# ECISCO-ECIGLE MATERIAL HANDLING

SYSTEMS & SOLUTIONS • EXCEPTIONAL SERVICE BY EMPLOYEE-OWNERS



CALL: 888-877-3861 • VISIT: WWW.CISCO-EAGLE.COM

# BIG-COMPANY RESOURCES. SMALL-COMPANY SERVICE.

#### Count on us to be exactly right size

Most companies in our business are either small local companies or massive international manufacturers. Count on our unique combination of personal service, long-term reliability, expertise and deep resources.

## Count on working with empowered employee-owners

We're all shareholders and partners who are invested in your success. Work with us—you'll know the difference,

#### **Count on innovative systems integration**

Count on our systems integration group to get your project right. We've completed thousands of systems and have centuries of cumulative

experience. We'll handle your business the right way today, tomorrow and into the future.

## Count on exceptional service

We publish customer surveys and reviews to prove our service, so our customers speak for us. We back it up with processes, people and resources to make sure you're always taken care of.

## Count on our experience and stability

We've been in business 50 years because customers return again and again. Our people stay at Cisco-Eagle double the national average; half our people have at least a decade with the company. If you want a long-term partner who supports you with critical expertise, choose Cisco-Eagle.

#### Count on our in-house technicians

Rely on our conveyor and material handling technicians to keep your operation moving.

## Count on our in-depth website

Watch videos, read articles, find pricing, specs and more:

www.cisco-eagle.com.

#### How to reach us

- Arkansas: 800-482-8941
- Austin. TX: 512-746-1354
- Charlotte. NC: 704-981-8376
- Dallas, TX: 800-441-1162
- Florida: 863-313-1401
- Field Services: 800-230-9247 (24/7)
- Houston, TX: 800-255-0432
- Michigan: 989-249-3418
- Nashville, TN: 615-235-0358
- Oklahoma City, OK: 800-522-6532
- San Antonio. TX: 210-403-2902
- St. Louis. MO: 314-200-1260
- Tulsa. OK: 800-722-4343
- National/web sales: 888-877-3861

#### **Table of contents**

Material handling systems	
Automated guided vehicles	
Pick-to-light systems	
Robotics	
AS/RS automated systems	
Carousels—horizontal/vertical	
Carousels-VLM	
Pick modules	
Control systems	
Conveyor systems	
Belt conveyors	
Accumulation conveyors	
ive roller conveyors	
24, 24-volt conveyors	
Sortation conveyors	
lexible conveyors	
Gravity conveyors	
extendable & dock conveyors	
Overhead conveyors	
ow profile conveyors	
Spiral conveyors	
Pipe conveyorsPipe conveyorsPipe conveyors	
Conveyor accessories	
Service & maintenance	
Carton & gravity flow	
Pallet rack - selective	
Pallet rack - selective Pallet rack - pushback	
Pallet rack - drive-in, drive-through	
Pallet rack - pallet flow	
Pallet shuttle systems	
Pallet rack accessories	
Cantilever racks	
Sheet metal rack	
Crank-out cantilever	
Die/component racks	
Cranes, hoists, balancers	
Scissor lifts	
/RC-vertical conveyors	.31
Mezzanines, platforms, catwalks	.32
Modular buildings	
Bins, totes and containers	
Shelving	
Cabinets—metal, modular drawer	
Norkbenches and stations	
Nire partitions	
olding gates & secure storage	
IVLS & other fans	
Guardrails— steel, poly, more	
AisleCop® forklift safety	
AisleAlert* safety sensors	
YoneSafe alert systems	
orklift accessories and devices	
Warehouse safety sensors	
Oock equipment and doors	
adders & platforms	
Casters & wheels	
Carts & trucks	
vianurauturer partner inuex	JU

## MATERIAL HANDLING SYSTEMS

cisco-eagle.com/systems

'Count on us to get your project right with a combination of personal touch and deep resources that makes a difference in every phase from design to implementation to support to maintenance. We'll help create a more efficient, faster operation."

-Joel, Employee-Owner Since 1999





## Improve your bottom line

Distribution, manufacturing and warehousing are chaotic. You need control of processes, equipment, personnel, space and time. When do things get done? Are too many labor resources required? How can you optimize?

#### It's all about control

Material handling systems are the secret weapon of profitable companies. You must minimize expenses, maximize productivity and enhance customer service. Cisco-Eagle helps companies design and implement material handling systems that increase control.

## Savings that fall to your bottom line

Operational savings may be your best opportunity to increase profitability in any industrial operation. If your operation suffers from slow pick rates, space issues, disorganization, safety concerns or bottlenecks, you can't just add more people. That's short-term, and you'll be stuck with uncontrolled, ongoing costs, even if you can find enough people in the first place.

## The right people make it happen

We're trained, experienced and driven to help you succeed. You'll find a responsive, problem-solving mindset that takes you to the next level when you work with us. Blending equipment, technology, processes and workflow in your operation is the heart of our mission.

## From concept to action

Great design isn't enough. Handling complex details isn't enough. You have to have great implementation.

Our installers, project managers, site coordinators and engineers produce and execute detailed plans. They keep the lines of communications wide open so you're never in the dark. You'll get accurate information, effective scheduling and synchronization of all the elements that make up your system from a single source.

## Managing complex installation is our specialty

It's much easier to design a system than it is to implement one, and we have scores of successful installations around the world to prove our ability to turn concepts into reality.

## Single-source turnkey systems

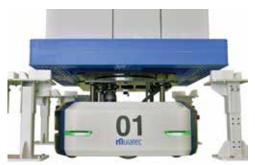
We provide comprehensive turnkey solutions. You have only one entity responsible for the project and its myriad details.





## **Automated Guided Vehicles**

cisco-eagle.com/agv







## A-Series Forklift ACVs

Seven standard forklift and lift deck vehicles are customizable for payloads from a few pounds to 65 tons, lift heights up to 36 feet and operate in extreme temperatures. Optimal for AS/RS integration and everyday use in reaching pallets on racks, shelves, or in floor-to-floor operations.

## **Premex XIO Compact Shuttles**

Smart, compact, all-direction turnable vehicles are equipped with multi-unit controls capable of loading pallets while rotating any direction. Adapt to a variety of layouts and payloads, up to 2,200 pounds. Integrates with AS/RS, G2P systems, and palletizing lines.

## PICK-TO-LIGHT SYSTEMS

cisco-eagle.com/picklight





'If your metrics fit the model, pick-to-light makes all the difference. Because it's hands-free and simple, it reduces costs by making picks faster and more accurate. No worries about language barriers or reading skills."

-Amanda, Employee-Owner Since 2013

## Supercharged order picking



Order picking is labor-intensive, so you should streamline the process. Pickers improve when they aren't forced to read pick tickets. Light modules are mounted to storage media at each location. Pickers scan bar codes to activate an order in their zone, then lights illuminate at each required SKU, featuring locations and quantities.



## Robotics: Picking, Packing, Palletizing

cisco-eagle.com/robotics

While other costs—real estate, energy and labor in particular—rise, automation costs fall. Robots deliver versatile packaging, palletizing, assembly, machine tending and more.

- Robotic palletizing: faster and safer than manual palletizing and reduces repetitive motion injuries. A cost-effective way to increase production without additional labor
- Robotic picking: retrieve product from storage, pick and pack with one robot performing multiple activities. You'll pick faster, easier and safer
- Robotic packing: automated case packing puts your production line on high speed with robotics programmed to load cases in one reach
- Integration: we'll help you integrate robots with conveyors and other machinery







## **AUTOMATED STORAGE & RETRIEVAL**

cisco-eagle.com/asrs



"AS/RS systems improve productivity and reduce labor needs. **You'll do less busywork and more real work**. You'll be lots faster, reduce clutter, slash excess inventory, optimize your space and increase safety."

shoptalk

-Bryan, Employee-Owner Since 1996

# Unit-Load AS/RS Systems: Advanced Pallet Handling

## Moves over 70 pallet loads per hour

Unit load systems handle pallet loads, large containers, drums, racks and more. AS/RS technology uses cranes to both store and retrieve these loads from single and double-deep rack structures engineered to your needs.

- Reduces labor needs for comparable operations by up to 60%
- Utilizes the cube for massive space savings and storage density
- Reduces forklift usage in your facility
- Improves inventory control, accuracy, security and visibility

Muratec and Cisco-Eagle can help you design, engineer and install the most suitable AS/RS type for your operation and organizational needs.



