teklynx shared their thoughts. Readers will be glad to know that all four are enthusiastic about the potential for a good year in 2019. Jenna Wagner from Teklynx points out that rising compliance requirements are driving companies to acquire more sophisticated labeling systems; Mike Poldino of Zebra speaks about the shifting scanning needs and the growth of RFID. Garrett Russell of Code Corp touches on the challenges of designing around Apple products, and Casey Huffling of ScanSource has some advice on which markets have the best opportunities for resellers in the year ahead.

Good reading, and thank you to our contributors.

TEKLYNX' Global Marketing and Sales Director, Jenna Wagner

We have found 2018 to be a successful year (double digit growth again) and anticipate 2019 to be successful as well.

There were many contributing factors:

- We continue to see a rise in adoption of subscription-based software licensing
- Enterprise label management continues to grow - this is due to many factors including, but not limited to: companies looking for scalable solutions, more globalization of organizations and the supply chain, more demand for automation, centralization, and ease of IT management.
- With workforce being harder to find in manufacturing, more companies are looking to automation and leaner/smarter labeling solutions. Our users are getting smarter as well - which is resulting in more sales and adoption of some of our higher end products that offer more automation.
- Merger and acquisitions are on the rise as well - resulting in companies being faced with decisions on how to consolidate and standardize their technologies and solutions. Companies have been leveraging our thought leadership and education to help them when faced with the need for change management and how to navigate the convergence (especially as it relates to their labeling and print management operations).

- Compliance standards and regulations are also on the rise which is requiring companies to be agile and responsive to quick changes (which is not always easy); this is resulting in companies being more selective in their solution providers to ensure scalability, flexibility, and future-proofing their businesses. This is why we continue to develop solutions for all labeling complexities (very basic to global complex labeling) to allow companies to be able to grow and scale up with us, at their pace, without having to face common challenges with scaling up, like redesigning all their labels.
- There is demand for increased productivity - everyone wants everything to be quicker, faster, better which is resulting in all of us having to "up our game" and to develop/maintain support solutions that can cater to higher demands. This speaks to our product strategy, this is why we changed our support center to answer all calls live, why we focus so much attention to hiring great talent, and why we continue to look for opportunities to educate our prospects/end users in labeling best practices.

Garrett Russell, VP Sales and Global Marketing for Code Corp

2018 was an interesting year for Code in that we spent the year transitioning from our previous generation optical and image processing platform to our next generation platform for many of our core products. This transition is an exciting time for the Product Team because we get to redesign, add new features, add new tech, etc to our product line. For the sales team, it is a balance between satisfying customer demand and making sure we continue to hit our sales targets as usually new products don't hit the market when the product team says they will.

Since we also produce sled based products for Apple, the recent discontinuation of their iPhone5 and iPhone6 models, a few of Code's legacy products were affected and will be discontinued. This is the nature of the beast, unfortunately, but it also gives some clarity on what products they will keep. We have found, historically, that most of our customers rarely buy the latest and greatest Apple phone for use as an enterprise device. This gives Code the opportunity and the time to develop a solution around the Apple's phone that will meet the market needs, without rushing to simply get something in the market.

On the barcode software front, our TachyonIQ brand had

an excellent 2018. TachyonIQ is Code's business unit that focusing on the sale and licensing of our suite of barcode decoding algorithms. Long story, short - if you have a device with a camera and a processor, and you want to scan barcodes, you can license the technology from TachyonIQ and your off to the races. Code/TachyonIQ has been licensing the technology for years, however, 2018 was our first year where we put significant resources on the program, and we had a fantastic year.

With respect to the tariffs, Code & TachyonIQ are unaffected. Quite simply, our products are not built in China. So Code's customer will NOT see any price increase. Code's products primarily serve the Healthcare, Retail and Manufacturing markets. Demand for barcode scanners was similar to 2017 in the markets we serve, with Retail showing the largest growth.

Code expects to hit 2019 with all cylinders firing. We have 2 major product launches on the docket that should accelerate our business in one of our key verticals. TachyonIQ built a strong foundation in 2018 and we expect the business to continue to accelerate into 2019. We expect spending in Healthcare & Manufacturing to be strong with Retail experiencing some softness after a strong 2018 and the recent volatility in the stock market.

Casey Huffling, Vice President, Sales for ScanSource POS and Barcode

Moving into 2019, there are a number of trends that resellers should keep on their radar in order to stay ahead of their customers' needs and provide the most efficient solutions to grow and strengthen their business. First, resellers can look to offer more mobility solutions to fit their end users' needs, especially as businesses upgrade their operating systems, and 2G/3G CDMA is phased out and replaced by faster and more efficient LTE technology. Resellers should proactively speak with their customers to ensure a seamless transition. Another area resellers should consider prioritizing is within the realm of distribution. Warehouse and distribution centers have been, and always will be, an area of growth, especially driven now by the uptick in e-commerce. According to VDC, the average number of employees at each distribution center (DC) has increased from 249 last year to 287 in 2018. Meanwhile, the average size of each DC is 42 percent larger than in 2000, while mega-sized DCs greater than one million square feet have increased in prevalence across several markets. This increase in physical size and number of employees allows a tremendous opportunity for resellers in 2019 to offer DCs more efficient inventory and processing equipment, such as voice integrated products - ensuring that labor productivity is at its highest.

An additional way that resellers can offer solutions to

increase productivity is by utilizing kiosks and self-checkouts. The average customer is becoming more comfortable with using the technology, and we're seeing an increase within retail stores and supermarkets, both seeking to cut down on lines and make the purchasing process easier for their customers. Moving beyond barcode, RFID will also likely see a significant uptick in prevalence across all industries, particularly retail. Whether it be for managing and tracking inventory, or completely eliminating the traditional checkout process, RFID shows great promise for 2019 and beyond by increasing efficiency and offering faster read time than barcode scanners.

Overall, we believe 2019 provides a great opportunity for partners to think beyond barcode, mobility or the products they are most familiar with. Being able to offer a total solution, from barcode to Wi-Fi, networking to services, security to phone systems will enable resellers to better meet their end-users' comprehensive business needs.

Mike Poldino, Vice President of Product Management for Data Capture Solutions, Zebra Technologies

In 2018, two-dimensional (2D) barcode scanning continued to gain acceptance globally and outpace the market as the preferred technology for track and trace solutions. In the handheld barcode scanning space, the transition from 1D to 2D imaging comprised more than 70% of total handheld scanner sales across the industry. Zebra saw continued demand for scanners offering ever-increasing levels of ruggedness and reliability as the technology grew in importance across the T&L and manufacturing industries.

During 2018, Zebra fulfilled this need by expanding its portfolio of ultra-rugged DS3600 scanners to 13 models to address the wide variety of use cases within these segments. A more diverse segment of customers now demand 2D scanning across a wide spectrum of applications including accepting mobile coupons in retail, shipping labels in industrial environments and tracking lab specimens in healthcare.

Zebra has responded by offering customers and partners a broad portfolio of differentiated 2D handheld scanners to support their application, environmental and pricing needs.

UHF RFID continued to expand beyond item-level inventory further back into the retail supply chain and manufacturing space. According to VDC, more than 10 billion UHF RFID tags will be used throughout the retail, manufacturing and transportation industries by the end of this year.

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Bar Code and RFID Company Performance

By Craig Aberle, owner and publisher.

The data for this article was gathered in November 2018 and reflects the normal lag time for public companies reporting results.

Stock market volatility has been up in the last two years and it seemed like a good time to check on various companies in the bar code and RFID industries. With the recent release of a number of earnings reports, data wasn't hard to come by.

