



"InforBarcode is a key enabler to balancing the simplicity of Lean with the complexity of data acquisition for business and regulatory compliance."

—AMR MAY 2004



INFORBARCODE

DO BUSINESS BETTER.

In today's world of globalization and price pressures, manufacturers rely on enterprise resource planning (ERP) systems to help them cut costs and improve profits. Powerful and stringent, these systems are transactionbased and employ multiple, sequential steps to process company data. However, as the functional breadth of ERP systems has expanded, they have acquired a complexity that can be overwhelming—especially to those who are in the throes of implementation or are experiencing rapid and frequent changes in their business. In order to fully unleash the power of your ERP system, you must simplify and automate the key material processes in the business, leveraging technology to reduce the time and cost associated with those processes and streamlining the logistics and production areas.

LEVERAGE EXPERIENCE.

Infor™'s ERP system offers manufacturers businessspecific solutions with more than 25 years of experience built in. With its vast domain knowledge of manufacturing companies, Infor understands the changing trends in manufacturing due to "lean clock speed" and knows that ERP systems—despite their complexity—can operate in a lean fashion. Infor Bar Code for ERP LN—the data collection solution for Infor ERP LN—reduces operational costs and automates shop floor, warehousing and distribution operations, facilitating the timely flow of materials through organizations and helping them stay competitive.

Unlike other, more complicated, data collection solutions, InforBarcode for ERP LN can be implemented quickly and effectively, yet is underpinned by a web-based administration environment that permits rapid configuring and re-configuring as business processes change. InforBarcode fully supports lean initiatives, as it helps companies eliminate MUDA (a Japanese term for any activity that does not add value) in warehousing, distribution, and manufacturing.

GET BUSINESS SPECIFIC.

InforBarcode helps companies cut costs while improving profits via a suite of InforBarcode products. From receiving and shipping to everything in between, InforBarcode integrates seamlessly with Infor ERP LN, revolutionizing how companies use this innovative business solution. InforBarcode requires nothing more sophisticated than, ideally, an Automated Data Capture (ADC) server, with typically nothing more than a high-end PC specification. The solution is scalable from several—to several hundred—devices, and has an extensive set of transaction analytics to support its effective management. Most of InforBarcode's standard and optional features are user configurable, without requiring programming. The InforBarcode suite spans the following functional areas:

PURCHASE RECEIVING

InforBarcode for ERP LN offers a feature-rich set of solutions that automate the purchase receiving process, with options that cover:

Purchase Order Receipt.

- ▶ Automatic creation of multiple lot numbers and “cascading” receipts (multiline receipt with one transaction).
- ▶ Generation of “receiver” documents by purchase order line.
- ▶ Single-step receipt of multiple lots.
- ▶ Simultaneous receipt of subcontract items and report of the operation on the related production order.
- ▶ Single-step integration of the receipt of subcontract items with corresponding completion of the subcontract production operation.
- ▶ Tolerance checks on quantities and dates to ensure materials are accepted only when required.
- ▶ Generation of inbound advice using standard Infor ERP LN inbound rules.
- ▶ Release of inbound data.
- ▶ Support for receipts against purchase schedules, as well as receipt against an Advance Shipping Notice (ASN).

Label Printing.

User-configurable label printing tracks the subsequent movement of materials through the internal process when vendors are not able to provide bar code labels upon delivery. Users can reprint the purchase receiving label, production receipt label, and cross docking label.

Cross Docking of Receipts to Requirements.

Maintain the outbound and optionally release it based on the cross docking parameter set up for all types of requirements, either at the time of receiving material, putaway, approvals, production reporting, return of material from customers or production, or service. Print move ticket indicating where to deliver the goods.



WAREHOUSING

Following the initial purchase receipt, InforBarcode for ERP LN manages the following activities:

Putaway—Inbound Generation and Release.

Putaway material by order/line—including "cascaded" putaway by item into multiple locations—and automatically add fixed locations.

Material Staging.

Dynamically display the outbound data to pick and move material to a hold location for later review if inventory is not present, and, optionally, release outbound as each line is picked. Supports multiple order types; picking can be order-based or consolidated.

Material Allocation/Release.

