

Barcode Data Collection

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RFID

WLAN

AIDC

mobility

auto ID

data collection labeling

software
development

wireless



WHAT CAN IMPLEMENTING A BARCODE SYSTEM DO FOR YOU?

Look closely into any competitive business and you'll find barcodes visible at all stages of operations – accurately identifying raw materials, tracking work in process, managing inventory, directing shipments, and providing lifetime identification for service and warranty management. The benefits are clear too – accurate information, real-time visibility, and a highly productive work force.

These benefits show up in many ways:

- Research found that companies who support their enterprise resource planning with real-time automated data collection achieve a 50% higher return on their ERP investment than those who do not.
- Warehouse operations supported with wireless barcode input commonly achieve 99.x% inventory accuracy.
- Experienced typists make one error approximately every 300 keystrokes. Entering data by barcode scanning keeps errors – and the time and labor needed to resolve them – out of operations.
- Practically any business can take advantage of barcoding to free up workers and reduce the paperwork needed to manage assets, supplies and shipments.

It's clear to see how organizations rely on barcoding to keep errors and inefficiency out of their operations. What's less clear is all that goes in to making barcode systems reliable and effective.

How do you know:

- What's the best barcode symbology to encode the information needed in the space available?
- Which printer and label materials will be reliable in your different usage environments?
- What kind of scanning and industrial computing systems can capture and record the barcode information every time?
- How can it all integrate in real-time with inventory control, WMS, materials management and other enterprise applications?

The success or failure of a barcode project relies on these questions. Proven expertise in these issues is why companies rely on Barcoding Inc. to get exactly the barcode solutions they need.



“I’ve been in this business for over 20 years, and this is by far the easiest implementation I have ever experienced.”

- Larry Scott
Senior Vice President
American Mills



A warehouse worker in a red safety vest is using a handheld barcode scanner on a pallet of boxes. The boxes are stacked on a pallet and have labels that say "S-1 PARTS". The worker is standing on a pallet jack. The background shows more boxes and a blue metal structure.

SET A SOLID FOUNDATION

With barcode data collection you're positioned to take advantage of packaged software applications that were built to bring businesses the benefits of real-time data. Barcoding Inc. can help you quickly install and integrate these packages for managing assets, inventory, shipments, and other common business information.

DATA COLLECTION APPLICATIONS

Barcoding Inc. features a suite of data collection software applications that run on handheld computers with integrated barcode readers. Select individual applications or the entire suite. We can provide software preloaded on handheld computers as part of a complete solution including barcode label printers and supplies, asset labels, plus additional mobile computers, barcode readers and a wireless infrastructure as required. Software packages include:

- **Stockroom Inventory:** manage supplies, materials and finished goods inventory with the accuracy of barcoding and the efficiency of real-time communication. Multiple transactions, alerts and report types are supported.
- **Check In/Out:** track and record movements of files, inventory, assets, and personnel.
- **Fixed Assets:** automatically identify assets and generate reports or export the data to your own spreadsheets, databases, or asset management systems.
- **Package Tracking:** monitor transfers and deliveries of packages, mail, and files within your organization – with electronic signature capture for proof of delivery.
- **Inventory Shipping Receiving Picking (ISRP):** ideal for order fulfillment in small business and warehouse environments. It automates many tasks including generation of barcoded shipping labels.
- **Warehouse Management:** a more robust application that has features for managing warehouse and yard processes, with additional modules available for 3PL and cold chain operations.
- **RF SDK:** a wireless software development kit for creating your own wireless applications to run on many leading handheld and vehicle-mounted computers. Work in your favorite Windows development environment to build client/server apps that link to popular database, and other formats.

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CASE STUDY:

FUJIFILM, A LEADING PHOTOGRAPHIC FILM MANUFACTURER.

The Challenge: Film undergoes multiple chemical reaction processes during production. The processes are different for each time of film, necessitating accurate WIP tracking. Fujifilm workers manually identified each work in process item and loaded it into a specific chemical chamber, which slowed production and created error opportunities.

