# Net at Work

# Sage X3
# Data Collection

Sage ERP X3 Data Collection is a robust automated data collection solution that communicates directly with Sage ERP X3 manufacturing, distribution, and accounting functions for the seamless and secure processing of a broad array of production and warehouse business transactions. It combines powerful software and data collection hardware with the strength of experienced implementation professionals to allow businesses to become more efficient, productive, and profitable.

Most ERP systems on the market do not inherently support automated data collection capabilities. Companies have discovered after their ERP system purchase that they need to pass data to and from third-party systems, assuming unnecessary integration expenses . . . even adding staff to maintain the various systems.

But the Sage integrated approach allows businesses to collect and utilize data end to end across their operational areas automatically. It takes data directly from automated input devices, verifies its accuracy, and passes the data to Sage ERP X3 for immediate update. It also manages the entire network of collection devices, including all user input prompts.

Armed with accurate data, companies have much better information on which to base business-critical decisions. More importantly, they are positioned to compete effectively in today's collaborative business environment with their customers, suppliers, and subcontractors.

## An Open, Secure Environment

Sage ERP X3 Data Collection is easy to install and delivers high performance, reliability, and security. The open system design provides maximum flexibility with the ability to accommodate almost any brand of ANSI-compatible data collection equipment.

## A Complete "One-Stop-Shop" Solution

Sage ERP X3 Data Collection provides users with the ability to enter data and scan bar-code labels using radio frequency (RF) devices, and create or add bar codes to any Sage ERP X3 document. It works with any ANSI-compatible device, from wireless handheld RF devices to fixed station devices such as badge scanners, barcode wands, keyboard wedges, and handheld tethered scanners.

Sage supports data collection equipment manufactured by leading hardware vendors, providing businesses with the ability to work with local trusted partners for their hardware needs while Sage provides the ERP and inventory management software, integrated data collection, bar-code label management, and full implementation services. The result is a completely integrated solution designed to provide companies with a rapid return on investment through greater accuracy, faster cycle times, and lower costs.

## Flexible Deployment

With Sage ERP X3 Data Collection, companies can implement the technology when and where it is needed most, moving into other operational areas at their own pace. Further, they can extend data entry capabilities from beyond back-office ERP users out to shop floor and warehouse personnel. Not only can these workers easily and accurately push information into Sage ERP X3, but they can also receive useful information back using the multitude of inquiries that are available within the system.

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## Supports Key Production and Warehouse Transactions

Sage ERP X3 Data Collection supports the following production and warehouse transactions:

Production

- Production Picking/Staging
- Material Issue
- Labor Reporting
- Production Reporting
- Unexpected Material Issue

Warehouse Material Movements

- Receiving
- Putaway
- Cycle Counting
- Warehouse Location Changes
- Miscellaneous Issues and Receipts
- Picking
- Location Replenishment
- Subcontract Transfer
- Intersite Transfer

## Benefits

With Sage ERP X3 Data Collection, companies can benefit from:

- Increased productivity through faster putaway and picking times
- Better visibility into work-in-process production orders and manufacturing costs
- Timely, accurate information from capturing information directly on the shop floor or warehouse without keying errors
- Improved quality control from verifying data before it is posted into Sage ERP X3
- Fewer shipping errors from immediate verification of products and quantities
- More accurate inventory counts resulting in lower carrying costs, fewer stockouts, and cost reductions from tracking down fewer inventory errors
- Reduced overhead by accommodating higher data volumes with fewer errors and less personnel
- Shorter learning curves for shop floor and warehouse personnel to learn and utilize the entry devices

Sage ERP X3 Data Collection is an ideal way for any business to earn a faster return on its total Sage ERP X3 investment and gain a competitive advantage in its market. The system can be further extended with Sage ERP X3 RF Warehousing, which adds more sophisticated functionality for your warehouse management operation (see RF Warehousing data sheet).

## Features and Functions

### Material Handling

Produces bar-coded receiving worksheet

Cycle count from bar-coded worksheet

Updates count quantities from data collection devices

Automated entry of location changes and miscellaneous receipts and issue

Updates pick quantities for shipping confirmation

### Production Control

Rapid entry and tracking of employee labor

Flexible production picking with support for overpicking mandated by packaging

Material issue with confirmation through virtual pick list

Ability to add/process unexpected materials

Automated entry of production material issues and putaway

Production reporting for partial and completed work orders

Production putaway based on Sage ERP X3 stock management rules

### Bar-Code Label Management

Library of bar codes for ease in selection

Prints labels on demand

### Architecture

Three-tier, Windows®-based architecture

Supports ANSI-compatible RF and fixed station devices

Client and technology are an integrated part of Sage ERP X3

Configurable to support various device and screen capabilities

Maintenance and administration performed using Sage ERP X3 administrator tools

Customizable using SAFE tools