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Comprehensive Life Cycle Services™ helps power the productivity of distribution & manufacturing operations—whether new or established

Where are you now? Where can you be in five years? How best to anticipate your needs?

Material handling is about productivity. It's used in the movement, storage and control of materials, product, and inventory throughout manufacturing and distribution. Our suite of Life Cycle Services™ helps you identify where you are, where you're headed, and how to most efficiently make the journey.



What is the Life Cycle?

Every business runs in a life cycle, from conception to completion to operational. We have designed services to match you, no matter where you are in that cycle—to have answers for you no matter what needs you are currently experiencing. Are you planning a new facility? Does your current operation underperform? Is there new business, or a large change in your market that requires rapid transformation of your facility? Details on life cycle services are found in the following pages.

The Cisco-Eagle suite of Life Cycle Services includes:

Consulting, process definition and design

A unique blend of consulting and implementation makes the difference.

Application engineering, controls and design services

Cisco-Eagle's industry-leading Systems & Design team has vast experience across many industries. We design systems and equipment that drive efficiency up and costs down for our customers.

Equipment and service sales (See products in this catalog and online)

Our sales force are highly-trained, problem-solving material handling experts, backed by decades of experience. They help clients get it right the first time, every time.

Implementation engineering, controls, and integration

Our project management and installation services ensure that your system is correctly implemented, installed, tested, and commissioned.

Service and maintenance

Material handling equipment should perform at peak levels, and we help it do exactly that. Utilize our expert technicians to reduce downtime, increase reliability, and save money on service issues for conveyors, lifts and much more.



Every time you touch an item, it costs. When you search for something, it costs. If you're late, wrong, or inaccurate, you pay

Let us help you eliminate costs with material handling systems that increase efficiency and reduce errors



Material handling systems give you more control, save you money, and contribute directly to your bottom line

Everyone wants more control. The more control you have, the better you perform. Material handling systems give you control.

Distribution, manufacturing, and warehousing are inherently chaotic processes. To do these things well, you need control of processes, of equipment, of personnel, of space, of time. When do things get done? How many people does it take to do them?

Do your handling systems increase control—or hinder it?

Material handling systems power today's efficient distribution and manufacturing facilities; they are the secret weapon of profitable companies. You have to minimize operational expenses, maximize productivity, enhance customer service, and speed throughput.

If you suffer from inaccurate order picking or stocking, your business is threatened. A small margin of error costs a bundle. If that's happening, you've lost control. We can help you regain it.

Profit that doesn't filter through cost centers

A company with 5% bottom-line margins that grosses \$100 million a year nets \$5 million. When that company saves \$200,000 by becoming more efficient, it's the same as adding sales of \$4 million—the benefit is easy to see. By gaining control of your storage and handling operations, you can create more profitable operations.

Savings that fall directly to your bottom line

If your business relies heavily on manufacturing, warehousing, storage or distribution, the potential savings are perhaps your greatest opportunity to increase profitability.

If your operations suffer from damaged products, slow pick rates, a lack of space, disorganization, or bottlenecks, don't think throwing more people at it will solve the problem—that's short-term at best, and you'll be stuck with ongoing costs that never decrease and that you can't control.





Cisco-Eagle's installers, project managers, site coordinators and engineers produce detailed plans and well-oiled execution. They keep the lines of communications wide open so you're never in the dark. They transform ideas into reality. Project managers provide clear communications, accurate information, effective scheduling, and synchronization of all the varied elements that comprise your system.

We provide the comprehensive turnkey solutions you need to move ahead. These projects can be complex and difficult to implement, but they don't have to be. You have only one entity responsible for the project and all its myriad details: us.

Tangible Results

What customers are saying...

"We're able to measure the productivity of our warehouse, which we'd never been able to do before. It helps us plan labor better. We can get our staff in the right place at the right time in the right numbers. We can plan a day's work better than we've ever been able to."

— JA Majors Vice President of Distribution

"We've been able to ship 440 totes in an hour, with no increase in the number of people in shipping. We were doing 1,750 shipments in January. This month (September), we've done 2,250 so far, at the same staff level and the same amount of hours worked."

— Mouser Electronics Operations Director

"We're handling volumes 60% higher than we did last year without a significant increase in personnel. Even though we're doing more, it feels less intense because of the way the new system flows."

— The Container Store Distribution Director



"At the old facility, we did 900 shipments a day. Now, we're doing 1,500 a day."

— Aviall Senior Manager

"We designed everything into these systems that a customer would want from us. Capacity has doubled what we were able to do before and now it is organized. Every box has its own address."

— Cargill General Manager

"It is a real wow for us to bring our suppliers in here. We have a nice look to our facility, and the new systems give us such a natural flow. And the conveyor is super reliable."

