

# MSC Solutions For Supply Chain Execution



MSC Supply Chain Execution Solutions help distributors and manufacturers streamline supply chain operations, cut costs and improve customer service.

## The foundation for effective operations

As distributors and manufacturers look for ways to cut costs, streamline operations and improve customer service, ensuring inventory moves smoothly through the supply chain and labor and material consumption is accurately tracked and reported is of paramount importance. These organizations need to:

- Ensure customer orders are filled accurately and shipped on time
- Maximize warehouse worker productivity to minimize overhead
- Streamline inventory movement to speed order processing and cut costs
- Meet the unique packaging and labeling requirements of key customers
- Collect material movement on the shop floor as well as through the supply chain

## Preserve your business software investment

MSC provides advanced inventory and data collection solutions that can integrate easily to many existing ERP systems to extend capabilities and allow you to preserve your business software investment.

### Streamlined inventory tracking for all types of businesses

*MSC supply chain execution solutions help distributors and manufacturers with a diverse set of requirements.*

**Complex industries** such as consumer packaged goods often have complex needs such as unique labeling, inventory handling and shipping requirements.

**Regulated industries** including automotive, medical and those that handle hazardous materials need systems that enable compliance.

**Distributors to large retailers** must meet the unique and stringent material handling and labeling requirements of their customers in order to be considered a preferred supplier.

**Global distributors** need systems that help them create the necessary paperwork and ensure nothing is missed.

**Small and mid-sized organizations** often need to extend the capabilities of their existing ERP system.

### Advanced Supply Chain Execution Solutions

*MSC provides a range of solutions designed to meet the needs of distributors and manufacturers who need to extend the capabilities of their current business applications.*

**Warehouse Management** gives distributors and manufacturers the tools they need to streamline warehouse operations, increase productivity and meet the requirements of their most demanding customers.

**Shop Floor Data Collection** adds mobile, barcode based data collection to existing ERP systems for manufacturers and distributors that want to accurately capture labor and material movement from the shop floor or warehouse in real-time.

**Shipping Systems** significantly reduce manual effort in preparing shipping documentation including export and hazmat documentation.

**Barcode Products and Services** provide all of the software, services and hardware you require for a complete solution.



Worker Productivity is improved with MSC COLLECT WMS and Shop Floor Data Collection by providing **concurrent multilanguage support** that allows each user to choose the language with which they are most comfortable.

### MSC COLLECT® Warehouse Management

*Improve warehouse productivity and streamline supply chain operations.*

The warehouse is the hub of the supply chain for many distribution and manufacturing organizations. Ensuring that operations are running smoothly can help the organization control costs, improve customer service and win new business opportunities. MSC COLLECT WMS can help organizations:

**Cut costs** by optimizing picking processes so that wasted movement is eliminated.

**Speed shipments** by ensuring that inventory is available where and when needed and reducing the amount of time needed to fill orders.

**Improve order accuracy** with picking and packing processes that reduce the potential for error.

**Reduce overhead** by eliminating unnecessary and redundant transactions.

**Develop new business** by meeting the complex labeling and packing requirements of large retailers.

**Reduce waste** by labeling inventory properly and ensuring that it is stored in the appropriate locations and properly rotated.

**Meet regulatory requirements** with proper labeling, storage and shipping documentation.

Some of the advanced warehouse management functions found in MSC COLLECT include:

- Location Management
- Putaway Logic
- Sophisticated Allocations
- License Plate Support
- Warehouse Zones
- GS1-128 Support
- Load Planning
- Pre-load Planning with Planned Load Paperwork
- Inter-warehouse Material Transfer
- Order Pick, Pack, Ship
- Multiple Languages Supported



### MSC COLLECT® Shop Floor Data Collection

*Capture time, labor and inventory movement.*

Manufacturers and distributors who perform assembly work often have the need to capture data such as time and attendance, direct and indirect labor entry, material movement and serial/lot data information from the shop floor.

Accurate and timely data collection helps them:

**Increase inventory accuracy** by capturing inventory usage in real time.

**Streamline inventory movement** and ensure that material is available where and when needed.

**Collect indirect labor** for more accurate costing.

**Enhance customer service** with real-time access to accurate stock levels.

**Improve productivity** by eliminating many manual inventory and labor reporting transactions.

Shop Floor Data Collection functions include:

- Time & Attendance
- Labor Collection
- Inventory Move, Adjust, Status
- Cycle & Physical Count
- Work Order Issues and Receipts
- Purchase Order Receiving
- Shipments Processing
- Shipping Paperwork
- Shipping Labels Printing
- RMA Receiving
- Multiple Languages Supported

### MSC Shipping Systems

Designed to work with COLLECT WMS or as an add-on to an existing ERP implementation, MSC Shipping Systems streamline the task of shipping product to customers. This helps distributors and manufacturers:

**Improve customer service** by getting products out the door faster and ensuring order accuracy.

**Speed cash flow** especially when invoicing based on actual shipments.

**Develop business opportunities** by handling the shipping requirements for overseas customers and big retail.



**Decrease overhead** by eliminating many of the manual tasks associated with preparing shipping documentation.

**Reduce errors** by automating the creation of shipping documents with information already contained in the organization's business systems.

Advanced Shipping Systems provides support for:

- Rules based shipment processing
- Simple shipment processing
- Pick to Container
- Wave Pick
- LTL Pick
- Shipping documentation including:
  - Packing lists
  - Bills of lading and manifests
  - NAFTA Certificate of Origin
  - Proforma / Commercial Invoice for customs clearance
  - US Shippers Export Declaration
  - Shipper Letter of Instruction
  - IMO Dangerous Goods Declaration







### **Collaborative resolution to your toughest challenges**

*MSC works with you and your existing service providers to create a solution designed to meet your needs.*

In addition to software applications, we provide a number of additional services to support you and your team:

**Project Management** - We can help you meet budgets, deliverables and expectations by providing full-service project management or oversight support for any project we're involved in.

**Customization and Enhancement** - We know your business is unique, and with it comes unique functional requirements. We are experts at customizing our software to ensure it fits your business requirements.

**Process Improvement Support** – We can advance your lean, six sigma and other process improvement initiatives by reviewing your operational practices to fully optimize both your physical and your human resources while implementing systems that support your business objectives.

**Implementation and Training** - We'll get your new software installed and configured on your local hardware, and then we'll train you on all the elements of the system so your people and systems are operational as quickly as possible.

**After Sale Support** – Our after sale support services are available to help you 24X7 to ensure that your teams stay productive and focused on your business.

### **MSC Barcode Products and Services**

MSC partners with the leaders in bar coding and RFID technology to provide a complete solution for your business. In most cases, we can support your existing hardware or assist you in selecting new hardware that supports your business goals.