# Mini-Load AS/RS: High-Density Automation for Totes & Cases

## Store or pick up to 2,400 locations per hour

Mini-load AS/RS systems store and retrieve totes, trays and cases at high speeds. Muratec systems are ideal for picking operations and small parts handling while maximizing floor space.

- Reduces labor needs by 65% while increasing accuracy and throughput
- Handles fixed or variable load sizes—adapts to changing needs
- Mini-load systems dramatically increase storage density—use that reclaimed space for high value activities
- Improves inventory control while allowing simple cycle counting and increased product accessibility. Security is naturally enhanced

Muratec and Cisco-Eagle can help you identify your needs and plan for a future that lets you stay ahead of market and demand fluctuations.







## **INDUSTRIAL CAROUSELS**

cisco-eagle.com/carousels



"Manual picking can't match carousel pick rates or accuracy. Racks and shelving don't come close to the storage density of a carousel for the same loads. Carousels reduce walk time and increase the time workers spend doing productive things."

-Ryan, Employee-Owner Since 2018



## **VERTICAL CAROUSELS**

Vertical carousels reduce costs and labor requirements while they increase speed and throughput. Compared to shelves, drawers and other conventional storage methods, vertical carousels offer significant efficiency gains, floor space economy and improved inventory control.

- · Productivity: improved throughput, lower error rates, search and dwell 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
- Security: carriers, access codes and software password protection
- Applications include: tool & stockrooms, parts distribution, die storage, buffer storage, point-of-use workstations, inventory consolidation, order picking, automated tool & component dispensing. Used to store dies, tools, fixtures, raw materials, work in process, parts, assembly components



## **HORIZONTAL CAROUSELS**





## 99% picking accuracy; 50% floor space recovery; 100% configurability

Horizontal carousels increase productivity by delivering product to pickers. They are outstanding solutions for each-picking, highly selective case picking, buffer storage, distribution, kitting and progressive assembly.

Carousels help you reduce labor requirements, extend order cut-off times and reduce inventory levels. They also help prevent inventory shrinkage by increasing operator accountability and helping to enhance supervision, since pickers work in visible work areas.



## **VERTICAL LIFT MODULES**

cisco-eagle.com/vlm

## Speed. Accuracy. Storage Density

VLMs vs. vertical carousels—the differences: Vertical carousels rotate all their shelves, but VLMs because of their carriage technology-deliver only the required item. VLMs are modular and can add or remove modules, while vertical carousels are fixed height. VLMs are one of the most space efficient storage methods available, able to recoup up to 90% of floor space vs. traditional shelving or racks—all while delivering labor savings, picking accuracy and throughput.

- Many possible picking bay combinations: internal or external with single or dual-level delivery
- · Modular unit heights are expandable by standard increments
- Tray optimization provides storage density
- User friendly (intuitive user software and color touch screen interface)
- · You can install two or more units adjacent to each other
- Dedicated management software to meet any needs



## **Pick Module Systems**

cisco-eagle.com/pickmodules



Pick modules create first-in, first-out rotation and increase picking productivity. Four pick shelves—with as many as eight lanes of flow storage per shelf—fit into a typical 8' bay. Plug that into modules along a pick line, and you have high-density storage that drives your picking process. Many possible sizes and configurations available.

- · Pallet and carton flow
- Structural racks
- Shelving and modular storage
- Workstations and more

#### **Software and controls**

cisco-eagle.com/controls

Count on us to integrate your automation system technologies and OEM equipment

- Non-proprietary systems takes advantage of reliable, costeffective available components
- · PC and PLC based control systems as applicable
- · Interface within a wide variety of WMS, WCS and ERP systems
- Modular design of components and architectures make expansions and reconfiguration quick and easy
- Real-time, human-machine graphical interfaces between equipment and control systems





# CONVEYOR SYSTEMS: FROM AUTOMATED SYSTEMS TO SPECIALIZED APPLICATIONS AND PROJECTS

cisco-eagle.com/conveyors

Cisco-Eagle has implemented thousands of conveyor projects in every industry. Count on us to help you find the best solution for your needs in a timely, cost-effective way.

- Load flexibility: whether it's packages, totes, bags, pallets, pipe or heavy components, we can help you find a conveying solution
- Integration specialists: we help customers integrate conveyor with other production machinery, existing equipment and more
- Expert implementation: our experienced system teams take you every step of the way, from concept to installation



cisco-eagle.com/conveyorsystems

#### Labor cost reduction

Conveyor systems reduce material transport costs. When the volume justifies it, conveying an item is far more efficient than moving it by forklift, cart or hand. Reducing the number of people required to process a shipment, pick an order or transport materials is often the most critical ROI factor.

## **Ergonomic and safety enhancements**

Conveyors are inherently safer than other material transport methods. Many companies are working to reduce the volume of forklift traffic in their facilities due to safety concerns, and have used that as a justification to implement a pallet conveying system. Any automation that removes people from lifting, straining and moving enhances safety, so cartons, totes or even lightweight loads on conveyors are safer than alternative movement methods.

## Faster material flow and throughput

Conveyors can increase the amount of product that's delivered to a packing, picking, assembly or shipping operation. Conveyors justify themselves by delivering product to a function faster and more efficiently than other methods. For many companies, beating deadlines and quickly processing orders is so critical that conveyor systems pay for themselves in short order.

## **Conveyor systems control tempo**

People think of conveyor systems as something that always increases speed, but that may not be your goal. In some cases, you need to regulate the pace slower, faster or variable based on operational needs. Conveyors frequently serve as buffers, allowing processes upstream to execute while serving up product and materials at the right time.



#### **Error reduction**

Because conveyor systems enforce standardization and can divert, accumulate or sort loads to their proper destinations, they can significantly reduce rework, errors and issues with delivering the correct load to the correct destination.

## Space savings and facility efficiency

Because conveyors allow you to move materials vertically, they can be installed on the floor, from the ceiling and at multiple levels. This allows you to free up critical floor space. The only limitation might be your facility ceiling height.

## Reduce forklift presence

Many companies use conveyors to reduce forklift presence in their facilities to help improve safety and efficiency.

## Versatility

Conveyor systems can be designed for virtually any type of operation, from receiving to returns. They can be reversible; they can change heights; they can sort; they can rotate cartons or shoot them into a buffer for work down the line. They can be retracted. They can feed directly into a truck or dump items into bins as needed. A well-designed system can transform tedious work into fast-paced productivity.





## **POWER BELT CONVEYORS**

cisco-eagle.com/beltconveyor



"Use belt conveyors for irregular loads—things with poor weight distribution or bottoms like poly bags, bulk bags, small parts and soft parcels. Because they keep products stable, belt systems are ideal for inclines, scan tunnels and machine integrations."



-Ed, Employee-Owner Since 2002



#### Model TA slider bed conveyor

Use TA conveyors for medium duty applications like sorting, packing, inspection, tote conveying, parts handling and carton transport. Sets up quickly and easily to save on installation time. Ideal for progressive assembly, sorting, inclines and declines.



#### Model TL slider bed conveyor

TL is built for assembly line operations, inspections, testing, sorting and packing. It can be floor supported or ceiling hung. It is an excellent conveyor for wide, long and heavy product loads.



## Model TR - medium duty troughed slider bed

Troughed belt conveyor with built-in guardrails is ideal for overhead conveying applications since the rails offer a degree of product containment. It conveys boxes, cartons, cases and bags, as well as loose parts and small items.



#### Model SB horizontal slider bed

Model SB creates product gaps preceding a sortation system. It's used for assembly line operations, inspections, testing, sorting and packing, and offers a higher capacity than standard slider bed. Ideal for matching up with roller bed conveyors.



## Model TH trash & empty carton belt conveyor

TH handles a variety of loads—empty cartons, paper trash and bulk waste transport. Also used for applications like baggage handling, returns, transport, inclines and receiving. Features integral side guards and an underside bed cover that runs the length of the conveyor. Excellent for publishing, printing and applications that generate paper trash.



## The "Gapper" horizontal belt gapping conveyor

The Capper feeds conveyor system sawtooth merges, combiners, sorters, palletizers, in-motion scales, label application systems or other equipment where gaps must be created between cartons. Bed - 12 ga. galvanized slider pan mounted in 6-1/2 in. x 12 ga. powder painted, formed steel channel frame.