— Mouser Inc. Director of Operations

• **FOR MORE:** Visit www.cisco-eagle.com/casestudies

How can you effectively manage your project?

Cisco-Eagle helps customers design, justify, and install effective, efficient material handling systems that give you control. The productivity gains can be astonishing.

We offer multiple ways to improve your operations. From consulting and process analysis services to systems design, controls and implementation engineering, to installation to maintenance, we're involved at every twist and turn to ensure your operations reach their maximum potential.

A servant's heart, an analytical mind. The right people are what makes it happen. You can access a Systems & Design staff that is highly trained, vastly experienced, and driven to help you succeed. You'll find a responsive, problem-solving mindset that can take you to the next level.

Blending equipment, technology and the way work flows in your facility is the heart of our mission.

Making it Real: From Paper and Screen to Concrete and Steel

Understanding isn't enough. Superb design isn't enough. Handling complex details isn't enough. Implementation is what makes and breaks projects.



Cisco-Eagle systems integration capabilities at a glance

There is profit to be made increasing efficiency inside your operation, and we can help you get it

Cisco-Eagle has cultivated one of the most advanced Material Handling Systems Integration groups in the nation. We offer a combination of personnel, processes and training that help our customers get the results they need. With clients across the United States and Internationally, the experience in a vast array of industries helps us deliver true value to our systems clients

Point by point:

- Total System Solution
- Sub-System Integration
- Project Management
- Attention to Detail
- Single Point of Responsibility
- Technology: Fully automated computer systems and wide-area networks, with software packages including project software, AutoCAD, 3D Studio Max, and more
- Specialists in consulting, controls, integration, project management, installation, testing and commissioning

Systems Processes

Consulting Services

- Operations Assessment
- Strategic Planning
- Capacity Analysis
- Process Reengineering
- Facility Design

Systems Engineering

- Detailed System Design
- Sub-System Design & Integration
- Vendor Selection
- System Pricing
- Implementation Plan

Implementation Services

- System Installation
- Software & Controls
- Acceptance Testing
- Management & User Training
- Project Management
- Facility Transition Planning
- Product Slotting
- Start-up Support

Post Implementation

- Maintenance Program
- System Upgrades



Cisco-Eagle Controls Technology Group makes your system more efficient

Precise control of your material handling systems

You're expected to implement improvements in less time and lower cost than ever. Implementations that used to take months now take weeks—or less. The result is faster return on investment.

We integrate material handling systems, automation system technologies, and OEM equipment to meet client needs—everything from small conveyor systems to highly automated storage & retrieval systems. We help customers gain complete control of, and visibility into material handling systems. Reliable, modular control options are available off-the-shelf that require minimal configuration. In the future, most systems will be controlled in this way—but you can enjoy these advantages today.

Pre-engineered and custom advanced technology control systems save time and money, increase efficiency

- Hardware cost reduction
- Design time and design cost reductions
- Faster installation time, and implementation costs
- Troubleshooting is dramatically reduced
- Multiple network configurations
- Manage your process information in real time
- Enhanced diagnostic capabilities
- Excellent flexibility for expansion or changing requirements

Turnkey Controls Experience: Our Controls Technology Group provides a complete range of services required for your material handling controls projects. Successful material handling system implementations require integrating a wide variety of technologies that work in harmony to achieve high productivity levels.

Open Architecture: We utilize open, non-proprietary programs and components. This provides our customers with reliable standards which minimizes the initial investment, maximizes uptime, and allows the flexibility for upgrades and support.



Non-Proprietary Equipment: We help you take advantage of reliable, cost-effective, commercially available components and programming architectures.

Remote Diagnostics: Remotely monitor your key system performance parameters to ensure operational excellence. Our systems support remote connections via dial up modems or internet connections, and can operate within your network security environment.

PC/PLC Based Systems: Utilize PC and PLC based control systems as needed. Our system architecture use of standard logic result in highly reliable solutions, quick implementations, and within budget.

WMS and ERP Integration: Systems are interfaced within a wide variety of WMS and ERP systems across many industries. Standard interface protocols efficiently pass data between our controls environment and the host system.

Design Flexibility, Scalability: Modular design components and architectures make expansions & reconfigurations quick and easy.

Human Machine Interface (HMI): Real time, easy-to-use, graphical interfaces between material handling equipment and control systems that allow operators to easily monitor the system's operation. HMI can offer a visual map of the facility, including all operations, in order to track, diagnose, and deal with problems either before they arise or at the point of malfunction.

Support

We offer multiple levels of system support, including Modem/VPN access, Web-Based Video Monitoring, Cellular/PDA Alerts, Scheduled and Preventative Maintenance, Support

Contracts/Services, Spare Parts, Modifications, Upgrades, Consulting, and System training, documentation, programs and system-specific manuals.