The Selection Process:

The public companies are either largely or somewhat in the bar code/ RFID/ label business. The non-profit entities are included because they are 100% part of the industry and secondly, their financial data is public. (Note - due to time constraints, the non-profits are not included today, but will be in a separate article next week.)

A word of caution - reputable industry sources like CNBC, Barrons, Nasdaq, TD Ameritrade and others were used to gather this information. Basic data - like a P/E ratio or gross margin sometimes varied widely. Readers should do their own due diligence before making any investment decisions.

Neither the Bar Code News, nor I, have any direct positions in any of these companies, with the exception that I probably own some index funds (like the S&P500 or Russell 2000) through unrelated third party management, that may include a company listed below.

The public companies:

(P/E, ROE, Gross and net margin data is TTM - 'trailing twelve months' unless otherwise noted.)

ScanSource - NASDAQ - SCSC

Market cap* (approx - varies daily) \$1,014M (million)
P/E: 20 (sources varied from 20 to 30 - TD Ameritrade, CNBC, NASDAQ, Barrons)
ROE (Return on Equity): 5.93%

Gross margin (Trailing twelve months): 11.36%
Net Margin (TTM): 1.32%
Notes: For the quarter ending September 30th, 2018, which is their first quarter for fiscal 2019, ScanSource reported top line and bottom line growth.
(*Reminder - the data fluctuates daily)

Digimarc - NASDAQ - DMRC

Market cap: 246.42M
P/E: (below zero)
ROE: (below zero)
Gross margin: 59.75%
Net Margin (below zero)
Notes: Digimarc is the inventor of the invisible bar code and reported a 40% decline in YoY sales for the third quarter 2018.

Zebra Technologies Corp - NASDAQ - ZBRA

Market cap: \$9.7B
P/E: 25
ROE: 37.49%
Gross margin: 46.53%
Net Margin: 9.25%
Notes: Zebra reported strong year over year growth in the third quarter.

Honeywell International Inc - NASDAQ - HON

Market cap: 109.8B
P/E: 26
ROE: 22%
Gross margin: 30.43%
Net Margin: 10.14%
Notes: The division that handles data collection - Safety and Productivity Solutions reported that sales for the third quarter were up 12 percent with expanding margins. - The division has gross sales of approximately \$5.6 billion for the fiscal year 2017. For 3Q18, the division reported sales of \$1.575B, with margins of 16%. The company has warned its partners about possible price increases due to tariffs. YoY revenue growth of 30%.

[Continue reading on Barcode.com](#)

AIM Honors Clive Hohberger with LIFETIME ACHIEVEMENT AWARD



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 is honoring industry pioneer Clive P. Hohberger, PhD with a Lifetime Achievement Award.

"I can't think of anyone more deserving of this special recognition," said Dave Coons, Vice President of Software & Advanced Solutions for Zebra Technologies Corporation and fellow AIM Board member. "Clive truly built a lasting legacy within our industry and at Zebra, where his contributions continue to amplify our value proposition to customers every day. His selfless dedication to the advancement of standards and science within the AIDC industry have enabled enterprises to improve efficiency, reduce waste and save lives."

For more than 35 years, Dr. Hohberger has been a significant force in the development of automatic identification and data capture technology, particularly barcode and radio frequency identification (RFID), as a developer, collaborator, author and executive. His career spans nearly five decades representing organizations such as Abbott Laboratories, Blood Center of Wisconsin, United Network for Organ Sharing (UNOS) and Zebra Technologies, where he held senior executive positions in Corporate Development, Marketing and Technology Development. In 2009, he founded Clive Hohberger LLC and today serves as a consultant and Board Member to a number of global organizations.

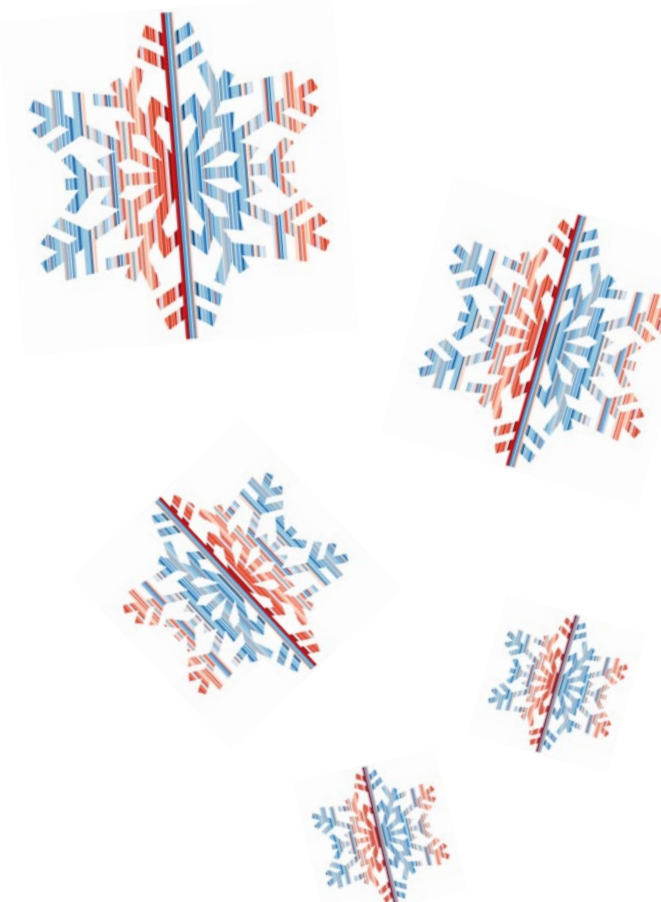
A past Chairman of the AIM, Inc. Board of Directors, Dr. Hohberger remains one of AIM's most active members, serving with several industry groups and workgroups as well as an Emeritus member of the AIM Board.

In 2016, one of Dr. Hohberger's major contributions, the Ultracode International Symbology Standard, was released by AIM. Ultracode is a process innovation that enables the automatic capture of data by any digital camera or smartphone. The process utilizes the first international standard 2D color barcode (Ultracode) which is printable by any RGB or CMYK process color, inkjet or toner technology. The code, together with advanced data compaction schemes and URLs encodes data in less than half the area of a QR code using the same modular size. It was honored with a 2017 Award for Innovation by the Label Industry Global Awards.

In August 2018, the AIM Board announced the creation of the Clive Hohberger Technology Award as part of AIM's annual industry award program. Named to honor Dr. Hohberger's contributions, it will recognize scientists, engineers, software developers or systems integrators for outstanding contributions that have furthered the growth of the industry through important applications and new technological developments. The first award recipient will be named in 2019.

As part of this week's joint AIM & GS1 Global Industry Group Meetings in Memphis, Tennessee at the University of Memphis, Dr. Hohberger was presented with the Lifetime Achievement Award during a special luncheon ceremony held earlier today.

For more information contact AIM Headquarters via [email](#) or phone (+1.724.742.4470)





The Highest Paid Bar Code and RFID CEOs

Have you ever wondered how much top executives in the bar code and RFID industry are paid? The Bar Code News(tm) took a look at the compensation of the CEOs of public companies (and one non-profit) and found they are doing well.

Below we show monetary and equity/stock/option compensation as reported by either 10-K forms or public sites where they gather such data. Some companies 10-K forms involve numerous confusing (perhaps deliberately) addendums and we found that a bit tedious, so we utilized other public sources too. [Be sure to check out our review of bar code related public company earnings for 3Q18.](#)

Here's what we found:

#1 - Avery Dennison - The highest paid CEO in the bar code/RFID industry is Mitchell R Butier. Salary.com and Wallmine.com differed slightly in reporting his compensation which seems to be about \$8.6 million. Note - five other executives at Avery reportedly earned over \$2 million in total compensation. FY 2017. Avery Dennison is profitable and arguably the king of the label industry.