"You specify a belt curve for the same reasons you would straight belt conveyors: belts handle more load types and position them more precisely. They're the choice for better load support and control."

-Antonio, Employee-Owner Since 2012





## **Belt Conveyor Curves**

Belt curves move product with a belt, driven by tapered pulleys and are typically used in applications where loads are not ideal for rollers or precise positioning is critical. Belted curves are more specialized than roller curves, but provide more control of the load where you may need to align your products for a scanner, scale, taper or other machinery. Belts let you keep the product exactly where you want it, oriented in the direction you want it.

#### **Incline conveyors**

#### cisco-eagle.com/incline

Incline conveyors are equipped with chain drive power feeders and an adjustable nose-over at the discharge end to ensure smooth transfer from the incline to the horizontal plane. RBI roller bed conveyors provide higher load capacities. SBI slider bed incline conveyors have full-width galvanized pans. Easily adjusted up to 30°. Utilize reversible inclines as a booster in gravity flow systems.



## **Connex Plastic Chain Conveyors**

Use plastic belt (plastic chain) conveyors to convey everything from lightweight packaged or unpackaged products to heavy loads. Steel or aluminum bases available. May be used for washdown applications. Its modularity and flexibility satisfy most layout requirements. Positive drive helps prevent slippage.



#### **Model PSB plastic belt conveyors**



Ideal for washdown or food applications. Modular plastic belting systems use a positive drive system to eliminate belt slippage and mis-tracking. A plastic belt curve conveyor is available. Bed - UHMW on aluminum slider bars.

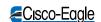
## 138-190-ACC medium duty v-belt accumulation

#### cisco-eagle.com/accumulation

The simplest accumulation method ever devised for cartons and totes. Eliminates complicated adjustments and allows a minimum of 2% back pressure. By maintaining constant minimum pressure on the tread rollers, long loads are conveyed, accumulated or stopped on the conveyor at any point with little pressure.

The driving of the tread rollers on minimum pressure conveyor is accomplished with the top surface of a standard section endless flat belt. The strength and wear qualities of the tread rollers and this belt have been thoroughly tested for continuous duty. To maintain the driving of the tread roller, the pressure roller is mounted in spring-adjusted carriers which sense the required driving friction regardless of the length of the accumulated load. The pressure can be maintained constantly to give a 2% minimum back pressure in either forward or reverse. In the event of extreme changes in the load weight, thumb adjusting nuts can be turned to accept a heavier load.







## LIVE ROLLER & ACCUMULATION CONVEYORS

cisco-eagle.com/liveroller





#### Model 190-LR flat-belt driven live roller conveyor

For medium-to heavy-duty cartons in manufacturing and distribution. Also used for transferring or deflecting boxes on or off conveyor lines. Live roller design also permits stopping or holding (not accumulating) without stopping the conveyor. Ideal for merging where positive product flow is required. Rollers - 1.9" dia. x 16 ga. galvanized rollers spaced every 3".

#### Models 138/190-LRC accumulation curves

Negotiate 30°, 45°, 60° and 90° curves

Light and medium duty, v-belt-driven live roller conveyors negotiate 30°, 45°, 60° and 90° curves. Tapered rollers assist in package orientation. Curves may be self powered or slave driven from 138 or 190 ACC, LRS or LRSS conveyors.



## EZLogic® Zero-Pressure Accumulation Systems

cisco-eagle.com/gen3

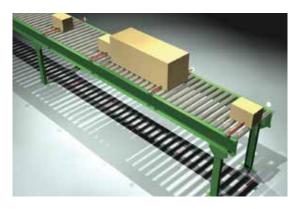
- · Easy installation and replacement
- Dynamic zone allocation provides unprecedented throughput
- Easy to configure; expanded control options
- · Functionality to enhance product flow
- · Greatly simplified field wiring

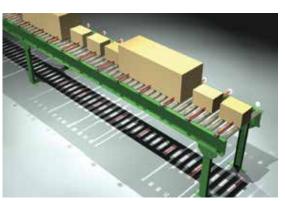
EZLogic®—or Electronic Zero-pressure Logic—is a method of zero-pressure control that combines the sensing accuracy of photo-electrics with discrete electronic logic control without a PLC or pneumatic logic components. The system provides all the "intelligence" needed to accurately control the various functions of zero-pressure accumulation on a variety of conveyor models. Reduced noise, higher reliability, higher throughputs and ease of maintenance are inherent.



## **Dynamic Zone Allocation Handles Most Any Box Size**

EZLogic® automatically adjusts the conveyor's zone length to accommodate the length of the carton. Longer cartons are easily and efficiently conveyed in singulation mode, giving you better control of conveyed boxes. Carton throughput, accumulation density and system flexibility are all improved. This makes your conveyor system more flexible and efficient. You can size your zones for the smallest carton in the system and still accumulate the largest one. What's more, longer cartons can be introduced after installation and don't obsolete your conveyor investment.





LEFT: Dynamic zone accumulation sets zones based on the length of the load. It wastes less space on the line and allows for greater density and higher throughput. It is highly flexible when it comes to load lengths. It allows conveyors to zone many different box sizes.





## E24™ 24-VOLT LIVE ROLLER & ACCUMULATION CONVEYORS

cisco-eagle.com/e24

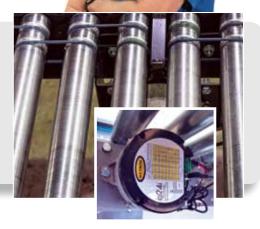
"Conveyor systems have two costs: <u>purchase price and operational costs</u>—which really stack up. Those costs include things like electrical and utilities. Maintenance and replacement parts are a huge factor. Specifying the right conveyor reduces operational costs and improves your return on investment."

-Kevin, Employee-Owner Since 2017



E24<sup>™</sup> 24-volt accumulation conveyor utilizes a decentralized drive system consisting of a pancake motor located in each accumulation zone. Each can run at a selected speed. Quick-connect modules reduce wiring and installation costs, including substantial energy reductions and maintenance—10 times the life of traditional MDR motors.

Eliminates the need for a different motor because there are no gears in the system. Since the drive train is distributed along the conveyor length, a single piece of equipment can perform multiple functions. This includes multiple speeds, directions and start/stops.



## **E24EZ Accumulation Systems**

E24™ and E24i™ with EZLogic® allow multiple accumulation and product release options. EZLogic®combines the sensing accuracy of photoelectronics with discrete electronic logic control without a PLC or pneumatic logic components.



## **E24™** belt accumulation conveyors

These conveyors use 24-volt motor driven rollers and the EZLogic® accumulation system with belt conveyor for accumulation of small items like letters or poly bags. Belt conveyors allow accumulation of cartons or totes on inclines, where they might otherwise slip.



Factor	E24i	E24
Max RPM	350 RPM	280 RPM
Max speed w/ standard spool	174 FPM	140 FPM
Max speed w/ speed up spool	254 FPM	200 FPM
Voltage	24-DC	24-DC
Typical current draw	1.0 A	1.0 A
Max current draw	1.5 A	3.0 A
Typical torque output	4 lbs-in	4 lbs-in
Max torque output	4 lbs-in	10 lbs-in
Speed setting	Switches	Switches

## E24i systems vs. conventional e24

E24i eliminates the need for drive belts, chains or line shafts, and sets the standard by delivering long-lasting, low-voltage product transportation. It integrates the control card and the motor for simplified installation and easier maintenance. E24i systems feature robust electronic control and require less wiring while delivering a sleek appearance and the same versatility of a traditional E24 motor.





## ABEZ - medium-duty zero-pressure live roller accumulation conveyors

Model ABEZ is ideal for applications that require accumulation of products without a build-up of line pressure. Singulation feature allows products to be easily removed from any location on conveyor. The conveyor consists of zones with an EZLogic® accumulation module for each. Those accumulation modules detect product presence to determine whether the zone should be driving or accumulating.





## SORTATION & TRANSFER SYSTEMS

cisco-eagle.com/sortation









"Sortation conveyors divert a product from one line to another. They range in complexity from basic pushers to sophisticated cross-belt sorters. Options include the type, speed and control system used to automate your process."

-Eric, Employee-Owner Since 2017





## ProSort high-speed slat sorters for rapid small item sortation

Loads move on flight tubes where divert shoes slide across the conveyor to push product onto a takeaway line. Made specifically for high-speed sortation of smaller products. Speeds up to 450 feet per minute.