Broad Industry Experience

We have experience across a wide array of industries and applications. Noteworthy applications include conveyor systems, high speed sortation, packaging equipment, automated storage and retrieval, carousels, weighing/cubing systems, manifesting systems, printing & labeling systems, RFID integration, RF systems, palletizers, robotics, and AGVs.

Get started

Contact us today for more information on controls technology, or visit www.cisco-eagle.com/controls

Does it make sense for small to mid-sized operations to implement a warehouse management system?

It's all about collaboration, coordination and gaining control

Achieving Synchronized Supply Chain Logistics

The rules of business have changed dramatically, increasing the speed and complexity of almost every business transaction and its supporting processes. Synchronized logistics takes this new level of complexity and executes based upon a real-time understanding of conditions, constraints and priorities across the entire network.

Next-generation business applications will allow users to achieve collaborative and coordinated execution over their order fulfillment and delivery processes—and achieve extraordinary business results.

Collaboration

Collaboration is the comprehensive linkage of supply chain logistics' order fulfillment stakeholders systems and personnel. Being integrated is not the same as collaboration. In order to sync up your enterprise with that of your trading partners, a true publish and subscribe messaging architecture that is based upon open standards must be supported.

Coordination

Coordination is achieved by providing comprehensive visibility over the entire logistics network, while controlling the order fulfillment execution based upon visibility into real-time conditions and constraints. A fine-tuned logistics network relies on timing and the coordination of multiple processes into a singular synchronized effort.

Control

Control must be event driven to take advantage of the new collaboration and coordination technologies. Logistics execution must be based upon a continuous closed loop process of plan, execute, monitor and adjust, thereby supporting the multiple exceptions caused by today's dynamic trading rules, relationships and unplanned events.

Conventional wisdom says that WMS is too expensive; return-on-investment takes too long for smaller and medium sized companies; it's too complex; too expensive; too difficult. If you listen to

the conventional wisdom, you might believe that the technological edge WMS offers is strictly for huge companies. There's just one thing: conventional wisdom isn't always right. In recent years, the technology, like many other technologies, has improved and become more affordable. It scales to small and medium sized companies much easier than it ever has before.

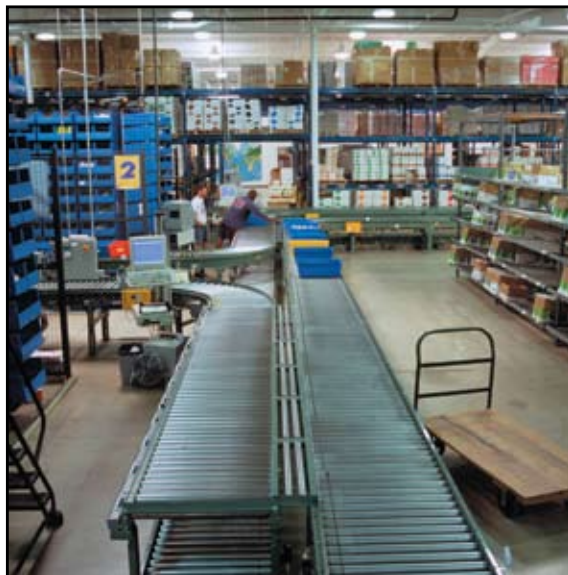
Fortune 500 companies and smaller operations have the same WMS objectives: inventory control, cycle time reduction, order accuracy, labor productivity, and real time information on performance.

Is a warehouse management system a viable option for you? Make the call based on the facts. In WMS, your options include Locator Systems, Transaction Processors, Inventory Control Systems, Warehouse Management Systems, and ERP Systems. Your first hurdle in determining if WMS is right for your company is one of economics: you have to consider your ROI, the competitive advantages a system might give you, its contributions to your long term profitability, pressures from within your industry, and customer compliance.

For small and medium sized companies, answers to these questions are not as difficult to answer as you might think. We're here to support your long-term supply chain efforts.

Getting started is easy

We can help you understand, qualify, and specify automation applications and solutions. For more information, contact us today.



Automated carousel systems for high-speed, space saving productivity

Vertical Carousels consist of rotating shelves that move up or down on response to your commands, delivering items to you at an ergonomically safe and convenient access window

Vertical carousels are proven in high-productivity applications designed to reduce costs, labor space, and time consumption in a wide range of industries. Compared to shelves, drawers and other conventional storage methods, Vertical Carousels offer significant gains in efficiency, control of inventory, and floor space economy. Vertical carousels concentrate a great deal of storage into a relatively small amount of space.