#2 - Zebra - Anders Gustafsson - total compensation approximately \$7.79 million dollars. Five other executives earned over \$1 million as well. FY 2017. The company recently reported strong growth, is profitable and dominates a number of sectors. The market cap is about \$8.7 billion and the symbol is ZBRA.

#3 - Digimarc - Bruce Davis - total comp for FY 2017 - about \$5.4 million. Digimarc has lost money for the last few years, and revenues for the most recent quarter (3Q18) fell 40% over the prior year. Share price touched a multi-year low this week at \$18.94. Symbol DMRC.

#4 - ScanSource - the iconic company and original consolidator of the POS and bar code industry, CEO Mike Baur earned

\$4.4 million in various forms of compensation. ScanSource reported strong growth last quarter and is profitable.

#5 - Cognex - Machine vision specialist, the CEO Robert J Willett had total compensation of approximately \$3.8 million. The company is profitable and currently sports a P/E of 49.

#6 - Impinj - a major player in the RFID industry. CEO Chris Diorio received about \$2.1 million in total compensation for FY 2017. Impinj had revenues last year of \$117 million and is losing money. Nasdaq symbol PI. Market cap is about \$400 million, and some institutional investors have recently cut their stakes.

#7 - GS1 - the Global Standards company and bar code issuing agency - run as a non-profit 501(c) but seemingly quite lucrative, did very well and paid its CEO Robert Carpenter handsomely. He received \$1,964,028 according to GS1 Public Form 990 for 2016. That is about four times the average compensation for non-profit CEOs of the same size*. (*Source: 2018 Guidestar Non-Profit Compensation Report, which showed average annual compensation for CEOs of non-profits with greater than \$50 million budgets at about \$500,000.) GS1 financials (public form 990) are available at Guidestar.org.

#8 - Identiv - CEO Steve Humphreys reportedly received \$451,941 according to Salary.com. Identiv's current market cap is about \$84 million and it is not profitable.

#9 - Socket Mobile - SCKT - CEO Kevin Mills reportedly received \$360k in compensation in 2017. Socket Mobile is not profitable and the current market cap is about \$11 million.

#10 - Intellicheck - CEO transition - data incomplete. Intellicheck's symbol is IDN, has a market cap of roughly \$33

million and is not profitable.

Not ranked due to lack of public info - Honeywell - a key player in the auto id industry, and listed in our column on publicly traded bar code companies. It has a \$5.6 billion division that includes data collection devices. The total compensation information for John F Walton, the head of Honeywell's Safety and Productivity Solutions division could not be located, but based on stock grants (see SEC.gov) and various ratios, we would guess it's in the range of \$700K to \$1.2million. This division reported double digit YoY growth in 3Q18 and increasing margins.

Observations:

First, there are no billionaire bar code executives. No Uber or pizza chain type billionaires here, perhaps because this is an old (by current standards) industry. Or maybe because the most relevant 'app' innovations are with the QR code and it is being embedded everywhere for free. (Denso placed the QR code in the public domain many years ago). Most smartphones can read bar codes very well, and I don't see any trends in sight that are going to create any bar code billionaires either. Maybe we could live without bar code rock stars.

Second - this is an all male club - no women CEOs on this list. (Not making any judgments here.)

Third - only half of these companies are profitable. Since we are likely at the top of a boom cycle, that doesn't bode well for the next economic downturn. We'll see what type of CEO turnover we get in the next 12 months. M&A anyone?

Conclusion:

There's no need to worry about these CEOs having enough money for turkey this Thanksgiving. Shareholders however, in some of these companies, may be digging into couch cushions for spare change for Christmas toys. Shareholders should not tolerate perpetually poor or even perpetually mediocre performance.

Thanks for reading.

Written and prepared by Craig L Aberle, owner - Barcode.com, who does not own any positions in any of these companies, except possibly by virtue of owning an index fund like the S&P 500.

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Disclaimers: All info was obtained from public sources including: SEC.gov, Salary.com, Glassdoor.com, Comparably.com, Wallmine.com, Guidestar.org (for non-profit companies).

HAD ENOUGH?

How about a New Career in Bar Codes or RFID?



There comes a point when we need a new job. Maybe we've grown stale and want a new challenge, or perhaps the company is changing its perspectives. Or maybe we need to spread our wings and find a job with better benefits or a bigger salary. Whatever the reason might be, we've got a list of companies that are hiring and they are located all over the country and the world.

Click to visit our [Bar Code Careers](#) page and start reaching for a new opportunity right now.

Does your present company discourage or prohibit sharing salary information? If so, then this article may be of interest:

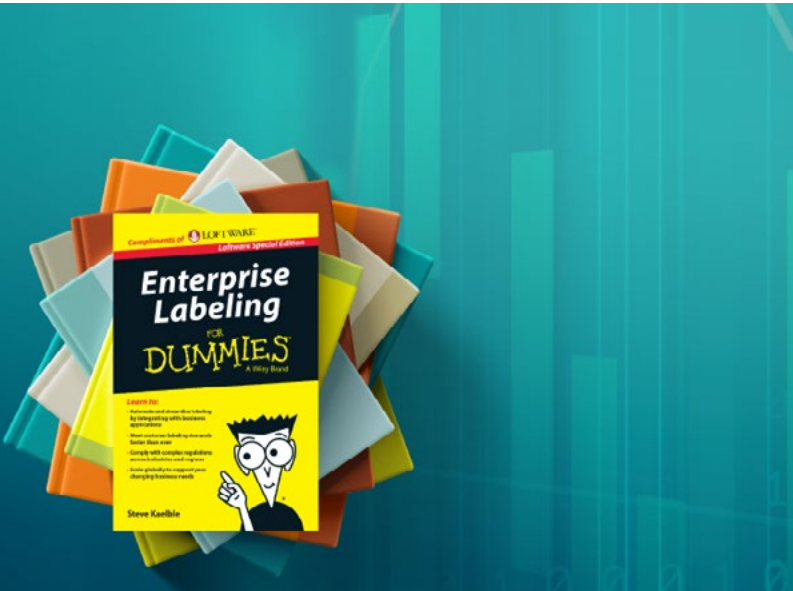
Why You Should Tell Your Co-Workers How Much Money You Make <https://nyti.ms/2NAOH0E>

"What many workers don't realize is that it is unlawful for private sector employers to prohibit employees from discussing wages and compensation, and it has been since the National Labor Relations Act was passed in 1935."

Image source: Wikimedia Commons :[[File:DHS Cyber and Tech Job Fair (28464974800).jpg|thumb|DHS Cyber and Tech Job Fair (28464974800)]]



Executives Are Recognizing the Impact of Labeling



and customer satisfaction. This is why top executives are beginning to understand the undeniable impact that labeling has on a company's bottom line. Enterprise Labeling yields operational efficiencies that translate into significant cost savings generated from reduced capital expenditures, lower IT costs and eliminating penalties and fines. Additionally, by extending labeling to partners and suppliers companies can maximize supply chain efficiencies and eliminate costly relabeling.