Bypass the outbound process that drives stage material transactions and issue material directly against multiple order types.

Inventory Adjustments.

Separate user interfaces for write-on and write-off to avoid having to input negative quantities for write-off. Also record limited text.

Inventory Transfer.

Easily move material between locations within a warehouse, as well as between different warehouses/locations.

Cycle Counting.


Display a list of items/locations to be counted on the scanner, which is enhanced to store processed cycle count data into historical table and variance analysis reporting.

Physical Inventory.

Count by location by scanning relevant information instead of processing via a list of items in the cycle count order. Add lines to a cycle count order for items found in the bin, but not present in the ERP system. Preprint tags with bar codes, input data by tag number, assign tags and void tags.

Item/Location Inventory Inquiry.

Display inventory by item and item/warehouse, and inquire about stock by location.



Infor Bar Code enables companies to fully unleash the power of Infor ERP LN in all the areas where material moves in, out, or through the operation, and where manufacturing resources—be they machines or manpower—add value to the product being produced.

Shipping/Packing.

Release the outbound, print the packing slip, and generate and print the bill of lading in a single session.

SHOP FLOOR CONTROL

InforBarcode for ERP LN offers a number of automated solutions for managing a discrete order-based manufacturing environment:

Report Production Operation Completion.

- ▶ Records the completion of an operation on a scheduled routing. Includes options for tolerance checks on the quantity reported, as well as backflushing material and hours associated with that operation.
- ▶ Reports completions by shift.
- ▶ Makes standard inquiries to show production order history.
- ▶ Records rejected quantities with reason codes.
- ▶ (optional) Automatically reports the production order as completed if the last operation is completed, rather than completing the order in a separate transaction.

Report Production Order Completion.

- ▶ Has similar functionality to the operation level—performs tolerance checks, automatically creates lot numbers, and backflushes material and labor.
- ▶ (optional) Automatically generates inbounds using standard Infor ERP LN and putaway to a warehouse location.

- ▶ Cross docks to requirements based on the cross docking parameter table, and prints the necessary move ticket to route goods to the correct location.

Time/Labor Reporting.

InforBarcode for ERP LN provides users the ability to capture actual/elapsed times reported by individuals or teams against production orders, then post them against the order and onward to the financials—eliminating the need to use "Hours & Expenses" functionality in the "People" area of the ERP system.

SERVICE

Infor ERP LN service management capabilities provide for field service, as well as Return Material Authorization (RMA)/Depot repair operations. Infor transactions support all the required functionality for managing the internal RMA process, including the ability to:

- ▶ Report material consumed in the RMA process against a service work order.
- ▶ Report task and order completions throughout the RMA.
- ▶ life cycle.
- ▶ Report labor time spent on the repair process, and charge that time to the service work order.

SEE RESULTS NOW.

InforBarcode for ERP LN is easy to implement, low-cost, lowrisk, and, most importantly, easily adaptable to changing needs within warehouse and shop floor environments. It delivers economies and efficiencies to warehouse activities and shop floor operations, and supports lean as well as discrete manufacturing environments.

The InforBarcode solution architecture is unique in that it makes full use of, and is 100 percent compliant with, Infor Open Architecture, and does not alter the underlying Infor ERP LN business logic. As such, it allows companies to develop a standardized IT infrastructure using the lowest total cost of ownership components.

Enterprising companies across North America, Europe, and Asia Pacific have found that using InforBarcode for ERP LN to automate key material processes in their business opens up a whole wealth of possibilities for streamlining logistics and production areas, and reduces the time and cost associated with key processes.

THERE IS A BETTER WAY.

At Infor, we work with a core belief. We believe in the customer. We believe that the customer is seeking a better, more collaborative relationship with its business software provider. And a new breed of business software: created for evolution, not revolution. Software that's simple to buy, easy to deploy and convenient to manage. Our 70,000 customers in more than 100 countries stand with us. We look forward to your sharing in the results of our belief. There is a better way. For additional information, visit www.infor.com.

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The Infor logo consists of the word "INFOR" in a bold, sans-serif font. The letters "I", "N", "F", and "O" are black, while the letter "R" is red. A small trademark symbol (TM) is located to the upper right of the "R".