Vertical carousel features

- Productivity: Higher throughput with lower error rates, search, and travel times
- Time Savings: Dramatically increased storage and retrieval efficiency saves labor and gives you more picks per hour
- Space Savings: Small footprint recovers floor space for profitable uses and maximizes use of available overhead space
- Return-On-Investment: Superior inventory management software combines with productivity savings for quick system payback
- Security: Reduced shrinkage through limited access to items; security carriers, access codes, and software password protection all help you keep things secure
- Used to store dies, tools, fixtures, raw materials, work in process, maintenance parts, assembly components and more
- Applications include tool & stockrooms, parts distribution, die storage, buffer storage, point-of-use workstations, inventory consolidation, order picking, automated tool & component dispensing, automated tool cabinet



Horizontal carousels are cost effective, high-density storage & retrieval systems for manufacturing, warehousing, service, and distribution applications



Horizontal carousels increase productivity by delivering product to pickers instead of pickers walking to product. They are outstanding solutions for broken case (piece) picking, highly selective case picking, buffer storage, distribution, kitting, and progressive assembly.

Carousels increase throughput up to 600%. Items are rapidly delivered to operators. Horizontal carousels significantly reduce cubic storage space requirements 40% to 60%, freeing up your valuable floor space and making the best possible utilization of the cube. They also improve accuracy, up to 99.99%. Pick-to-light systems indicate what and how many items to pick.

Carousels help you reduce labor requirements, extend order cut-off times, and reduce your needed inventory by providing better management. They

also help prevent inventory shrinkage by increasing operator accountability and helping to enhance supervision, since pickers work in visible work areas. They're reliable, too, with a history of nearly 100% uptime. Rugged construction, expert application assistance, and precise design ensure that they need little maintenance.

Horizontal carousel applications

- Tool & stockrooms, Parts distribution, Die storage, Cutter grind, Buffer storage, WIP (work in process), Point-of-use workstations, Mixed layer pallet building, Consolidating multiple areas, Automating existing tool cabinets, Spare parts picking, Order picking to manufacturing floor

Switch operated vertical carousels provide high-density storage, security, and picking productivity without the high costs of automation

Delivers the product to the picker - that's the core value of a carousel - at as little as 1/5 the cost

A manually operated carousel offers identical benefits to automated carousels in terms of space savings, product security, and organization, at a greatly reduced cost. Just a simple push button control allows the order picker to access the correct carousel tray. This helps to dramatically cut costs by eliminating automation software and WMS tie-in's. These carousels are CSA & UL listed, and come in a variety of heights and widths. With the motorized chain-driven system, parts come to the order pickers, saving walk time and reducing fatigue. Carousels are CSA and UL listed. These carousels are often used in retail operations, but are perfectly suited for manufacturing, distribution, and commercial operations that want the advantages of carousels, but don't need fully automated systems, software, and controls.

The Pushbutton Control: Brilliantly Simple

A brilliantly simple push button control allows the order picker to access the correct carousel tray when it's needed. This helps to dramatically cut costs by eliminating automation software and WMS tie-in's.

Tray Carousel Systems

The rotating tray configuration of conventional vertical carousels provides easy access to a wide variety of stored products. Most anything that could be picked from an automated carousel can be picked from a manually controlled tray system. Helps eliminate forklifts and ladders from picking operations – instead of space-eating rack systems and dangerous pick systems, implement a carousel that allows you to recoup space, pick orders faster, and control inventory better.



Tray carousel

Wire & Spool Systems

Organize your wire, cable and other spooled products with Wire & Spool Vertical Carousels. It brings the roll to operators with a motorized carousel, rather than operators walking. The innovative switch-controlled carousel rotates easily and smoothly, without the need for expensive software automation or WMS tie-in's. Perfect for accessing rolls of wire, cable, etc. in assembly or repair operations. Measure and cut right from the machine for faster, safer operations.



Roll Handling Carousel

Tire Handling Carousels

Tire Handling Vertical Carousels slot many tires into the vertical cube, instantly reclaiming floor space. Tires are easily located - no more hunting for tires in a vast pile. Just rotate the carousel to the storage level needed and pick tires. Tight, vertical storage recoups floor space that can be used for profitable purposes. Also, since tires are organized into the carousel, error rates decline and it's more ergonomic for workers.



Wire dispensing carousel



Tire Handling Carousel

Roll Handling Carousels

Store and retrieve rolled goods and textiles for easy accessibility and integration with a cutting table, cutting machine or vinyl printer. Minimize individual roll handling and bring efficiency to your production area. Imagine the number of rolls that can be handled in the vertical cube vs. a series of roll dispensers on a facility floor.