Increased Stakeholders Require Greater Visibility
With the number of stakeholders involved in labeling increasing, it's important to provide added visibility to labeling so that evolving requirements can be addressed and managed more effectively. This is why companies today are standardizing on enterprise-class labeling technologies to simplify and automate processes while improving collaboration among their many teams. As involvement across the organization increases, this demands more attention from executives, creating an expectation for greater insight to labeling activities which can be secured through a higher level of analytics and reporting. An Enterprise Labeling Solution which enables multiple departments and stakeholders to have secure access while providing business intelligence capabilities helps to meet that need. Real time data on the status and health of labeling activities across a global enterprise allows executives to leverage analytics to be better informed and drive improvements and cost reductions.

Scale Labeling with Ease
Visionary executives understand that as they continue to expand their presence internationally, it's important to have the flexibility to scale everything - including labeling - to meet new business requirements. Whether adding more locations, expanding into new regions, increasing print volumes, or manufacturing new products, companies must be able to extend labeling processes and enable all user to access accurate and consistent labeling data to adhere to corporate standards. The focus, even when deploying solutions in a distributed fashion, is to continue to maintain the ability to leverage common data sources, content and configurations across sites. This type of distributed approach is essential to handle the rigors of global infrastructures, allowing companies to avoid outages and connectivity issues, while providing high availability, failover and disaster recovery capabilities. Standardizing on an Enterprise Labeling Solution enables companies to eliminate siloed efforts across the globe.

[Continue reading on Barcode.com](http://www.barcode.com)

by Josh Roffman, [Loftware](http://www.loftware.com) VP Product Management

As businesses extend their reach across the global supply chain, labeling has become more prominent, involving multiple departments and requiring a new level of attention. Also, it's clear that labeling has become more complex with evolving customer and regulatory requirements. All this along with increasing recognition from prominent analysts like Gartner and IDC has resulted in top executives becoming more aware of labeling initiatives and the impact they have on businesses. For instance, this year IDC released its first MarketScape study on Enterprise Labeling, which assesses the capabilities and business strategies of vendors in the space. The report suggests that companies recognize Enterprise Labeling as an extension of their supply chain application architecture because it enables improved supply chain operations. Additionally, labeling can have a positive impact on a company's bottom line by reducing maintenance costs, avoiding fines due to non-compliance and preventing supply chain disruption. These are just a couple reasons why many visionary executives are taking more interest in their company's labeling strategy. This is supported in the survey with 89% reporting that management views labeling as strategically important.

Labeling Impacts the Bottom Line

Labeling has always been mission critical, but too often it's overlooked as part of the company's supply chain strategy. However, labeling plays a critical role having a significant impact on operational efficiency, regulatory compliance



Image licensed via Pexels.com

Catch up on issues you missed!
Click below to get more Barcode news.



MAKE A BARCODE

Create a free bar code or QR code using the free tools from our label sponsor

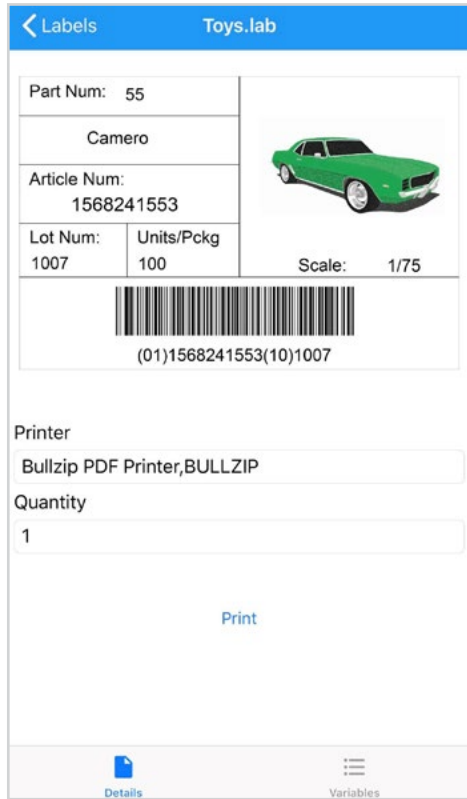
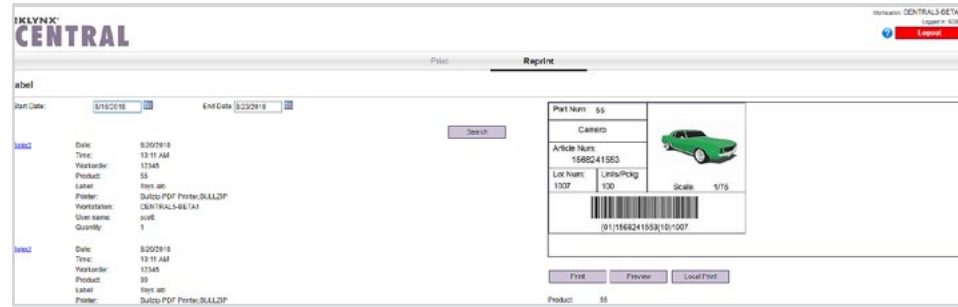


CREATE BARCODE



[Create a sheet of bar code labels with the Maestro Label Designer Software](#)

[Create a QR code for business cards and more](#)



Teklynx Announces Release Of Enterprise Labeling Solution Teklynx Central 5.0

TEKLYNX International, the world's leading barcode and RFID labeling software developer and solutions provider, today announced its launch of enterprise labeling software solution TEKLYNX CENTRAL 5.0. The enterprise label management software offers manufacturers of all sizes a centralized solution that encompasses label design, security and traceability, and print automation to support next-generation digital labeling transformation.

The TEKLYNX CENTRAL 5.0 release includes access to the 2018 version of CODESOFT label design, SENTINEL print automation, and LABEL ARCHIVE label storage and traceability software.

"We're beyond proud to release TEKLYNX CENTRAL 5.0 to the marketplace because it represents the future of enterprise label management across industries," states TEKLYNX General Manager Doug Niemeyer.

TEKLYNX CENTRAL 5.0 product highlights include:

[Continue Article](#)

Savi Introduces Two New Sensors For IoT Asset Tracking For The Government And Military

Savi®, an innovator in big data/machine learning analytic solutions, supply chain management software and sensor technology, today announced it has added two new devices to its current suite of active RFID transponders and interrogators available for use by the US Department of Defense (DoD), NATO, and Federal Government agencies.

IoT™, which is a hybrid active RFID interrogator (reader) and transponder (transmitter). Savi Locate will deliver real-time, in-transit visibility data from the Savi Visibility solution to the DoD's Radio Frequency In-Transit Visibility (RF-ITV) system. Both devices send data over a mobile network.

The new devices are Savi Locate™, which is a GPS location sensor and Savi

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RFID Helps Laundry Service Expand

InvoTech Systems Inc. announced the recent implementation of its Laundry System, by Metro Laundry Service, in the Washington DC area.

A new MLS plant capable of processing over 14 million lbs. of textiles annually. InvoTech Systems is the leading provider of advanced Linen Management, Laundry and Uniform Systems that integrate the latest RFID technology to increase profitability for industrial laun-

dry operations, and hotel and hospital laundries.

The InvoTech Laundry System installed at Metro Laundry Service interfaces with the InvoTech Linen System for the most complete laundry inventory tracking. In addition, the InvoTech Laundry System integrates a comprehensive rental system for linens and uniforms.

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World's Largest Shipper Network Now Tracking Loads In 70+ Countries



FourKites, the leader in predictive supply chain visibility, announced today that it has expanded its operations into the United Kingdom, and plans to open other offices in Europe over the next few months.

FourKites currently tracks loads in more than 70 countries worldwide, working with top shippers and carriers across North America, South America, Europe

and Africa. The FourKites platform is now live in eight languages, with product guides in fifteen languages.

FourKites has already been active in Europe since 2017. The company has onboarded hundreds of European carriers and is integrated with the top telematics providers in the region.