The E24™ powered pivot diverter is used with E24™ and E24EZ accumulating conveyors. Products are diverted onto adjacent 30° spur lines. The vertical lift of the sheave assembly gives the diverter more control of the package.



Sorts products where high speeds and close divert centers are required. 400 series has the highest sortation rates and gently handles products. Available with single or double-sided diverts at up to 700 FPM.

## **Model SC integrated belt sorters**

A belt driven sortation conveyor. The belt provides a reliable method of tracking packages to the divert stations. Diverters controlled by photocells, a code readers, a PLC controller and more.

## **ViperSort right-angle sorters**

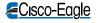
Ideal for sorting small to medium size products. Patented design lets you sort a diverse range of loads such as cylindrical products and extremely thin items like blister packs or vinyl envelopes.

#### ProSort MRT 30° & 90° narrow belt transfers

Multiple narrow belts transport the load. Rollers pop up between the belts to transfer items at right angles to the sorter. Features include right-angle and two-side transfer, high sort rates, close transfer locations and flexible sort locations.



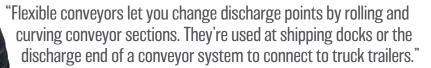






## **FLEXIBLE CONVEYORS**

cisco-eagle.com/flexconveyor





-Reggie, Employee-Owner Since 2021



## Skateweel flexible: ideal for packaging lines and shipping applications

With capacities from 175 to 300 pounds per linear foot, flexible skatewheel conveyor can handle the load. Conveyor features 12-gauge side plates, zinc-plated to resist corrosion. Cartons follow twists and turns of the conveyor path without using engineered curves. It's fitted with a 5" swivel caster on each leg for easy transportability.



## **Gravity roller flexible conveyors**

1-3/8" zinc plated steel rollers feature sealed bearings for longer life. Conveyor is self-tracking—cartons follow the twists and turns of the conveyor without side rails. Features 1-1/2" aluminum alloy side plates with ribbed construction for added durability.



## Power roller flexible conveyors

Ideal for truck loading and unloading, distribution centers, packaging, portable assembly lines and shipping-receiving operations. Runs smoothly with no dead spots—power is transmitted to every roller by a polyurethane belt. Zinc plated rollers are built with solid steel axles and precision bearings for performance and reliability. Legs have swivel casters that easily roll and lock into place while conveyor is in use.



## Gravity Conveyors: Skatewheel & Rollers

cisco-eagle.com/gravconvevor



## Skatewheel conveyor

Skatewheel is the most economical type of conveyor, made with steel skatewheels mounted on axles to convey product. It is frequently used for loading trucks with the conveyor set up on removable stands or supports. Skatewheel conveyors are good for items with a smooth, flat bottom. Unlike power conveyor, the load can be wider than your conveyor if it is centered correctly. Skatewheel conveyors flow better than roller. A minimum of ten wheels should be positioned beneath your load at any given time.

## **Gravity roller conveyor**

Uses rollers for greater weight carrying capacities than skatewheel. Rollers are recommended for uneven, open or rimmed bottom packages. They have spring loaded axles for easy removal and replacement. Unlike skatewheel conveyors, your load should never be wider than the rollers. Use at least three rollers under a product at any given time.





## TRUCK & DOCK CONVEYORS





#### Adjustoveyor telescoping & extending conveyors

These dock conveyors are highly configurable with options including extendable skatewheel conveyor at the end for staging product, hydraulics that can raise or lower the conveyor to fit different height trucks and workers, and a traversing undercarriage for servicing multiple dock doors.

## **Telescopic Conveyors Extend Into Trailers**

#### cisco-eagle.com/extendableconveyor

When your conveyor system ends short of the dock door, utilize extendable conveyors to bridge the gap and convey products all the way into the nose of truck trailers.

- Rigid belt drive-out conveyors: reaches from a permanent conveyor all the way into a trailer. The conveyor is easily powered in and out with no operator effort for improved ergonomics and safer operations.
- Rigid, drive-in belt conveyors: rigid belt systems function similarly to roller systems, but are used for varying loads. They
  extend your conveyor system to trailers and docks. Optional pull-out gravity conveyors for more flexibility.
- Telescopic belt conveyors: this conveyor gives you precise control at the shipping dock by extending automated loading all
  the way to the nose of the trailer. This allows faster, more ergonomic loading and unloading at busy shipping and receiving
  operations, and ties directly into powered conveyor systems without extensive integration.



## **OVERHEAD CONVEYORS**

cisco-eagle.com/overhead



## Convey awkward items that don't sit easily on conveyor rollers or belts

When your load is unbalanced or difficult to seat, a flat belt or rollers may not convey it. Overhead conveyors let loads hang on specialized carriers, so the suitability to rest on a surface is no issue.

- Enclosed track: enclosed track protects worker hands. Loads start/stop simultaneously at the same speed.
- Heavy duty enclosed track: synchronous load transport and safety benefits of enclosed track with higher load capacities.
- "Power and free": multiple tracks with diverts, merges and loads at different speeds for routing through multiple lines.
- I-beam monorail: trolleys carry heavy loads along I-beam tracks for applications like assembly lines and component transport.



## LOW PROFILE CONVEYORS





"These conveyors are ideal for tight spaces and specialized needs in processing and automation applications. They're frequently used in medical or pharmaceutical, parts assembly, food handling and general warehousing."

-Ross, Employee-Owner Since 2020











#### Ideal for small parts and general conveying applications where vertical space is critical

QC Conveyors are utilized in machine integration, sanitary and packaging system applications including distribution, assembly, medical and pharmaceutical applications, warehousing, food handling, manufacturing and more. Due to their low profile, they're ideal for tight spaces and machine integrations.

## Spiral Conveyors & Chutes for Vertical Transport

#### cisco-eagle.com/spirals

Spiral conveyors are ideal to transfer loads from level to level quickly and efficiently, without interrupting the product flow. They reduce extra manual handling and are excellent for load transfers to other equipment. An excellent product for mezzanines for multilevel buildings, or elevated conveyor lines.

- Small operating footprint: Spiral conveying transports goods vertically in less space than lifts, inclines or other methods.
- High throughput: Spirals convey the load in a continuous flow, creating high throughput. Can operate at speeds up to 200 feet per minute—and many models can be reversed.
- Single drive on most applications: reduces costs and energy needs while making controls integration easier.
- Ease of installation: Many spirals are shipped as one piece, pre-assembled and tested.
- Spiral chutes: provide a safe and economical way to lower products from mezzanines, work platforms, overhead conveyor lines, pick modules or multi-level installations of any kind.



## **Pipe Conveyors: Ideal for Machine Integrations and Merges**

#### cisco-eagle.com/pipeconvey

Transport a variety of pipe diameters and lengths on the same line with trough roller designs. Interface with cutters, saws, cranes or other equipment. A number of methods (bowtie or flat rollers, v-pattern rollers) are used to control pipes on the line and make conveying safer and faster than manual handling.





## PALLET CONVEYOR SYSTEMS

cisco-eagle.com/palletconvey







"Check your pallet runners. Are they parallel or perpendicular to your rollers? Perpendicular is best for conveying; avoid parallel. If your pallet runners are both directions you can convey them either way."

-Cerry, Employee-Owner Since 1993



## Chain-driven live roller: 25/26-CRR conveys oily parts, pallets, drums and similar loads

The heavy construction of the 25/26-CRR power roller chain drive conveyor lets it convey tough loads like fully-loaded pallets and heavy drums. Chain driven rollers are ideal for conveying parts in bottling and steel industries.

## 25-CREZD chain-driven zero-pressure accumulation

These chain-driven live roller conveyors accumulate loads like pallets and drums with zero back pressure, reducing the chances of collisions. Ideal for shipping & receiving, taller loads and interfacing with palletizers or stretch wrappers.

## High-efficiency, medium-duty poly-v belt-driven roller pallet conveyors

Features a roll-to-roll belt drive that facilitates quieter, smoother operation. 199-PVR is ideal for lighter duty pallet handling in applications where noise reduction and lower maintenance costs are desirable.

## 199-CRR medium-duty chain-driven live roller conveyors

Its roll-to-roll chain drive makes this conveyor ideal for light to medium duty pallet handling or oily conditions—which aren't suitable for belt driven live roller. Eleven roller widths ranging from 15" to 39". This conveyor is reversible.