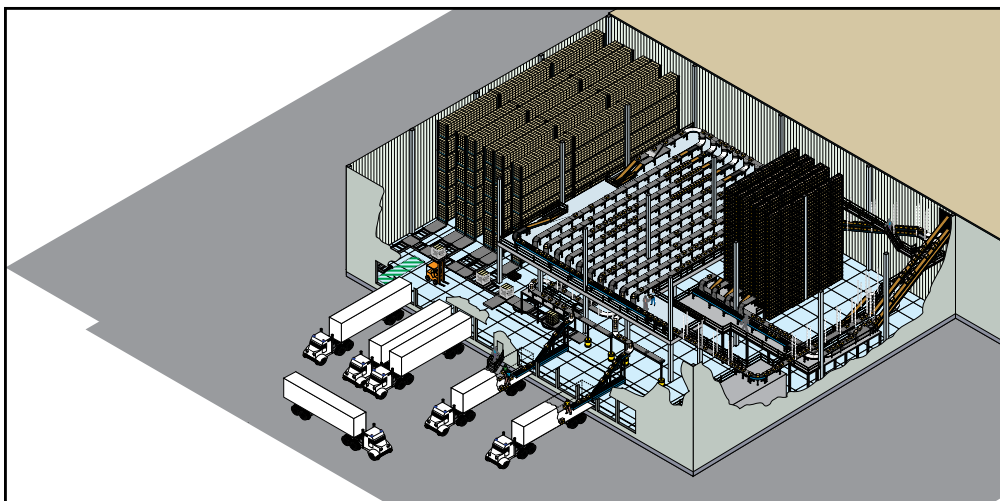
Cylinder Handling Carousels

Print Cylinder Vertical Carousels protect and organize valuable print cylinders while reducing space needs in any facility. Besides saving space and reducing errors, carousels also allow for more productivity. Workers can store and retrieve the right cylinder easily - and much faster than before. Stores shafts and cylinders of various kinds and sizes up to 12,000 pounds. Each system is equipped with heavy duty nylon slings and can be loaded by one person.



Cylinder Handling System

AS/RS systems transport, stage, retrieve, and report on every inventory item with up-to-the minute accuracy for exacting control and accuracy



Unit Load systems

Unit load is the material handling term for any configuration of materials that allow it to be moved by material handling equipment as a single unit. Typically, this means pallet loads, but can apply to containerized loads. Space savings vs. manual storage can also be significant. The footprint of the system vs. that of a comparable manual system can result in significant savings in floor space. Use of the vertical cube is also a factor.



Mini-Load Systems



A Mini load automatic storage & retrieval system handles loads that are typically contained in small containers or totes, with load weights typically falling in a range of 100 to 500 pounds. The capacity range can go to 750 to 1000 pounds on the high end. A mini load system can let you store more material in less space, especially material in totes. It can also handle these totes with much more velocity than conventional static, manual methods. Despite that speed, Mini load systems tend to run quieter than other methods.



ASRS Modernizations

AS/RS Modernizations are a cost-effective way to continue to use older Automated Systems, but to revitalize them and create new efficiencies without the cost of a new system. Whether it's poor reliability, low rates of capacity or throughput, an awkward distribution flow, or other problems, the concept of Modernization may hold the answer for you.

Technology upgrades make dollars and sense...especially when your existing system can be retrofitted to reach the desired reliability, flexibility, and productivity for a fraction of the cost of new AS/RS...or even an entirely new facility. The "live conversion" approach keeps inconvenience and downtime to a minimum.

Storage/Buffer/Sortation Modules

High-performance, cost-effective order fulfillment and sortation. The module is a compact AS/RS warehouse which provides high-performance, cost-effective order fulfillment and sortation capabilities. It accommodates a wide variety of standard load handling devices for cases, cartons and totes, and provides solid reliability in ambient, refrigerated and freezer environments.

Islands of Automation allow you to automate exactly as needed

Integrate automation into your process, easily, seamlessly with this solutions-based approach

Cisco-Eagle offers an exclusive Islands of Automation™ Solutions Suite. These technological "islands" pack functionality into a specific area to solve a specific task. Since they are modular systems, you can select those that apply to your specific processes. More importantly, we can help you tie them seamlessly to the appropriate areas of your operation.

Automation modules include a variety of applications, such as:

- Bar code data collection workstations
- Print & apply scanning station
- Storage/buffer/sortation module
- Automated case & carton opener
- In-Motion product verification station
- In-motion weighing and dimensioning system
- Palletizing station
- Automatic manifesting system
- RFID compliance station
- Many more available

Contact us for more information on Cisco-Eagle Islands of Automation.

Visit www.cisco-eagle.com/islands for more details.

