



## Warehouse Automation and LabelXpert Designer

### Automated Warehouse Management That Makes Sense

The Warehouse Automation module for Sage MAS 500 ERP provides you with a wireless solution to streamline order picking and cycle counts for your warehouse personnel, instantly feeding information back to your Sage MAS 500 system with proper validation. Your data collection is more timely and more accurate when your warehouse employees are able to record their activities using these handheld devices.

The LabelXpert Designer module allows you to customize the label formats that are included with the Warehouse Automation module as well as create new label formats. LabelXpert Designer allows users to customize labels for every purpose; item tags, shelf tags, bin tags, carton tags, and more. LabelXpert Designer supports both laser and thermal label printers.

You can purchase the Warehouse Automation and LabelXpert Designer modules together or separately.

### BENEFITS

Wireless Data Collection

Extend Sage MAS 500 Warehouse Management and Inventory Management to Employees on the Warehouse Floor

Improve Picking, Packing, and Shipping Efficiencies

Real-Time Back Office Updates

Use Standard Bar Code Labels or Design and Print Your Own

Take Full Advantage of Security in Sage MAS 500

### SAGE MAS 500 SOLUTIONS

Financials and Project Accounting

Distribution and Manufacturing

CRM and E-business

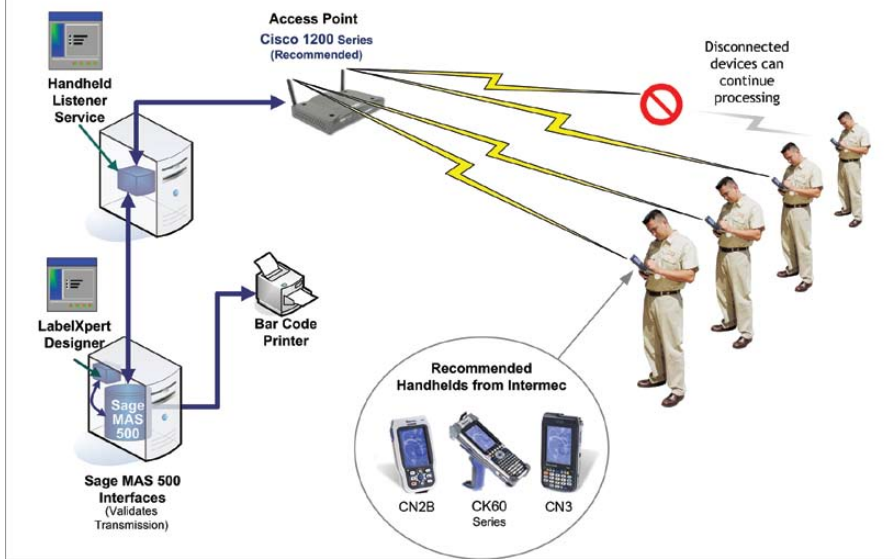
Human Resources and Payroll

Customization and Integration

Business Intelligence



## Sage MAS 500 ERP Warehouse Automation Network



◀ The Warehouse Automation network efficiently transfers information between Sage MAS 500 and wireless handheld devices in the warehouse to streamline picking, packing, shipping, and receiving.

## Handheld Devices

Use the system's handheld software on any Windows Mobile 2003, 2005, or CE .NET device with a wireless connection. The handheld software is written in Visual Basic .NET and is hardware independent by design so you can select the hardware that best meets your individualized business needs. Real-time activity is updated within Sage MAS 500 after each single transaction.

## Access Points

Access Points are the devices that receive the signals from handhelds. The quantity of access points required for optimum Wi-Fi coverage of a warehouse will depend on the size of the warehouse, the material content of the stock or its packaging, and other factors. A certified hardware vendor should perform a site survey.

## Handheld Details

### Intermec CN2B

The Intermec CN2B is small enough to fit in a shirt pocket, yet provide a rugged and reliable mobile data collection terminal for tough environments. With the ergonomic design, the CN2B allows for single handheld operation and the pocket-sized form factor makes it possible to go almost anywhere that requires data collection.



### Intermec CN3

The Intermec CN3 is designed to meet the needs of workers performing mission-critical tasks in logistics and field service. The CN3 mobile computer delivers a powerful combination of communications technologies in a compact, rugged package. Built to survive the rigors of the road, the CN3 meets rugged, standards-based environmental specifications and provides features that meet the needs of mobile workers. The CN3 has a touch screen display; 128 MB RAM and is available with an ultra-slim extended battery that delivers easy-to-carry, all-day power.



### Intermec CK60 Series

The Intermec CK60 Series provides a QVGA touch screen display, enabling it to run graphical interfaces and a large, easy-to-use keypad that allows one- and two-handed input of large data amounts. The CK60 Series is ideal for harsh warehouse environments with a magnesium top cover, rubber bumpers on the corners, and a case sealed against water and dust to IP64 standards.



## Simplify Receipts, Returns, and Transfers

Achieving effective warehouse management requires accuracy and an efficient automated process to stay competitive. Sage MAS 500 Warehouse Automation supports precision movement of goods from your vendors, to your customers, and between your warehouses. Warehouse Automation simplifies many processes through the use of handheld scanners that link to your integrated Sage MAS 500 ERP system. When goods arrive and you complete a PO Receipt on the handheld, an option can prompt you to print bar coded labels for the new items using a desktop or portable radio frequency (RF) belt printer. Receipts of goods can either use batch posting or simulated real-time posting, depending on the needs of your business.