## Heavy-duty drag chain pallet conveyors

Drag chain conveyors convey pallets with bottom deckboards perpendicular to travel direction. Capacities up to 6,000 pounds and frame widths up to 104-1/2". Models: DC-62, DC-63 and DC-82. Drag chain accumulation: DCEZ-63 is a three-strand drag chain pallet conveyor with an EZLogic accumulation module.

## Heavy-duty plastic belt accumulating conveyors

The Model PLEZD is a heavy-duty plastic belt conveyor that handles footed pallets, slip sheets and unitized loads—the kind of loads that can't normally be conveyed on rollers. PLEZD provides zero pressure accumulation, reducing the possibility of product damage. Handles up to 2,000 pounds per zone.



## **CONVEYOR ACCESSORIES ADD SAFETY, FUNCTIONALITY**

## **Conveyor Safety Netting**

#### cisco-eagle.com/conveynet

If a conveyor suddenly stops, or an item is too near the edge, it can fall—but conveyor safety netting makes the soft catch so it protects people from falling pieces that escape the limited reach of guardrails. Conveyor netting prevents falls, but is relatively inexpensive and easy to install. It's low-maintenance, durable and won't degrade, rust, peel, rot or dent. Many sizes and configurations are available.





## Conveyor Crossovers & Steps

#### cisco-eagle.com/crossovers

When conveyor, pipe, channels, conduit, machinery and other obstacles make getting from one place to another difficult, consider a crossover. We can help you design and implement structures to help make any part of your operation accessible. Available with a variety of stairs, ladders, platforms, railing and other options to ensure accessibility.

#### **Conveyor gates**

Manual gates for gravity conveyor: hinged on one side. Lengths: 3', 4', 5'. Widths of 12" to 24" for skatewheel and 1-3/8" rollers: widths from 13" to 39" for 1.9" rollers.

Spring balanced gates for gravity conveyors: passage for personnel, lift trucks and other equipment. Adjustable ergonomic tension springs help lift the gate.

E24 power roller gates: use a die spring to assist manual opening and closing for powered conveyor. When raised, its rollers automatically disengage. Rollers reactivate and continue to convey products once closed.





## Package stops

Stops are placed on gravity or powered roller conveyors to stop products. Choose dead, terminating end, angle end, raised end roller and hand and foot operated blade/roller stops.



#### **Diverters**

Diverters move products off a conveyor onto another during accumulation or sortation. Types: swing arm and powered pivot models. Convergers also perform this function.



#### **Transfers**

Manually rotate or position loads with ergonomic ease. Options include ball transfers, belt, chain, roller and 0-ring transfer types.





## **CISCO-EAGLE FIELD SERVICES**

cisco-eagle.com/fieldops • 800-230-9247 (24/7)



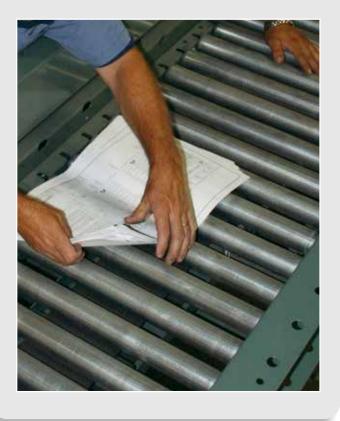
"Downtime hurts more than just an idle machine—it's lost dollars, late deliveries and upset customers. Let our OSHA-trained and factorycertified technicians help you reduce the chances of a breakdown."

-Alan, Employee-Owner Since 2017



## Performance Isn't Accidental

The stress of everyday operations wears down conveyors, dock levelers, carousels, packaging machinery, vertical lifts and other material handling equipment, but you can ensure reliability with systematic maintenance. Specialization is how we develop partnerships with our maintenance clients. Call us and we'll get started.



## Your operation can be more reliable

- Increase equipment life expectancy
- Help prevent downtime due to equipment failure
- · Cet better status information
- Utilize your personnel on other tasks while upgrading maintenance
- Prevent service calls by heading off problems
- Benchmark the improvements in your operations
- Simplify your maintenance operation

## Let us handle your problems

- · A full needs assessment
- · Versatility: we can work with every major material handling manufacturer
- Comprehensive training and skills
- Extensive communication before and after preventative maintenance

## Service agreements: 24/7

Time and wear can combine to cause problems that even the best maintenance program can't completely prevent. When that happens, we're on duty to help. We are on call around the clock, can respond within 24 hours and thoroughly understand the ins and outs of material handling and other equipment.



## Certified, safe and fully trained

Our technicians are specialists, trained for a wide variety of equipment and needs. Safety certifications include OSHA 30, OSHA 10, Lockout/Tagout, Arc Flash. Crane/Hoist Certified and countless more.

#### **Installation services**

Cisco-Eagle installs 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 all material handling products and systems, including conveyors, vertical lifts/VRC's, scissor lifts, all types of storage racks, shelving, mezzanines, modular buildings, carousels, robotics, security cages, barriers, gates, dock equipment, packaging machinery and more.





## **CARTON & GRAVITY FLOW**

cisco-eagle.com/cartonflow



"If your pickers have to reach deep into shelves, walk around to find stock or bend to get parts, you're wasting time and risking injuries. Carton flow concentrates storage and improves ergonomics while it reduces walking, waiting and searching."

-Tom, Employee-Owner Since 2015



## Full-Width Rollers: SpanTrack Lane Systems



## Versatile product flow

SpanTrack carton flow rollers easily drop into rack beams to create efficient, durable, dependable, ergonomic case and each picking operations for fulfillment, manufacturing, assembly and more.

Add, modify, expand and utilize carton flow throughout the operation or at strategic points for either full or case picking. Ideal for cartons or totes of uniform dimensions-particularly widths. Full rollers have 300% more contact with product than plastic wheel tracks.



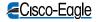
## SpanTrack Wheel Bed

Economical replacement for plastic wheel rails with 90% right-to-left shelf utilization

Shelf track provides lateral flexibility for ease of inventory reslotting while it maximizes space and throughput for inventories of varying shapes and sizes. Engineered-to-order carton flow beds increase storage density throughout your operation.

- · Hex hub wheel design for smooth flow
- · Eliminates hang-ups that can occur with flow rails. Solid shelves won't allow cartons to fall
- Low maintenance costs
- Drop-in design for efficient, accessible picking
- Optional shark fin infeed guides make replenishment more regimented and organized

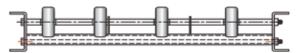




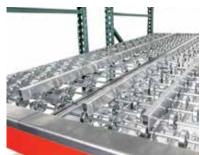


## **Skatewheel Flow Racks**

cisco-eagle.com/skateflow



Flow racks utilize heavy-duty skatewheel conveyor instead of flow rails or tracks. You don't have to flow product down in a particular "lane"—use the flow storage anywhere within the width of the conveyor shelf and move side to side as needed. Drop-together construction makes it fast and easy to install. Flow track gravity racks are great for many applications, but for those requiring more flexibility and superior rollability, skatewheel is ideal.



## Shelf Track: Replace Your Plastic Wheel Systems







Shelf Track replaces unreliable plastic wheel rails with a durable carton flow system that drops easily into existing racks and shelves—even carts and workstations. Comes in roller lane or wheel bed configurations. Roller lanes provide 300% more contact with rollers than plastic wheel rail, with no hang-ups or load imprinting issues. You can use the full width of the shelf for maximum flexibility of left-to-right storage. Optional shark fin infeed guides ease replenishment.

## Modular FlowCell for **Configurable Flow Storage**

cisco-eagle.com/flowcell





One of the most effective ways to accelerate productivity, improve ergonomics, eliminate waste and maximize your space is to implement FlowCell workstations. FlowCell helps you apply Lean principles and create modular, dynamic storage. Mix & match components let you create ergonomic stations ideal for picking, assembly or line side storage.

## Tilted shelves and carts help enhance picking

cisco-eagle.com/tiltshelves





Slow-moving products are often stored on static flat shelving, but a tilted shelf system can be more productive. It's a faster, more efficient way to pick cartons, or pick from them. Tilt storage improves visibility and accessibility, increasing pick accuracy. Available in stationary units, as rack plug-ins and in mobile configurations. Creates less strain and fatigue by minimizing reaching and bending.