Use multi-level pick modules for order picking speed, accuracy, and efficiency

Pick module systems save space, time and labor costs while increasing throughput and order accuracy

Pick modules typically have multiple levels and enforce first-in, first-out rotation of pallets or cartons. These systems utilize gravity flow to bring product from the stocking aisle to the picking aisle. The advantage is increased split or full case picking productivity.

This is done by bringing product to pickers rather than having pickers chase product—spending time walking, searching, or moving. In a typical 8' wide rack bay footprint, you can fit 4 or more picking shelves, and as many as 8 lanes of flow storage per shelf. Plug that into a series of similar modules along a conveyor line, and you have high-density storage that allows fast, accurate order picking in a compact vertical footprint that can range from a single floor level to multiple, elevated levels for high-density order picking and fulfillment. Order pickers will spend most of their time picking orders, not walking.

Multi-level pick module configurations can include:

- **Case & carton flow racks:** gravity-fed, first-in/first-out roller system that allows pickers to move one case. Used for each-picks or carton picks
- **Pallet flow rack:** First-in/first-out, gravity system allows pickers to pick from a full pallet. Behind it, another full pallet will be fed in for replenishment
- **Reserve rack:** Typically static or pushback racking that provides bulk and reserve storage to feed the order picking operation with new material
- **Pallet return lanes:** Allow empty pallet removal for easy pick up in lift truck aisles
- **Conveyor & sortation:** Conveyor is used as a means to transport orders down the line. It is also used to move debris, bins, packing materials and other non-product items from picking areas

Pick modules provide optimum flow efficiency

You can move palletized loads by gravity before they're broken into cartons and pieces, then sent to pick areas and shipped. Integrated conveyor and sortation systems direct the flow of product through order fulfillment.

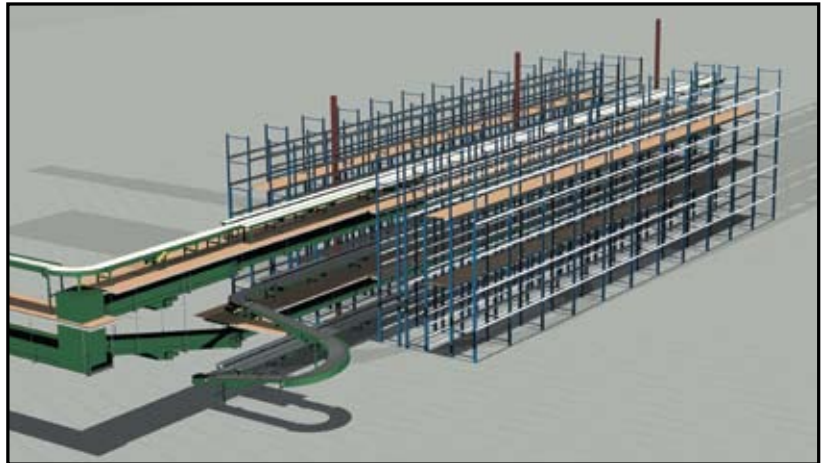
You can enforce inventory rotation through first-in, first-out picking. Replenish them from the load side and your pickers are always presented product in the order you want it picked.

You can save space. Serious space. In a pallet picking operation, you'll save about 35% in a typical 6-deep application. If you're picking from cartons or totes, the savings are even greater, compared to shelving. Saving space can delay moving to larger facilities or wholesale redesign while it opens up floor space to other uses.

You can reduce labor expenses. It's pretty easy to see that when you concentrate storage and picking operations, you eliminate non-productive "walk" time. Order pickers are picking—not walking—for more hours every day. This allows you to greatly reduce the amount of time pickers spend searching and walking. Replenishment is easier than ever. Because you're concentrating picking operations, you can focus inventory, whether it's pallets or cartons, right into the system.

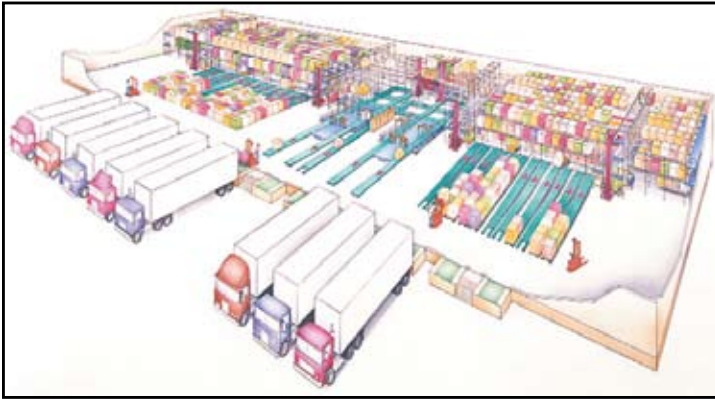
Getting started is easy

- We can help you understand, qualify, and specify pick module and order fulfillment solutions. For more information, contact us today.