The Solution: Barcoding Inc. demonstrated a method for identifying materials and production stations by barcode, specified and provided intrinsically safe wireless handheld computers with integrated barcode readers for capturing WIP data, researched and provided barcode label material that could withstand the chemical environment, and created a custom application to manage the process. It used to take workers several minutes to identify materials, load them into the proper chemical chambers, and record the data. Now it is all done in seconds, and the transaction is reported to Fujifilm's production management system in real time over a wireless LAN.

The Barcoding Inc. Difference: As an independent integrator who works closely with multiple leading manufacturers, Barcoding Inc. could pick and choose the precise barcode label material, printer and industrial wireless computers to provide excellent performance in the unusual and challenging manufacturing environment. Combined with our wireless networking integration and software development expertise, we provided Fujifilm with a single source to meet its production automation needs.

At Barcoding Inc. we understand how to get maximum return-on-investment (ROI) from a barcoding system, because we also understand total cost of ownership (TCO). The best barcode systems run reliably, complement your business processes, and integrate seamlessly with enterprise software and IT systems. That's just what we provide. Take advantage of our experience from thousands of successful installations, nationwide

support, and our leadership in barcode and wireless technology development. Our close relationships with numerous leading barcode hardware, software, mobile computing, and wireless technology providers to bring you exactly what your business needs. We bring it all together and give you a single point of contact for all your equipment, software, installation, integration, supplies, and service needs.

It's not just about collecting data... ...it's about improving your business

BARCODE PRINTING

The effectiveness of your barcode initiatives depend on the quality of the barcodes. Beware of cookie-cutter approaches to barcode labeling. To make sure you can read every label, every time, we carry stationary, mobile, and wireless printers from the leading manufacturers, plus thousands of label material and supply options. Our experts will match your barcode printing system to your usage conditions and IT standards – from shipment and compliance labeling, to complex two-dimensional (2D) asset and part identification symbols, to synthetic and metal label materials for lifetime identification and traceability. To make barcoding easy on your IT staff, we offer multiple options for designing labels, managing the print process, and remotely monitoring, configuring, and troubleshooting printers.



BARCODE SCANNING

Do you need a laser, CCD, or digital imager? Fixed-position or mobile? Should the scanner be integrated with a mobile computer or be a separate handheld unit? Cabled or wireless? What if you need to read 2D codes or capture signatures? Barcoding Inc. has the answers, and the full line of products to meet these and other needs. We carry more than 20,000 products for reading barcodes – including the models that will provide the best performance and reliability in your specific usage environment.



Any business that relies on time-sensitive information can benefit from barcode data collection. Below are just some of the industries that we have implemented systems for. Visit www.barcoding.com to learn more about specific solutions.

- Aerospace and Defense
- Airline
- Automotive
- Banking
- Capital Markets
- Chemicals
- Communications
- Consumer Goods and Services
- Department of Defense
- Education
- Electronics and High Tech
- Energy
- Financial Services
- Food and Beverage
- Footwear and Apparel
- Forest Products
- Freight and Logistics
- Gaming
- Government
- Health and Life Sciences
- Healthcare
- Hospitality
- Industrial Equipment
- Insurance
- Manufacturing
- Media and Entertainment
- Medical Products
- Metals and Mining
- Military
- Pharmaceuticals
- Rail
- Retail
- Transportation and Logistics
- Travel Services
- Utilities
- Warehouse and Distribution

SOFTWARE

Software turns barcode data into information to enhance operations and improve decision making. Barcoding can quickly deploy proven, packaged solutions for inventory control, asset management, route accounting, DSD, proof of delivery, parcel tracking, stockroom management, shipping, fleet management, dispatch, receiving, warehouse management, and other operations.

Our services include complete integration with your legacy IT systems and enterprise applications.

Besides packaged software, Barcoding Inc. provides a variety of terminal emulation, ERP interface and custom development options. Our Software Services Group (SSG) has successfully completed projects for hundreds of customers and can draw on its extensive experience and code base to quickly and economically create the application to meet your user, host environment, and budget needs.

COMPLEMENTARY TECHNOLOGY

Barcode systems don't stand alone – they integrate with industrial computers, wireless networks and IT systems to deliver accurate information whenever and wherever it's needed. Not only do we carry and support a complete range of mobile and rugged computers & data collection devices, we are leaders in wireless LAN and wide-area wireless network integration.

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