## **PALLET RACKS**

cisco-eagle.com/palletracks



'We'll work hard to meet your critical requirements and load factors to make sure you get a safe, efficient rack system that upgrades warehouse operations. Whatever your needs or load type, count on us to help."



-Craig, Employee-Owner Since 2014



## SK2000 Fully-Enclosed Racks Are Stronger and Safer



SK2000 fully enclosed racks have 44 times more torsional strength than open back racks. Fully welded structural tubing increases durability and structural integrity.

## **Beams: 3-rivet connection** & channel rib strength

Seamlessly welded tubular high-strength steel beam with full vertical fillet welds. Innovative stiffening ribs provide higher capacities. Safety clip resists beam disengagement and engages automatically when installed.



## **Impact-resistant enclosed** uprights

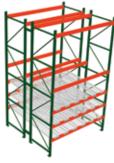
100% tubular rack has greater resistance to torsional forklift impact than open-back columns. Tapered keyhole connection slot is interchangeable with other rack systems and allows 2" vertical beam adjustments.











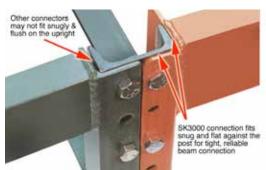












## **Heavy Structural Pallet Racks**

cisco-eagle.com/structural

Capable of withstanding the wear and tear of tough environments. Structural channel steel frames feature heavy capacities up to 51,500 pounds (based on 48" or less vertical beam spacing). Beams: built from structural "C"-channel steel with heavy steel bolt connectors.

"When square footage is limited, reducing your pallet rack footprint is a smart way to optimize your warehouse. We could narrow aisles, but safety considerations and forklift limitations may factor in. Options like high density racks, pallet shuttles, AS/RS systems and new layouts should be on the table."

-Kevin, Employee-Owner Since 2020



Selective racks have 100% access to all pallets and aisles. Every pallet is always accessible, but density is reduced.

Drive-in and pushback are last-in, first-out with reduced selectivity and better density. Ideal for long-term storage and less immediate access. Unsurpassed density is the strength of flow rack. Depths are limited only by facility size. Flow systems offer first-in, first-out rotation.

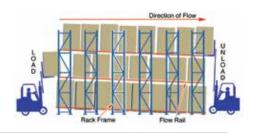












## Racks for Rolls, Dies, Coils and Other Nonstandard Loads

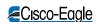








- Die racks: because dies are bulky and heavy, they're difficult to store and work best on specialized racks designed for the task.
- Narrow aisle & very narrow aisle racks: the space between aisles is minimized in these systems, reducing aisles up to 40%.
- Coil & roll racks: safely and efficiently store rolls, coils and other difficult loads.
- Mobile aisle racks: in these systems, rack sections move on floor-mounted rails to open up access aisles. A very high-density storage system.
- Specialty storage racks: store loads such as tires, furniture, bar stock, long parts, oddly-balanced loads, vehicles and more.





## PUSHBACK RACK FOR HIGH-DENSITY STORAGE

Last in, first out racks for concentrated storage density and increased selectivity vs. drive-in racks

#### cisco-eagle.com/pushback

Store pallets two to five deep with relatively good access to a variety of different SKUs and stored pallet positions. You get up to 90% more storage than selective rack systems and 400% more selectivity than drive-in systems.

- · Forklifts load pallets on nested carts riding on inclined rails. Pallets are pushed back by subsequent loading
- · When a forklift removes the front pallet, the pallets on carts behind it roll gently to the front storage position for last-in, first-out access
- · Interlocking, color-coded carts help prevent dangerous jamming and costly product damage

#### **Pushback carts**

Carts are critical because jams are dangerous and expensive. Carts are built for performance and lower maintenance.



## **DRIVE-IN & THROUGH RACKS**

cisco-eagle.com/drivein

## **Drive-in rack systems**

Allow a lift truck to enter the rack from one side to deliver or retrieve pallets in a last-in, first-out operation. Drive-in is ideal for cooler or freezer applications because it packs many pallets into expensive space.

## **Drive-through racks**

Allow a lift truck to enter the rack from either side. Loads are supported by rails attached to upright frames, and lift trucks drive between uprights to access pallets. Storage density is enhanced since many pallets are stored and available through a single pallet position.

## When to specify drive-in systems

Use drive-in racks for large amounts of similar items in a single deep-lane pallet position. Since it's last-in-firstout, it's suited for items where inventory rotation is less important. It's ideal for bulk, cold storage applications and high-density needs.





## PALLET FLOW RACKS

cisco-eagle.com/palletflow



"Flow racks let you store more pallets in less space with a high degree of first-in, first-out inventory rotation. We'll help you specify, lay out and install a rack system that fits your needs."

-Christine, Employee-Owner Since 2015



## Reduce aisle space by 75%

Pallet flow systems include a static rack structure and dynamic flow rails. The rails are a track/roller system set at a decline from back to front so that stored pallets roll into position as pallets at the front are picked.

## **Efficient inventory rotation**

Successfully installed as a part of virtually every storage function, including raw materials receiving and storage, work-in-process, buffer storage, finished goods, order picking and cross docking. Flow rails are powered by gravity, requiring no electricity or other utilities.





## **Pallet Shuttle Systems**

cisco-eagle.com/palletshuttle





## Ideal for high-volume storage & retrieval operations with single-SKU pallets

Shuttles are electrically powered and run on rails installed within the rack structure, and are one of the most efficient ways to reduce forklift use. In cases where a forklift must enter a deep storage lane, shuttles provide safer and more consistent access since forklifts may strike uprights deep in the system. Aside from safety, shuttles are fast—really fast compared to forklift access. They let you group your SKUs by channels instead of lane, creating storage density and flexibility.

## Over-Dock-Door Pallet Racks

cisco-eagle.com/emptypallet

## An out-of-the way place for your empty pallets

Empty pallet storage rack utilizes dead space above dock doors to store empty pallets or other light loads neatly and safely without occupying valuable floor space. The racks are designed so they will not interfere with fork truck traffic. Contact us for assistance designing your dock door storage areas.





## PALLET RACK ACCESSORIES

#### Pallet rack wire decking

#### cisco-eagle.com/wiredecks

Wire decking provides visibility, easier product handling, pallet stability and ventilation. Tough wire construction with underlying metal supports for strength and stability.





## **Defend your rack frames from collisions**

A variety of systems to help defend racks from forklift collisions. Preserve your system with these column protectors.

#### SpeedCell sliding compartments

#### cisco-eagle.com/speedcell

Installs in pallet rack bays to create columns of moving compartments for 100% product accessibility. A wide variety of sizes and configurations makes SpeedCell ideal for order picking applications.

- Store 400+ different SKUs in one rack bay—accessible 100% of the time for picking and replenishment
- Store full pallet loads on higher rack levels while using the lowest level for efficient pick and pull operations
- Access many SKUs in a compact footprint





## Spacers enforce overhang

Bolts to frames of 2-deep rows to enforce overhang and keep rows uniform. 12" or 18" spacers. Use two spacers per frame up to 120" tall and three spacers per frame 144" to 216" tall.



## **Pallet supports**

Nests into step beams to provide flat, flush storage. 36", 42" and 72" sizes. Utilize two supports per pallet position.

## **Rack Falling Item Prevention**

If people work in your rack pallet aisles, it's only a matter of time until something falls.

#### Safety net systems

cisco-eagle.com/racknet



Nets help prevent falling items and protects inventory and people. Netting systems consider total pallet weight, capacity, fall trajectories, impact velocities and weight distribution. We can help you create a safe storage system.

## Safety straps & panels

#### cisco-eagle.com/rackstrap

- Help keep rack loads items from pushing into flue space or falling into aisles
- Keep flue spaces clear and meet fire codes and mounts quickly on teardrop rack
- Sizes: 8', 9', 10', 11' and 12' (custom available)





## Wire mesh "rack back"

cisco-eagle.com/rackback

Reduce product spills with wire mesh rack panels installed on the back of your teardrop rack system for heavy, rigid protection.





## **CANTILEVER RACKS**

cisco-eagle.com/cantilever



"Start with the load-understand how it might sag on the arms and add enough to support it without sagging. Each arm has a listed capacity; if there are two arms with 500 pounds capacity, they'll hold 1,000 pounds. We'll help you figure it all out."