Is a cross docking system workable for you? Where do you get started?

Cross-docking is a practice in logistics of unloading incoming shipments, then loading these materials in outbound trailers with little or no storage in between



In its purest form cross-docking is done with minimal or no warehousing. But many “cross-docking” operations require large staging areas where materials are sorted, consolidated, and stored until the outbound shipment is ready to go. If the staging takes hours or a day the operation is usually referred to as a “cross-dock” distribution center. If it takes longer, the operation is usually considered a warehouse.

In a conventional warehouse, goods are received from vendors and stored in devices like pallet racks or shelving. When a customer requests an item, workers pick it from the shelves and send it to the destination. In a crossdock, goods arriving from the vendor already have a customer assigned, so workers need only

move the shipment from the inbound trailer to an outbound trailer bound for the appropriate destination. The already part should make you think of information system requirements--a chief obstacle to implementing crossdocking successfully. Those who get this right are using tools to better manage information, and to better collaborate with supplier chain partners. It is not necessary to be large in size to take advantage of a cross dock model. Today's solutions are both modular and scalable.

Look downstream by considering the order profiles of your key customers

Do you have customers who tend to order the same products in significant volumes throughout the year, or possibly seasonally? In effect, supply and demand are somewhat predictable, allowing you to match each with the other. Begin with these products as candidates. Some products will be filtered out of this mix. For instance, those that require excessive handling in order to move, or products of an unusual shape, size, or excessive weight. FIFO, or date-sensitive products make poor candidates. Cross docking applications vary. In one door and directly out the other is one approach. Many cross-dockers also add value in the brief interval between receiving and shipping. Others send product to a temporary buffer in the interval, in many of these cases an automated system (mini-load, AS/RS, etc.) serves as the buffer.

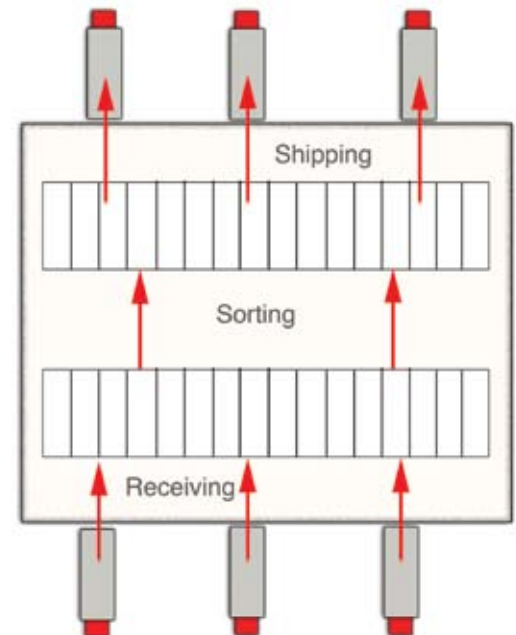
What are the gotchas, why we might succeed or fail?

- Facility layout is poor
- Internal information systems are not integrated
- Little or no integration and collaboration within your supply chain
- Compliance by all supply chain partners
- Selected the wrong products
- Reliable suppliers (accurate, on time deliveries)
- Sufficient volume of activity
- Understanding peak workload variations

What might we potentially expect from a successful implementation?

- Reduction in capital investment in facilities and equipment (less space required)
- Reduction in inventory
- Reduction in personnel requirements
- Reduction in order cycle time
- Reduction in product damage (reduced touches)
- Reduction in freight costs

When you engage in a supply chain enhancement such as cross docking, the players both upstream and downstream of you play key roles. In fact, they will define your success or failure. With planning, a committed team of upstream and downstream participants, and possibly even a pilot program, cross docking can pay significant benefits.



Let us help with your cross docking system

- Contact Cisco-Eagle today for more information.

Material handling for manufacturing & heavy industry

Reliable, safe, productive storage & handling solutions for manufacturing, energy, chemical, fabrication, metal-working and processing industries

The storage, conveyance and handling systems used in industrial operations can significantly reduce costs, increase productivity, and create a safer, more ergonomic production environment.

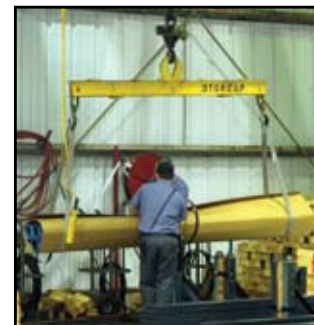
Some manufacturers consider material handling a secondary concern, but the systems that move and handle material as it enters, passes through, and leaves manufacturing processes can be the key to productivity.