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Avery Dennison Prices \$500 Million Senior Notes Offering

Avery Dennison Corporation (NYSE: AVY) announced today that it has priced an underwritten public offering of \$500,000,000 aggregate principal amount of 4.875% Senior Notes due 2028. The Senior Notes were priced at 99.500% of their principal amount. The offering is expected to close on December 6, 2018, subject to customary closing conditions. The company intends to use the net proceeds from the offering to repay existing indebtedness under its commercial paper program.

The joint book-running managers for the offering are Merrill Lynch, Pierce, Fenner & Smith Incorporated, J.P. Morgan Securities LLC, HSBC Securities (USA) Inc. and Citigroup Global Markets Inc., with Mizuho Securities USA LLC, Standard Chartered Bank, MUFG Securities Americas Inc., SMBC Nikko Securities America, Inc., and Wells Fargo Securities, LLC as co-managers. [Continue reading >>](#)

Got Glyphosate? Snack Company Uses QR Codes To Show No Glyphosate In Its Products

On the heels of a \$289 million verdict linking Monsanto's herbicide glyphosate to the plaintiff's cancer, ZEGO announced it is testing its snacks for glyphosate residue and posting the results for customers to see. Leading what will surely be a new trend in the clean food industry, ZEGO is the first company making glyphosate testing data publicly available.

ZEGO's Z-Code System Uses Blockchain-Based Tracking to Show Glyphosate, Allergen and Gluten Test Results for Every Product.

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Operating Room Automated Supply Chain Solution Simplifies Operations

Cardinal Health inventory management solutions (also known as WaveMark™) has introduced a supply chain automation solution designed for the unique challenges hospitals face in operating rooms (OR). The solution is a single health system-wide platform that allows hospitals to streamline their OR processes, reduce costs and improve efficiency through real-time inventory visibility and prescriptive analytics.

needed to support and advance their cost position and clinical ambitions.

"We recognized that the OR supply chain is not only one of the most expensive areas in a hospital, it's also one of the most challenging. By ensuring that resources are in the right place and available when needed, we help our customers maintain their focus on improving on improving patient care."

With up-to-the-minute insights and wrap-around logistics, hospital operations can rise to level of excellence

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Public Influence, Cost Savings Prompt 98% Of Retail Companies To Commit To Supply Chain Sustainability

Research from iPoint BiS, a member of iPoint Group, a leading provider of software and consulting for environmental and social product compliance and sustainability, has revealed that consumer pressure is forcing a substantial shift in the attitudes of retail and Fast-Moving Consumer Goods (FMCG) and Consumer Packaged Goods (CPG) organizations towards sustainable supply chain practices. The survey questioned 250 U.S. and U.K. supply chain decision-makers, finding that 98% of organizations have a commitment in place towards achiev-

ing supply chain sustainability. Nearly half stated they are "very committed."

This commitment stems from the fact that almost a third (30%) have a full-time employee working on sustainability in the supply chain. It is also increasingly a board-level responsibility, with a quarter of firms report that supply chain sustainability is a C-level consideration.

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Hosting Company Warns Of Increased Supply-Chain Attack Risk

Future Hosting, a managed server hosting provider, has advised eCommerce retailers to be vigilant of the risk posed by supply-chain attacks. The advice comes in the wake of a number of massive data breaches caused by third-party libraries infected with malicious code.

The Magecart credit card scraper is the most prominent example of malware injected via third-party JavaScript libraries. In recent months, several large eCommerce stores and innumerable smaller stores have been infected with Magecart. The malware scrapes credit card numbers and sends them to servers under the attacker's control.

Rather than attacking eCommerce stores directly, supply chain attacks focus on third-party libraries and tools.

[Read more >>](#)

Supply Chain Security Company Announces Seed Round Led By Kleiner Perkins

DUST Identity, pioneers of the world's first diamond unclonable security tag, launched out of stealth today to announce it has secured \$2.3 million in seed funding led by Kleiner Perkins, with participation from New Science Ventures, Angular Ventures, and Castle Island Ventures. The investment will be used to accelerate the research and development of its advanced, proprietary technology and product line-up, accelerate business development opportunities, and to double... [Read more >>](#)



Samsung Is Utilizing Smart Locks And Smart Barcodes

Samsung, last year, launched its state-of-the-art Galaxy Tab A 8.0" model. In addition to the newly designed premium look and feel, coupled with the widescreen display and long-lasting battery, the Tab A 8.0" is now fully equipped with the Digital Safety Smart Lock protection.

Smart Lock installation occurs during manufacturing, rendering the tablet non-functional until purchased by the consumer. If stolen, Tab A 8.0" remains locked and altogether useless to offenders.

The 360-degree smart solution is paired

with 3S Smart Barcodes, eliminating return fraud and providing individual item history and tracking capabilities.

Samsung is utilizing Smart Locks and Smart Barcodes on the Tab A 8.0" model to:

- remove all benefits to shoplifters
- fully reject present and future return fraud attempts.

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GS1 US Launches GS1 US Rx EPCIS Conformance Testing Program

GS1 US® has launched a new GS1 US Rx EPCIS Conformance Testing Program, designed to support the pharmaceutical industry in implementing the Electronic Product Code Information Services (EPCIS) standard to meet the data exchange requirements of the United States Drug Supply Chain Security Act (DSCSA). Conformance testing validates that an EPCIS event file follows the industry suggested format and structure for serialized item data exchange.

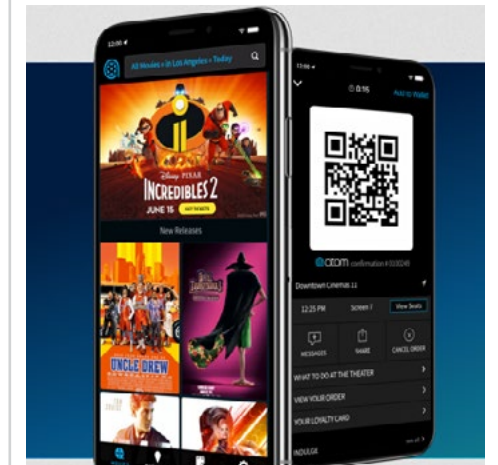
will administer EPCIS Rx Conformance tests.

To improve patient safety, DSCSA requires that by 2023 pharmaceutical trading partners share chain-of-ownership data in a manner that allows for serialized item traceability back to the product origin. Members of the U.S. pharmaceutical industry have been preparing their systems and business processes to meet DSCSA requirements and many have chosen to use EPCIS to support DSCSA data exchange.

Drummond Group is the first third-party conformance testing service provider to have been certified by GS1 US, and

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Movie Ticket App Lets You Flash A QR Code For Tix, Popcorn And More



At the theater, users skip the box office lines and go directly to the ticket attendants and Atom express concession lanes where they simply scan a QR code on Atom-branded tablets to redeem their order. Atom's innovative platform keeps all plans, messages, payment, tickets and rewards in one convenient place—your phone.

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Savi Technology Raises \$7.5m In New Funding

Savi®, an innovator in big data/machine learning analytic solutions, supply chain management software and sensor technology, today announced it has raised \$7.5 million in financing led by Eastward Capital Partners and joined by current internal investors.

Kimberly Cafferty of Cafferty & Company was an advisor to Savi for this investment agreement. This capital infusion will accelerate development of Savi's innovative in-transit visibility and analytics suite and expand commercial and government market growth.

