WISYS

Real-time Warehouse Management at the
first touch point in your organization

wisys.com

ABOUT

WiSys helps companies using Macola Software achieve real-time business transactions through their internal distribution and manufacturing systems.

At WiSys we have re-invented how ERP systems create value for Macola customers. To meet the business challenges of a new economy, companies need to focus on reducing reaction time in order to maintain customer loyalties and improve supply chain operations; from receiving through production to product delivery.

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Warehouse Management

WiSys Warehouse Management (WMS) is the key component of WiSys Supply Chain Management System (SCM). The primary focus of WMS is to control the movement, storage and accounting of materials and finished goods through the warehouse including cycle counting, receiving, put-away, picking and shipping. WiSys WMS is based on the concept of real-time material management and is built on the Agility Adaptable Framework.

Benefits Include:

- Shortening Order Turnaround Times
- Higher Inventory Accuracy
- Increased Order-Fill Rates
- Improved Shipment Accuracy
- Bin Management

- Inventory Reductions
- Fewer Data Entry Errors
- Lot Tracking Compliance
- Integrated Transactional Label & Document Printing

Pallet Management

WiSys Pallet Management provides a very robust solution for building, stocking, counting, shipping and recording the movement of pallets. WiSys Pallet Management relies on a tier of business logic built on the Agility Adaptable Framework that is designed to add a new data structure to Macola for packaging.

With WiSys Pallet Management you can build a pallet on-the-fly, as part of PO Receiving or during the fulfillment of your manufacturing production process with our Macola Manufacturing Execution solution. When you build a pallet, a unique Pallet License Plate number is generated, which allows you to record the movement of the pallet within your warehouse by simply scanning the pallet ID using a mobile data collection device. When it comes to Order Fulfillment, you can perform a pallet letdown process to replenish your picking bins or you can scan a full pallet to add it to a shipment as part of our Advanced Packing and Shipping (APS) solution.

Agility Pallet Management Transactions for the hand-held:

Pallet Features
- Inventory
- Receiving
- Transfer
- Letdown
- Destruction
- View

- Build
- Consolidation
- Manufacturing
- Cycle and Physical Counting
- Pallet View and Drill Downs

Various
- Material Issue
- Material Return
- Pallet Put Away
- Reporting Finished Goods
- Load Pallets for Shipping
- Pallet Label Printing (LPNs)

Manufacturing Execution

WiSys has flexible Manufacturing applications that allow the reporting of material and production to a mobile device or a desktop work center, for either the Macola POP module or Shop Floor Control production system. This enables real-time data for both material and production status, resulting in better management of the production process.

POP Work Center Reporting

WiSys POP Manufacturing Execution allows you to identify Bill of Material components as material that should be issued to a POP order instead of simply back-flushed. POP production of Finished Goods can also be recorded using a mobile data collection device or on a workstation including reporting production of complete pallets.

Shop Floor Work Center Reporting

WiSys Shop Floor Work Center Reporting (SFWCR) is a robust solution that makes Shop Floor data collection easy, including clock in and clock out labor collection by job. You can issue and return raw materials to a Shop order as well as report production using either a mobile data collection device or on a workstation. You can again issue entire pallets easily to an order and report completed pallets of finished goods.

Real-time Data Collection benefits:

- Up-to-Date Job and Labor Information for SF
- Reliable Job Status
- Accurate Manufacturing Cost Information
- Focus on Work, Not Data Entry
- Integrated Label Printing

Shipping is *Simple*

Shipping can be one of the most demanding processes in your operation. This is where your customer creates unique requirements on your organization to be flexible to meet the highest standards of customer service. WiSys Shipping Logistics solutions are designed to allow you to tailor a solution to meet your most complex shipping processes.

WiSys offers a simple shipping process as part of WiSys Warehouse Management (WMS). It is a simplified data entry form operating on a mobile data collection device and efficiently processes and confirm ships your orders.

Alternately, WiSys Advanced Packing and Shipping (APS) creates a new data structure for packaging allowing you to define the type of packaging in use as well as the processes to fill them. You can then tailor your packing processes on a mobile data collection device to pack in the aisle or the shipping dock or on a workstation to pack at a work center.

WiSys APS integrates directly with UPS, FedEx, and USPS and will print any type of documentation required by your drivers including a Bill of Lading or a Packing List. WiSys APS also provides seamless integration with EDI.