Similar to the receipt process is the real-time ability to receive and monitor customer merchandise returns. Just match the RMA (Return Merchandise Authorization) numbers and you're on the move.

If your company has more than one warehouse, centralizing the availability of your inventory is a smart way to optimize cash flow and maximize purchasing power. Perform a simple three-step warehouse transfer process with the handheld and you can move materials to another location. Like receipts of goods, warehouse transfers can be batch posted or posted in real time.

The ability to quickly and easily record bin transfers is another key benefit of Warehouse Automation. This is where true warehouse management takes an automated form. Warehouse managers that understand the importance of efficiently separating stock into deep storage bins vs. forward-pick bins will appreciate how easy real-time posting is using handheld devices.

## Shorten Your Pick, Pack, and Ship Process

Handheld devices provide you with a fluid process to perform the picking task for one or several orders with the flexibility to pick by sales order number or shipment number to quickly fulfill urgent orders.

When the selected order appears on the handheld, the system displays all items that are to be picked—sequentially or one at a time—directing the picker to the appropriate bin for each item. Several flexible picking options are supported using handheld devices:

- **Pick by Pick List** – pick all items in the pick list, including multiple orders and multiple shipments.
- **Pick by Order** – for quickly processing urgent orders, you have the option to pick items for a single order and a single shipment.
- **Pick by Shipment** – if the shipment has already been generated in Sage MAS 500, you immediately have the option to pick items for multiple orders in a single shipment, and commit the shipment from the handheld.

At the end of your picking process, all completed pick items will be sorted according to common customer Ship-To Addresses, Shipment Dates, and Shipping Methods, simplifying the packing process using the handheld device. Pack up all your items into a single package, or select the next box indicator to break the shipment into multiple packages. You also gain the ability to divide the contents of one sales order line item into two or more packages.

E-mails are automatically sent to the back office once specific events are completed from the handheld, including completion of a pick list pick, sales order pick, shipment pick, and posting of a sales order. This ensures that key back office personnel involved within shipment workflow are informed so that subsequent action can be taken.

Warehouse managers can optionally require handheld personnel to scan items and enter the customer number when picking or packing an order. This allows rapid processing of rush orders for a single customer.

Shipping information flows directly to Sage MAS 500 and you can see it when you access the Edit Shipments task from the desktop. From there, you'll be able to view shipping transactions and send the appropriate Shipments to StarShip if desired.

## Make Inventory Reconciliation Really Work for You

Do you experience significant write-offs when you take your annual or semi-annual physical inventory? Most of the time, it's a mystery as to how many transactions contributed to these inaccuracies or when they occurred. Worst of all, by the time you find the discrepancies, it's too late to make adjustments to get your profitability goals back on track. You may have considered the technique of cycle counting to address this issue in a timelier manner, but the execution of manual cycle counting seems impractical due to the time it takes. Warehouse Automation for Sage MAS 500 enables you to get control of inventory reconciliation in a swift and accurate manner by supporting both your full physical count or cycle count events.

## Continue to Work During RF Disconnections

With Warehouse Automation, handheld processing continues during unintentional disconnections from radio frequency communication. If you walk out of RF range or if the RF network goes down, you can carry on your critical, time-sensitive warehouse activities. And, after reestablishing RF communication, simply run the Synchronizer that validates the handheld data and sends it to Sage MAS 500. Any data that fails validation goes to a separate table that can be viewed from the desktop, edited, and re-sent to the appropriate tables within Sage MAS 500. You can even take advantage of planned disconnected processing by running the Synchronizer in advance of performing activities out of RF range, such as taking a physical count at non-RF-enabled warehouses or stockyards. After the disconnected activities are complete, simply run the Synchronizer again to complete the process.



## Print Custom Bar Code Labels

When goods arrive and you complete a Purchase Order Receipt on the handheld, an option can prompt you to print bar coded labels for the new items using a desktop or portable radio frequency (RF) belt printer.

While basic label formats are included with Warehouse Automation, the LabelXpert Designer module allows you to customize them to better match your way of doing business, plus create completely new label templates. LabelXpert Designer also helps you to comply with your customers who may have unique labeling requirements.

If purchased without Warehouse Automation, the LabelXpert Designer module provides you with label printing capabilities from a single workstation, with the option to purchase licenses for additional printing workstations, if necessary. This is a simple, economical way to fulfill basic packaging or retail bar coding requirements of your customers.

When you purchase the LabelXpert Designer along with the Warehouse Automation module, you can perform bar code label printing from all Sage MAS 500 workstations or Warehouse Automation handhelds at no additional charge.

*"We started with the core accounting and distribution modules and then, as our business grew and changed, we added eCommerce, warehouse automation, and manufacturing capabilities.*

*Sage MAS 500 is responsible for a huge improvement in our operations. It's a dynamic and flexible product and we continually find new ways to put it to work for us!"*

— Sean Schrader,  
General Manager of Parts, Purchasing, and IT  
Mastry Engine Center



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