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New Handheld Payment Terminal Incorporates Bar Code Readers

North American Bancard Holdings, LLC (NAB), an innovative payment technology company with a dynamic product platform, and parent company of PayAnywhere, today announced the PayAnywhere Smart Terminal. The PayAnywhere Smart Terminal is a sleek and efficient device powered by the robust and user-friendly features of the PayAnywhere application.

The PayAnywhere Smart Terminal allows merchants to accept payments,

run their business and connect with their customers in a seamless and convenient way.

Preloaded with the PayAnywhere mobile app, the PayAnywhere Smart Terminal gives businesses the capability of inventory tracking, real-time reporting, and employee management – all of which are easily accessible through the PayAnywhere Inside portal, as well.

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Unlock The Fridge With A QR Code - From Electrolux And Karma

Electrolux, together with the startup Karma, introduces a smart refrigerator for grocery stores. The refrigerator, beta launched today, will be integrated with Karma's app and will contribute to the reduction of food waste by making it easier for supermarkets to sell food not bought before the end of the working day to consumers.

In August 2018, Electrolux announced that it is investing in the Sweden-born startup Karma. At the same time, the two companies initiated a strategic

partnership, exploring innovative solutions for the future of food and jointly helping consumers and the food industry take bigger responsibility in reducing food waste.

The partnership combines Electrolux's expertise on food preservation with Karma's technology and knowledge of food waste.

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Resource Label Group Makes 3rd Acquisition This Year

Resource Label Group, LLC ("Resource Label"), a full-service provider of pressure sensitive label, shrink sleeve and RFID/NFC technology for the packaging industry, today announced that it has acquired Spectrum Label Corporation ("Spectrum Label"), a leading supplier of pressure sensitive labeling solutions for various segments including food, medical and pharmaceutical. Terms of the transaction were not disclosed.

Spectrum Label was founded in 1968 and gradually grew into one of the leading flexographic printers in the nation. Located in Hayward, California, Spectrum provides a full range of flexographic printing capabilities as well as state-of-the-art finishing technology for national and regional based customers.

"I am proud to welcome Jerry Kwok and his employees to Resource Label Group," said Mike Apperson, President and CEO of Resource Label... [Continue reading >>](#)

AIM Names IFT's William Fisher 2018 Moore Award Recipient

AIM, the trusted worldwide industry association for the automatic identification industry, providing unbiased information, educational resources and standards for nearly half a century, has named William Fisher, MS, CFS, of the Institute of Food Technologists (IFT) recipient of the 2018 Bert Moore Award.

The award, created in 2007 as the Excellence in Journalism Award was established to recognize a journalist or media representative in the automatic identification... [Continue reading >>](#)



Social Robot Duck Uses RFID To Engage Kids During Cancer Care

Aflac, the leader in voluntary insurance sales at U.S. worksites, today delivered My Special Aflac Duck™ to Monroe Carell Jr. Children's Hospital at Vanderbilt in Nashville, Tennessee. My Special Aflac Duck, designed by Sproutel, is a social robot that uses medical play, lifelike movement, and emotions to engage and help comfort kids during their cancer care. Today's first-ever delivery to the Children's Hospital at Vanderbilt follows more than 18 months of child-centered research conducted with children, parents and medical providers at the Aflac Cancer and Blood Disorders Center of Children's Healthcare of Atlanta.

Today's special delivery in Nashville marks yet another important milestone in our mission to put a My Special Aflac Duck into the arms of every child newly diagnosed with cancer in America to help them cope during their often-challenging cancer journey," Aflac Chairman and CEO Dan Amos said. "It has been a wonderful investment at Aflac to see the joy and witness the smiles on kids' faces when they receive their own comforting companion. Our employees and independent agents are honored to be a part of creating these memorable moments for the brave children being treated... [Continue reading >>](#)

CMI Time Management Releases The New RFID Time Clock And Workforce Management Terminal

CMI Time Management, a leading global provider of innovative workforce and resource management products for companies in a variety of major industries, announced the release of the latest entry in its proprietary TouchTime line of data collection terminals. Powered by an updated Windows operating system, the TouchTime III time clock and workforce management solution delivers sophisticated employee self-service capabilities designed to minimize time-consuming manual data

entry for human resource and operations departments.

"Because of the nature of their work, many companies do not provide every employee with a personal computer," said James Bianco, Vice President of marketing for CMI Time Management.

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Efficient New Bar Code Labeling Kit From Datalogic And Brother Mobile



Brother Mobile Solutions, Inc. (BMS), a provider of award-winning mobile and desktop printers is broadening its successful alliance with Datalogic, a leader in automatic data capture and world-class producer of bar code readers. The two companies will market their mobile scan and print products to meet a growing demand for solutions that increase efficiency and help reduce the cost of labeling in retail, warehouse, medical and other evolving industries.

BMS and Datalogic have established a solid track record of developing turnkey scan and print labeling solutions that are currently delivering value at many points along the supply chain. [Continue reading >>](#)

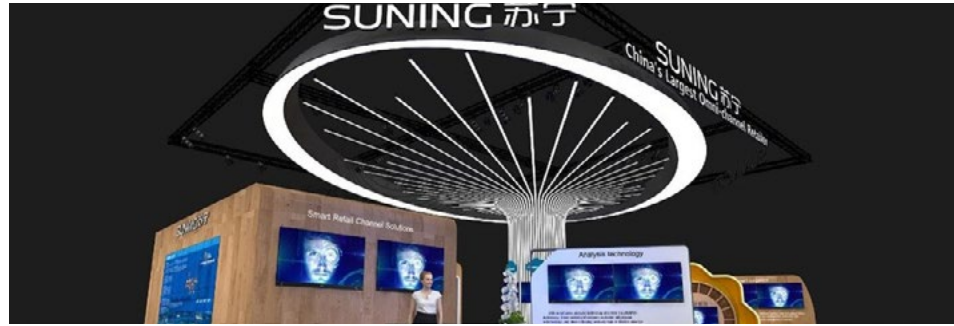
SATO Launches StoreAdvise To Focus On Intelligent Technology-Based Solutions

SATO, a global provider of auto-ID solutions that empower workforces and streamline operations, has launched StoreAdvise, designed to help retailers use the latest technology and services to automate the store and improve the customer experience.

The organization will offer intelligent software-based retail solutions and services that help retailers refine the in-store shopper experience, improve store operations and increase visibility into inventory, store performance and customer behaviors.

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Suning To Showcase Retail Robot Recognizing QR Codes At CES 2019

Suning, the commercial giant ranked second in China's top non-state-owned enterprises and owners of Suning.com, a Fortune Global 500 retail company, will showcase its leading omni-channel operations and innovations in the fields of Smart Retail and Smart Home at CES 2019 in Las Vegas next week.

Suning's booth, which is themed 'Suning — China's Largest Omni-channel Retailer' and located at Booth 26030 at LVCC S2 Area, will bring visitors a fu-

turistic vision of the Smart Retail and Smart Home by presenting a number of AI-based commercial applications across Suning's current business portfolio.

Dr Jack Jing, COO of Suning Technology Group, who will be revealing more about Suning's RaaS (Retail as a Service) strategy based on the Smart Retail concept at CES 2019, said:

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FourKites Enables Real-Time, Multimodal Freight Tracking Capabilities For JDA Luminate Control Tower

FourKites, the leader in predictive supply chain visibility, today announced that JDA Software, Inc. has selected FourKites to provide predictive ETA data and delay/delivery notifications for its new flagship JDA® Luminate™ Control Tower product (announced last week).