Featuring:

- Pack and Ship
- Data Masons EDI Integration
- Integration with Pallet Management
- Parcel Package Integration
- Document Printing
- Package Definition

Agility Adaptable Framework

WiSys products are designed on an Adaptable Framework called Agility. WiSys understands that every business process is unique and so the Agility Adaptable Framework allows you to build your own company-specific workflows without modifying a single line of source code. The results are **"Purpose-Built"** solutions for your organization. There are 2 design tools to facilitate application creation.
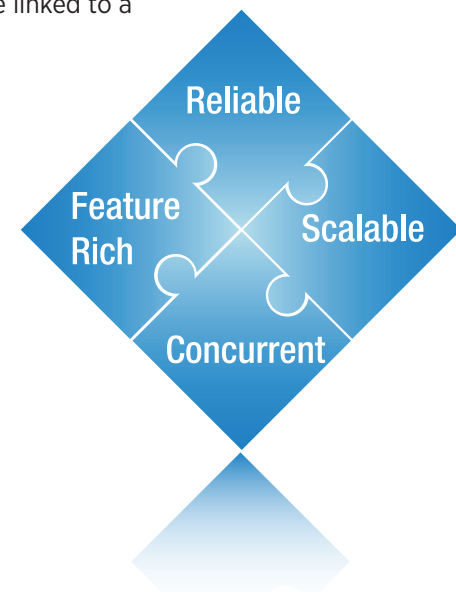
Design Studio

This tool is both a Business Intelligence (BI) presentation platform for analysis as well as a toolset to create new robust BI views and ERP Transaction execution components for the desktop. For example, an analysis of material requirements can be linked to a transaction and Purchase Orders can then be created with material grouped on the same PO by vendor.

Components include:

- Dashboard
- Grid Style Computing
- Pivot Table
- Graph
- Calendar
- Crystal Report
- Gauge
- Transaction Process Grid
- Transaction Form

Reliable

Feature Rich

Scalable

Concurrent

Form Studio

This is a visual design tool for modifying existing or creating new forms for the mobile data collection device. Out of the box, WiSys deploys standard forms for the mobile data collection device. If these forms do not meet your business processes then Form Studio may be used to modify these forms. This enables users to perform transactions such as PO receiving, Put Away, Shipping, Material issues and Production reporting, to name only a few.

Developer SDK

The Developer SDK is a set of .Net Objects that comprise the transactional components of Macola. These Objects are transparent to the Macola versions of Macola ES and Progression, therefore an application developed using the SDK can be used with either version of Macola. The primary focus of the Object Library is Macola Distribution and Manufacturing including Production Order Processing and Shop Floor Control. Inventory Bin and Serial/Lot layer support is included.

IM/BOM	OE	PO	POP	SFC
ADD ITEMS	ORDER CREATE	ORDER CREATE	ORDER CREATE	ORDER CREATE
ISSUES	POP PULL	ORDER RELEASE	ORDER RELEASE	MATERIAL ISSUE
RECEIPTS	SF PULL	PRINT ORDER	MATERIAL ISSUE	MATERIAL RETURN
TRANSFERS	CAPTURED BILLS	RECEIVE ORDER	MATERIAL RETURN	REPORT OPERATIONS
ADD BOM	CUSTOMER CREATE	RECEIVING INSPECTION	REPORT FG	REPORT FG
	PICK/SHIP/BILL	SF OUTSIDE PROCESSING	ITEM SUBSTITUTION	SCRAP
	INVOICING		PRODUCTION BACKFILL	REJECT

BINS, SERIAL and LOT NUMBERS

AVERAGE COST, STANDARD COST and LAST COST

MACOLA ES and MACOLA PRORESSION

As a developer tool they also meet the basic requirements of developing the building block transactions for any ERP system such as:

- Speed, since in many cases applications are being developed to process thousands of transactions a day
- Logically secure so that business rules are enforced to prohibit bad transactions from being created in a Macola database
- Transaction secure so that any transaction partially completed and being disrupted does not leave a partial transaction in Macola
- Multi user so that locking controls utilized by Macola are also supported allowing both to co-exist in large Macola implementations
- High degree of quality assurance which is done through a large library of automated tests that run every time a new update is released

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