Conveyor for heavy industry

- **Heavy Duty Conveyor Systems for Drums, Motors, & Bulky Components:** Conveyors that handle very large, heavy or bulky loads are a Cisco-Eagle specialty.
- **Conveyor/Machine Integration:** We can integrate conveyor to interface with almost any type of machinery ranging from cutters to robotics.
- **Pipe & Tube Conveyor Systems:** Accommodate a broad variety of pipe diameters (and lengths) on the same line utilizing trough roller designs. Frequently interface with cutters, saws, cranes, or other equipment.

More industrial handling equipment

- **Pipe & Bar Stock Storage:** Racks for the extreme loads - high capacity racking systems.
- **Overhead & Jib Crane Systems:** Cranes, manipulators and effectors to optimize any application where heavy components must be handled. (page 108)
- **Automation & Robotics:** From original specification to the delivery and setup of a custom configuration, we can assist you in implementing an automated system.
- **Vertical Lifts/VRC's:** We have installed VRC's in ranging from submarine manufacturing/maintenance bays to chemical production facilities, to paper & pulp facilities. (page 106)
- **Work Cell Design:** Simple reconfiguration utilizing the latest ergonomic handling systems can result in quality and speed gains.
- Heavy duty scissor lifts, HVLS fans, and more. For assistance, contact us today.



Eliminate downtime, reduce repairs, make equipment last longer and work better with Cisco-Eagle Field Operations

Service, maintenance, & installation for conveyors, lifts, balancers, dock levelers, carousels, automated systems, racks, & other material handling equipment

If you want to ensure top performance, maintenance is key. Many companies find it's more efficient to have specialists maintain hardware like conveyors, lifts, dock levelers, and other material handling equipment.

An ounce of prevention is worth a pound of cure

Cisco-Eagle's maintenance expertise helps you:

- Ensure equipment longer life
- Prevent downtime due to equipment failure
- Make your operation more reliable
- Get better equipment status information
- Utilize your personnel on other tasks while upgrading specialized equipment maintenance
- Prevent service calls by heading off problems
- Benchmark the improvements in your operations
- Simplify your maintenance operation
- Obtain the complete *Cisco-Eagle Maintenance Approach*, which starts with an in-depth maintenance audit. The audit assesses all your maintenance needs.



After the audit, you receive:

- Immediate repair needs assessment
- Schedule of maintenance activities

The stress of everyday operations can wear down a conveyor, a dock leveler, or a lift. A long-term, systematic maintenance process improves performance and reliability.

Let the experts handle it..

- We give you a full needs assessment: Cisco-Eagle provides a comprehensive, low-cost maintenance review so that all the issues are on the table to start with.
- We're versatile: We service, maintain or install material handling equipment from every major manufacturer in the world, whether we sold or designed it.
- We're comprehensively trained and constantly update our skills: Our technicians regularly attend training seminars and read manuals. They are well-versed and skilled.
- We acquire parts fast: We have lightning-quick access to parts and data about your conveyors. Our expertise, buying power, and relationships with manufacturers lets us supply parts before some could even find the part number.
- We are specialized: We focus on conveyors and other material handling equipment.
- We make sure you're in the loop - you'll always have complete information on needed maintenance and repairs.

24/7 SERVICE



Downtime is expensive, frustrating, and avoidable with proper care



Service Agreements: On call 24/7

Time and wear can cause problems that even the best maintenance program can't prevent. We are on call around the clock, and our expert technicians can generally respond within 24 hours.

Many companies utilize conveyor systems, but few understand how to properly maintain or service them. We're an excellent source for spare parts. Special projects such as the assembly and repair of racks or mezzanines is also available.

The fastest way to get replacement parts

Cisco-Eagle is the best source for replacement parts for your conveyors and other material handling equipment. We inventory the most commonly needed parts and ship within 24 hours. Our relationships and buying power with equipment vendors means we can get non-stock parts in faster, better, and more economically.

Installation Services

We install material handling equipment of all kinds. As a systems integrator, we have the ability to complete the largest and most complex installations. We work quickly and efficiently. We install material handling products and systems, including Conveyors and Conveyor Systems, Racking: pallet, cantilever, stacking and other racks, Shelving, Mezzanines, Modular buildings, Carousels, AS/RS Systems, Lockers, Barriers, and security gates.

Moving and reconfiguring

Are you moving? Reconfiguring? Getting your material handling systems moved and installed is a science and an art. Cisco-Eagle can assist you in making the smoothest transition possible.

We help companies remove equipment from old facilities and place it precisely and seamlessly into newer ones. Our capabilities to install and design are often called into duty for clients who move and need to transfer their existing material handling equipment and systems.