JDA Luminate Control Tower is a Software-as-a-Service (SaaS) solution that serves as an end-to-end crisis control center allowing companies to see, in-

terpret and act on real-time information from the entire supply chain and extended third-party digital ecosystem. It allows companies to sense unexpected events across their cross-enterprise supply chains, identify the potential impact of actual and potential disruptions or demand changes, and prescribe recommended corrective action with machine learning-based guidance.

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Meredith Demonstrates Its Smart QR Codes At CES 2019

Meredith Corporation (NYSE: MDP; www.Meredith.com), the nation's largest brand-powered food, lifestyle and entertainment media company, engaging over 175 million unduplicated American consumers every month, is launching Meredith Innovation Group, the company's new business unit focused on innovation and consumer product development which includes Meredith Product Studio, as well as new consumer products, such as Meredith Voice Network and Meredith Smart Codes, at the Consumer Electronics Show (CES) in Las Vegas this week.

Meredith Smart Codes apply QR code technology to enable readers to use their smartphones to scan magazine pages across the Meredith portfolio and connect to a wide range of digital experiences while generating enhanced ad performance and attribution data for advertisers.

[Continue reading >>](#)

EXHIBITOR Magazine Releases Research On Marketing-Related Technology Including RFID

EXHIBITOR magazine, the award-winning leader in trade show and corporate event marketing education, has released the results of its 2018 Marketing Technology Survey, which queried exhibit and event professionals from nearly 200 companies on their experiences with and opinions of marketing-related technologies employed on the trade show floor and as part of their organizations' corporate events.

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Impinj Hires Hussein Mecklai As Executive Vice President Of Engineering

Impinj, Inc. (NASDAQ: PI), a leading provider and pioneer of RAIN RFID solutions, today announced that Hussein Mecklai has joined the company as executive vice president of engineering. Mecklai will lead Impinj's entire engineering organization.

"Hussein is a proven leader of inspired, innovative, and high-performing engineering teams, notably earning Intel's highest organization award, the Intel Quality Award," said Chris Diorio, Impinj founder and CEO. "Hussein's technical knowledge and leadership skills complement that of the rest of our execu-

tive team and our talented engineers are looking forward to working with him to deliver our vision of digital life for everyday items."

Mecklai has over 20 years' experience in leading engineering organizations. Most recently, he was vice president and general manager, product architecture group at Intel, where he was responsible for defining the product architecture of 90% of Intel's products, by revenue, including the personal computer and data center franchises.

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Checkpoint Celebrates 50 Years By Opening Center Featuring Over 40 Connected Store Technologies

Checkpoint Systems, the only vertically integrated solution provider for retail, today announced that it is marking its 50th year anniversary with the opening of a new Customer Experience Center at its North American headquarters in Thorofare, NJ.

Checkpoint Systems announced that it is marking its 50th year anniversary with the opening of a new Customer Experience Center at its North American headquarters in Thorofare, NJ. The

Customer Experience Center is a multistore format retail technology laboratory featuring more than 40 connected store technologies. It enables Checkpoint engineers and retailers to interact with, test and trial connected store solutions so they can gain valuable insights in a working lab environment prior to store wide deployment.

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Sensware Announces Record Patent Portfolio Growth, Positioning The Company For IoT Market Leadership



Sensware has executed on their strategy of creating a rich collection of IP assets central to the rapidly emerging market for IoT smart building services. Sensware's IoT Platform delivers broad horizontal support across the complete spectrum of PropTech industry verticals that require real-time data and visualizations.

The patent for invention number 10,171,972 covers data forwarding configuration that enables cloud-to-cloud integration of IoT platforms.

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Omron To Demo Traceability, Flexible Manufacturing And Mobility Solutions At NAIAS AutoMobili-D

Industrial automation solutions provider Omron Automation Americas will showcase its wide-ranging technology portfolio for the automotive industry at the North American International Auto Show (NAIAS) AutoMobili-D event on January 14-17 at Cobo Center in Detroit.

Omron's solutions help manufacturers boost productivity and flexibility while minimizing downtime and warranty costs and also help manage recalls more effectively.

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Pizza Kiosk Uses QR Codes For Pickup, Wins Two National Awards

Little Caesars, the pizza chain known for breakthrough innovations like Piz-za!Pizza! ® and HOT-N-READY®, received two prominent awards. QSR Magazine honored Little Caesars with the Applied Technology Award and the International Franchise Association awarded the pizza chain with the Marketing and Technology Innovation Award for its industry-changing Pizza Portal pickup technology introduced earlier this year.

“We are thrilled to receive these prestigious recognitions from two of the most prominent voices in the restaurant franchising industry,” said David Scrivano, President and CEO of Little Caesars. “We’re very pleased by the incredible feedback we’ve received from customers about the Pizza Portal pickup after our recent national rollout.”

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Updated Dynamsoft Barcode Reader SDK Allows App-Less Smartphone Scanning From Browsers

Dynamsoft has updated its Barcode Reader Software Development Kit as a pure JavaScript API Edition, based on WebAssembly, to enable cross-browser and cross-platform online barcode scanning.

reading. This saves bandwidth and improves efficiency. In many cases, businesses use a browser-based system for pre-defined workflows. So, the JavaScript web API from the SDK will integrate easily into such workflows.

These new features will empower developers with new conveniences for users. Users can scan barcodes in real-time from a browser using their smartphone without requiring an app download. There’s also no need to capture an image and send it to a server for

The new JavaScript barcode reader supports real-time localization and decoding of various 1D and 2D barcodes from static images.

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Systemtech Releases Expanded Cloud Platform To Secure Global Supply Chains

Systemtech, a global leader in supply chain security and brand protection, today announced the latest release of its cloud-based traceability and authentication solutions, which ensure that products are authentic, safe and connected throughout the supply chain. This expanded solution features the company’s award-winning, non-additive e-Fingerprint® technology—which turns any printed barcode into a unique, digital identifier—coupled with enhanced track-and-trace capabilities and compliance. New functionality available with this release includes:

- Actionable operational intelligence for daily use and information sharing
- Organization-wide analytics to meet technical and business objectives
- e-Fingerprint support for a wider variety of product packaging sizes and substrates

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New ‘Risk Game’ Is A Fun Simulated Educational Workshop On Supply Chain Risk Management

Resilinc, the leading provider of supply chain visibility data-as-a-service and advanced risk analytics solutions, has developed a role-playing game that can turn a typical conference, workshop or classroom into a lively learning and team-building experience.

“The Risk Game is an effective, interactive workshop for supply chain practitioners or students to collaborate, encounter real-life risk scenarios and...”

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TEKLYNX International Named To Food Logistics’ 2018 FL100+ Top Software And Technology Providers List

TEKLYNX International, the world’s leading barcode and RFID labeling software developer and solutions provider, today announced that it has earned a place on Food Logistics’ coveted 2018 FL100+ Top Software and Technology Providers list for the fourth consecutive year.

Featured in the November/December 2018 issue of Food Logistics magazine, the list features software and technology providers whose products and services are critical for companies

throughout the global food and beverage supply chain.

“We’re proud to be selected for Food Logistics’ prestigious FL100+ list for the fourth year in a row because it showcases TEKLYNX’ continued commitment to providing the food and beverage industry with efficient, smart and scalable barcode labeling and RFID software solutions and unparalleled customer support,” states TEKLYNX General Manager Doug Niemeyer.

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Esker Named To Food Logistics’ 2018 FL100+ Top Software And Technology Providers

Esker, a worldwide leader in AI-driven document process automation solutions and pioneer in cloud computing, has been named a 2018 FL100+ Top Software and Technology Provider by Food Logistics, a publication dedicated to covering the movement of product through the global food supply chain.