-Kurt, Employee-Owner Since 2017

## Ideal for Pipe, Lumber, Furniture and Other Long and Heavy Parts







## **Extremely heavy duty applications**

We can help you with cantilever racks for the toughest, heaviest industrial applications from tubing & pipe to heavy machinery storage. You can get a rack system designed and built exactly for your needs.

#### **Furniture storage**

Cantilever furniture storage rack has storage shelves and solid decking covering the length of the rack row.



## **Bar Racks**

cisco-eagle.com/barracks

## **Horizontal storage racks**

Handle up to 10' angles, bars, pipes and other long items. Order multiple racks to support longer items by lining up units. Has nine arm levels that extend 9" on 6" spacing.

#### Vertical bar racks

Handle loads up to 12' long. All-welded steel components bolt together for quick and easy assembly. Rack arms extend beyond shelves and act as dividers, creating bays of storage.





## Stackable Racks

cisco-eagle.com/stackrack



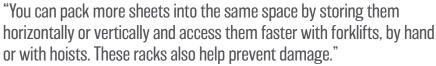
High density storage stores items like pipe, tubing, structurals, extrusions and more. Cut-off lengths can be conveniently returned to storage and easily identified. Stable when stacked and easy to handle.



## SHEET METAL RACKS

cisco-eagle.com/sheetmetal







-Devin, Employee-Owner Since 2020

#### Roll-out sheet racks

Roll-out sheet rack ergonomically stores heavy sheet metal or flat stock loads. Accommodates sizes up to 72" x 144". Drawers fully extend for easy loading and retrieval. Manual roll-out or crank options available. Capacities up to 5,500



pounds per shelf. Various sizes with four to eight drawers are available as well as custom sizes to fit your application.

#### Sheet metal racks

Vertical storage racks improve sheet materials organization and ease of handling while reducing damage.

Horizontal racks store more sheets in a smaller footprint. Multiple levels reduce damage and allow fast picking with 2,000 pound capacities.



## **CRANK-OUT CANTILEVER RACKS**







## Safe and accessible storage for pipe, stock and more

cisco-eagle.com/crankcantilever

With crank-out arm levels that extend to 100% of the arm length, you can easily reach your load with a hoist or other overhead lifting equipment—no more reaching, twisting and struggling to move heavy stock. Just crank out the level you want and easily reach the goods you need with a crane, manually or by other lifting methods.

## **Roll-Out Shelf Racks**

**Effective die/component storage** 

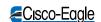
cisco-eagle.com/dieracks







When expensive and heavy machine tooling and dies are stored, they must be handled carefully to retain sharp angles and edges. They can't be slammed around, dropped or mishandled. That means you need to limit the risks involved in handling such items, and one of the best ways is to avoid handling them at all. With heavy shelf capacities, roll-out shelf racks provide excellent storage for dies, heavy machining parts, engines and manufacturing components.





## **CRANES, BALANCERS & HOISTS**

cisco-eagle.com/lifts

## **Cranes for Heavy Lifting**



#### Jib cranes

#### cisco-eagle.com/jib

When materials handling involves repetitive lifting and transfers within a fixed arc, jib cranes are an efficient solution. Can be wall or mast mounted, and feature a variety of types, capacity and rotation ranges. They pair with rails, balancers, manipulators, hoists, hooks and end effectors.

## **Gantry cranes**

#### cisco-eagle.com/gantry

Portable: Roll almost anywhere. Ideal for motors, equipment and other heavy machinery. Adjustable: modify height, span, and tread for use on uneven floors, through doorways, aisles, beneath mezzanines. Track-



**mounted**: for manual or motorized travel over a fixed route. Most gantries are relocatable, making them ideal for rented facilities or future workflow changes.

## **Bridge (overhead) cranes**

#### cisco-eagle.com/bridge

An overhead crane consists of parallel runways with a traveling bridge spanning the gap. May be freestanding or connected to facility structure. Allows overhead crane coverage for a large area. With interconnected parallel systems, you can cover your entire building. Use with hoists, balancers and other end effectors.



#### Air balancers effortlessly handle loads

cisco-eagle.com/balancers





Balancers interact with the operator and multiplies his effort with "float" lifting and built-in safety. Capacities from 50 to 2,000 pounds Vertical travel from 40" to 120". Hooks or a variety of end effectors.

## **Hoists**

#### cisco-eagle.com/hoists

Like balancers, hoists are an ergonomic, safe way to lift and manipulate heavy loads. They allow workers of various physical strengths to work on tasks that may have been previously limited. Chain hoists can be manually, electrically or air powered and will interact with rail systems and cranes.



## **Ergonomic end effectors**

#### cisco-eagle.com/effectors

Effectors use a variety of technologies—clamps, vacuums, probes, traps and hooks—to lift and maneuver loads of any size and configuration.



Vacuum lifters offer your employees a better way to lift. These systems allow workers to maneuver even bulky items sensitively and responsively. They enhance productivity and throughput by allowing people to handle products at uniform speeds, as well as reducing waste due to breakage.





## SCISSOR LIFT TABLES

cisco-eagle.com/scissorlifts



"One of our clients designed their operation so that anyone—whether built like a linebacker or a ballerina—could physically handle any job. This reduces injuries and physical stress, and creates labor flexibility and safety."



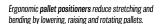
-David, Employee-Owner Since 2019

## Bishamon Lifts & Positioners

cisco-eagle.com/bishamon









Low profile lift table: Low collapsed height provides access for pallet jacks and is also great for conveyor transfer.



X-Series compact lifts used in machine tool and production line activities requiring heavy-duty lifting and positioning.



The UniLift lifts standard pallets without straddling. Positions and transports standard CMA pallets & skids.

#### **Autoquip heavy duty industrial lifts**

cisco-eagle.com/autoquip

Autoquip manufactures heavy-duty and custom industrial lifts for every application. Standard models include double-width, extra long platforms, double-height and narrow platforms. Custom scissor lifts, tilt and turning equipment are a speciality.







## **Dock Lifts: Any Dock, Any Truck**

cisco-eagle.com/advance

Utilize Advance dock lifts when you need to accommodate loading a variety of vehicles at your facility even when there is no loading dock. Load any kind of truck at nearly any kind of dock. Types include pit mounted, surface mounted and portable.



## Southworth PalletPal rotates, lowers, raises pallets

Whether spring actuated, hydraulic or pneumatic, positioners keep the load at the right height and position to make pallet handling more ergonomic, more efficient and faster.



## Stackers & transporters

cisco-eagle.com/stackers

Stackers transport without a forklift. Move loads from dock to storage areas and back, or to elevate them onto work platforms or dock areas. Choose manual, powered or counterweight models for complete versatility.







## VERTICAL CONVEYORS MOVE LOADS BETWEEN LEVELS

cisco-eagle.com/vrc



"Moving loads on and off elevated platforms like mezzanines can be accomplished several ways—vertical conveyors, spiral or inclined conveyors or a forklift. VRCs have relatively small footprints with fast throughput and easy conveyor integration. They handle pallets, packages and anything in between."

-Christine, Employee-Owner Since 2003

A Vertical Reciprocating Conveyor (VRC) moves materials in factories, warehouses, industrial plants, institutions—anywhere you need to move materials from one level to another. They provide efficient, convenient and safe access to or from mezzanines, balconies or basements, and between levels in multiple story buildings. They can be installed for through-floor, interior or exterior applications.

A VRC platform may be equipped with a powered roller conveyor assembly, a gravity conveyor with a drop lock assembly, a chain transfer conveyor assembly, a turntable device and/or a pusher assembly and can interface with conveyor lines, single or multi-level rack system or a transport.



Hydraulic vertical conveyors provide reliable, economical vertical lifting for mezzanines, balconies and other two-level applications.

#### **Mechanical lifts**

Mechanical vertical reciprocating conveyors offer versatility and dependability for high-speed and multi-level applications and for moving large, heavy loads. Mechanical VRCs offer durable, heavy-duty construction and maximum flexibility.

## **Fully automated VRC systems**

Fully automated vertical lift systems provide an efficient, reliable way to transport materials in an automated manufacturing or warehousing operation. They are custom-fit to your application, ranging from simple two-level applications to sophisticated multi-level, multi-directional systems.