The annual FL100+ Top Software and Technology Providers list serves as a resource guide of software and technology providers whose products and ser-

vices are critical for companies in the global food and beverage supply chain. “The digital supply chain continues its rapid emergence, bringing with it expanded capabilities that impact visibility, security, compliance and efficiency,” remarks Lara L. Sowinski, editorial director for Food Logistics and its sister publication, Supply & Demand Chain Executive.

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3D Scanning Device To Identify Repair Parts In Seconds To Debut At CES 2019



SkuBot will debut two new 3D scanning and product recognition systems for consumers, tradesmen and retailers that use its computer vision platform and product ID system to recognize hard to identify parts in seconds from hundreds of manufacturers. SkuBot’s parts identification system, powered by HP, identifies maintenance repair parts by their unique physical shape with 98 percent accuracy. SkuBot will be at CES, January 8-11, Venetian Hospitality Suites and at ShowStoppers, January 8.

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Cooltrax Named To Food Logistics’ 2018 FL100+ Top Software And Technology Providers

Food Logistics, the only publication exclusively dedicated to covering the movement of product through the global food supply chain, has named Cooltrax to its 2018 FL100+ Top Software and Technology Providers list. “The digital supply chain continues its rapid emergence, bringing with it expanded capabilities that impact visibility, security, compliance and efficiency,” remarks Lara L. Sowinski, editorial director for Food Logistics and its sister publication, Supply & Demand Chain Executive.

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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.



OnlineLabels.com

OnlineLabels.com is the premier resource for all of your barcode labeling needs. Browse the largest selection of ready-to-ship barcode labels today! Since we're the manufacturer, we're able to offer factory direct pricing on all of our labels.



Intra Package Tracking Software

SCLogic is the leader in package tracking software solutions. We design, develop, deploy and support our software, Intra Enterprise.



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

POSPaper.com

POSPaper.com has established itself as an industry leader by delivering the highest quality products at wholesale prices. With a national network of distribution facilities, POSPaper.com provides the online advantage for all of your business supply needs with delivery from the warehouse closest to your location.



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.



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.



BarCodesTALK



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- Lowest Price Guarantee
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- EPS & JPEG Images Included
- Excel and PDF Spreadsheet of Numbers

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NRF 2019

RETAIL'S BIG SHOW

January 13-15, 2019 - NRF 2019
New York City - [Learn more](#)



February 5-7, 2019 - Future Stores Miami
Miami, FL - [Learn more](#)



February 24-27, 2019 -LINK Retail Supply Chain
Orlando, FL - [Learn more](#)



February 25-27, 2019 - China Vending Machines
& Self-Service Facilities Fair | China - [Learn more](#)



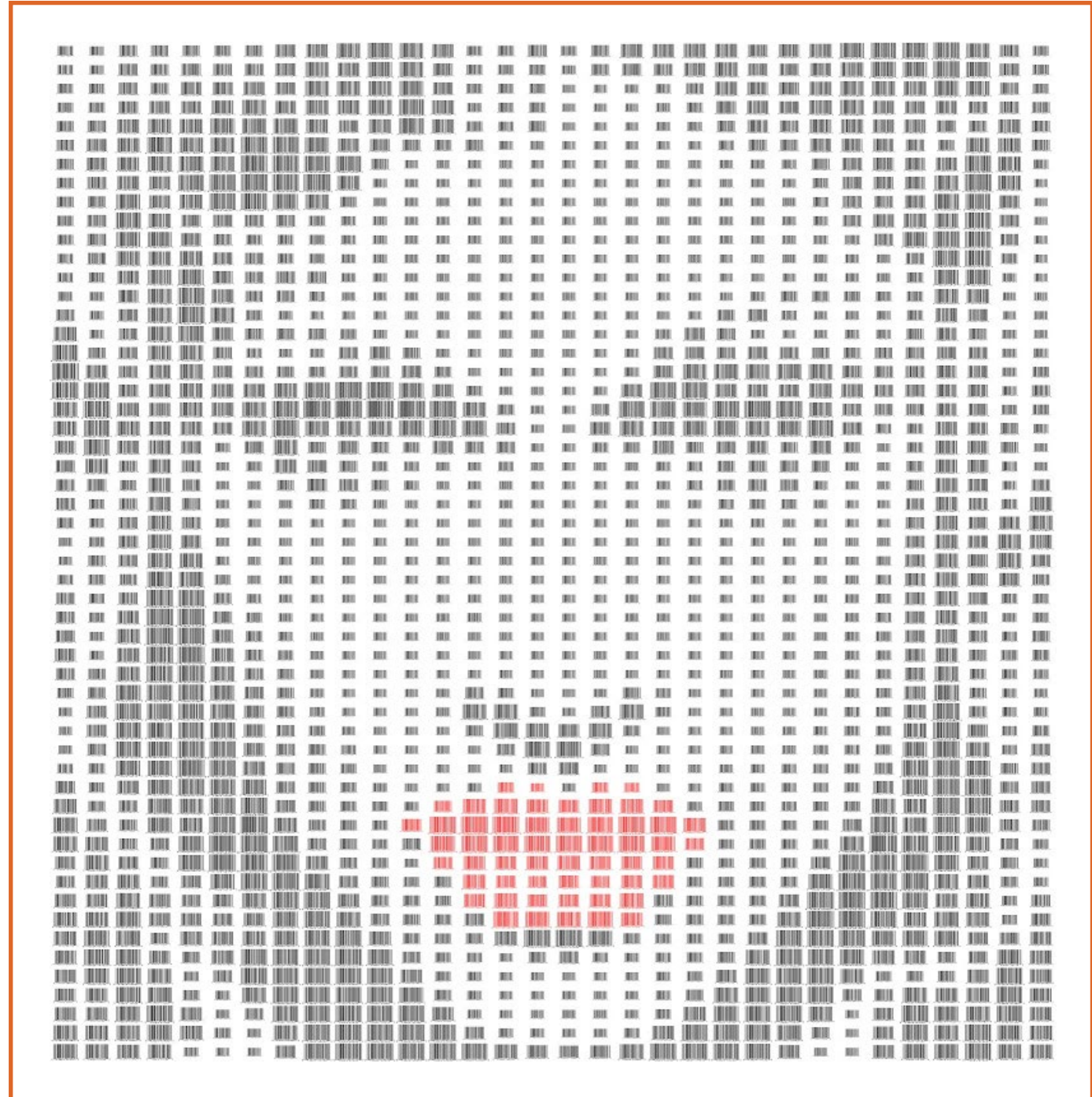
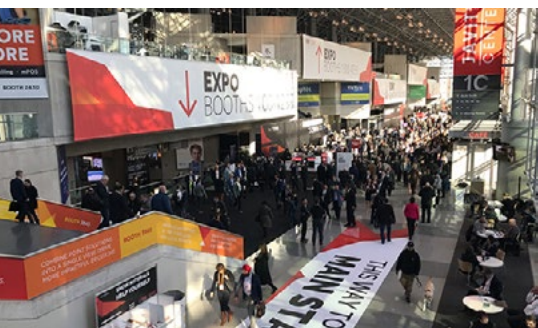
April 2-4, 2019 - RFID Journal LIVE!
Phoenix, AZ - [Learn more](#)



April 8-11, 2019 - PROMAT 2019
Chicago, IL - [Learn more](#)



If you know of a trade show or event that should be listed here, [please contact us.](#)



Barcode Art by [Scott Blake at BarcodeArt.com](#)

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.

[Learn more >>](#)

▶ 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.

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Craig L Aberle
Owner, publisher and bar code fan

Careers in Barcoding, RFID, Supply Chain



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

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

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