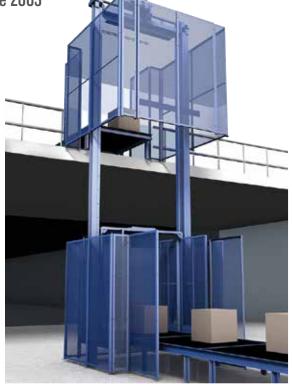
## **Custom designs**

Vertical lifts can be designed to move materials that weigh 10 to over 100,000 pounds, with carriages from 30" x 30" to 30' x 30' and vertical rise heights from 4' to over 200'. We've built large load working platforms, over-and-under equipment for assembly lines, hopper transfer systems, just to name a few. If you are faced with a difficult or unusual vertical lifting application, contact us. Whatever the size, speed and vertical height your application demands, we'll help you develop the best solution.

Certified service, maintenance and installation

Count on our Field Services group to install, maintain and service your vertical conveyor.











## **MEZZANINES & WORK PLATFORMS**

cisco-eagle.com/mezzanines

shoptalk

"Rack supported mezzanines are platforms supported by shelving or racks rather than structural legs. You can build any kind of storage—support a platform with any kind of shelves, in most any configuration. Let us show you how."

-Alex, Employee-Owner Since 1995





## Structural Mezzanines: Engineered Work Platforms

Add space at a fraction of new construction cost by utilizing more facility height. High strength, zinc plated steel bolts integrate with heavy-duty steel angles to align the framing for uniform installation. Excellent for warehouses, manufacturing facilities and other areas where more space is needed. Mezzanines can take virtually any shape.



Structural mezzanines are offered in a number of configurations and decking options. Above: roof deck. Below: Bar grating. Many other decking options are available to meet any application.





#### **Handrails**

IBC code covers most of the United States. Check local building codes to be certain your area is IBC. Some geographic areas may have different requirements. We can assist you with code compliance.











## Frame options

Bolted C-Section: Small-medium mezzanines up to 200 PSF (pounds/square foot); 20' span limits. Beam & C-Section: Small-medium mezzanines up to 200 PSF; 20' span limits. Beam & Beam: Small-medium mezzanines, unlimited capacity, any span size. Beam & Bar Joist: Medium-large mezzanines up to 300 PSF; limited composite heights. Truss Girder & Bar Joists: For large mezzanines of any size up to 300 PSF; limited composite heights.





## **High-Density Storage Mezzanines**

cisco-eagle.com/rackmezz

cisco-eagle.com/shelfmezz





#### **Shelf-supported platforms**

Shelving is an ideal structure for two-level storage facilities for maximum storage density. Shelving mezzanines are perfect for small parts picking. Shelves are adjustable and heights can be customized to meet your space.

## **Rack-supported platforms**

Rack supported platforms can use carton flow and pallet flow to create pick modules. Rack mezzanines offer pick module integration and multiple storage levels for truly concentrated inventory. A variety of decking is available to match the application.









Guard against accidents with mezzanine safety gates

cisco-eagle.com/mezzgate

Cates occupy a small footprint and protect workers and material from falling off the mezzanine. Check our website for a variety of gate options.

## **ErectaStep Modular Platforms**

cisco-eagle.com/erectastep

Create maintenance platforms, ladders, catwalks, crossovers and other structures with completely modular system. Easy to assemble, reconfigure, move and install.



















## IN-PLANT OFFICES & MODULAR BUILDINGS

cisco-eagle.com/buildings

When business changes create space demands, modular buildings deliver space and functionality when and where you need it—at substantial savings.

- No need for an engineer or architect—or the hidden costs that includes
- Seals against dust and airborne debris for production and office areas
- Pre-finished walls require little maintenance beyond the occasional surface cleaning.
   Reinforced cavity and quality facings to reduce the chances of damage
- Sound resistant panels provide a substantial noise reduction
- Accelerated depreciation—half the time of conventional construction





"Add climate-controlled workspace in your plant at a fraction of the cost of new construction. Modular buildings adapt to almost any space, application or environment. They install fast and are highly versatile."

-Blake, Employee-Owner Since 2019

## Clean Rooms/Grow Rooms



#### **Controlled environments**

Maintain strict environmental control in your facility while creating a hygienic environment free from pests. Modular buildings can be engineered for a variety of functions, including cultivation, medical, pharmaceutical and more.

## **Full integration**

You can build clean rooms with a variety of components, including partition walls, pass-throughs, air showers, lighting/ventilation systems, windows, doors and storage systems configured to match.

## **Booths & Shelters**

cisco-eagle.com/booths





High-durability aluminum modular booths are both fast to implement and affordable. Shelters are certified welded at all intersections to create a unitized framework with no rivets, bolts or fasteners. With standard sizes from 3' x 4' to 8' x 16', you can get a booth for virtually every space need and budget.



## BINS, TOTES AND CONTAINERS

cisco-eagle.com/containers

"Whether it's a full warehouse, a small picking area or a kitting operation, we can help you specify the right solution-integrated systems with cabinets, workstations, mezzanines or shelving."

-Don, Employee-Owner Since 2017





## **Poly & Plastic Bins**

#### cisco-eagle.com/polybins

A variety of bins from stock to food-grade tubs and dividable bins that help you keep small parts segmented and easy to find, as well as louvered panels, cabinets and hanging rails are available.



Compartmentalize, organize and

nrotect small to medium parts. configure dividers as needed.

Organize bins with rail systems.





Shelf bins slide in and out of shelving for faster picking and assembly









Nesting tubs store conveniently and are drilled to allow drainage. USDA and FDA approved for food

Organize bulky loads with stacking bins up to 30" deep.

## **Steel Containers & Hoppers**

cisco-eagle.com/steelbins

#### Stackable, foldable wire **bulk containers**

Rugged containers have 4-way entry for easy forklift use, convenient full-width drop gate design for easy load access and safety rating plates with static load capacity and static load height. Open wire mesh construction ensures products are always visible.





#### **Round-corner corrugated** steel containers

Stacking feet let containers stack safely and easily up to four high. Often used for scrap metal, hardware and heavy applications.

## **Self-dumping hoppers**

#### cisco-eagle.com/hoppers

Creat for in-plant housekeeping. A wide variety of sizes and models are available. Constructed tough with steel body and formed steel base for a long service life. Fill them up with everything from trash to scrap metal and move and dump.



## **Workingtainers**

Containers feature an adjustable hopper door and stack up to six units deep, which can increase floor storage capacity by as much as 500%. Capacity: 4,000 pounds. Features a heavy-duty tubular base and corner posts for durability and ergonomics.







## **INDUSTRIAL SHELVING SYSTEMS**

cisco-eagle.com/shelving



"The shelving you need depends on what you're storing. Steel shelving is versatile with lots of options. Rivet shelving is more economical, easier to assemble and heavier. Wire shelving has a finished appearance."

-David, Employee-Owner Since 2005



## Rivet Shelving: Heavy-Duty, Versatile Storage

cisco-eagle.com/rivet



Rivet shelving is one of the most versatile storage methods available. It's easy to assemble. From a few standard components, you can create a stable, heavy-duty storage solution for just about anything. It assembles quickly and easily using only a rubber mallet. You can have a working shelf in just a few minutes. Standard sizes run from 48" to 96" wide, and from 18" to 42" deep with capacities up to 1,500 pounds each shelf. Choose low profile or long span styles.





## Store, organize and protect record storage boxes

cisco-eagle.com/recordstorage

Your vital boxed records are kept safely off the floor in a high capacity shelving unit that provides years of reliable storage. Since it doesn't have cross bracing, rivet shelving allows you to pull boxes from either side, even from the middle of your shelf.

## **Rivet Shelving with Bins**

Since the shelving has no side or X-braces, you have access to stored material from all four sides for real convenience. Remove, restock and stack the included bins to meet your needs. Bins are built to last with heavy, high-density FDA-approved polypropylene/polyethylene to handle your bulk loads. They are easy to clean and resist rust, corrosion and most chemicals.





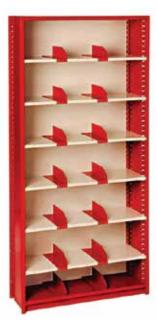




# **HEAVY-DUTY STEEL SHELVING**

cisco-eagle.com/steelshelf









# **Modular Drawer Shelving**

Reclaim up to 70% of floor space and increase organization with modular drawers

cisco-eagle.com/shelfdrawers

Place lockable and dividable drawers in new or existing shelving to create organized storage where only flat shelves existed before. Store cartons or boxes on shelves above the drawers, and small parts in your modular drawers. Drawers improve room aesthetics: instead of a jumbled collection of sloppy-looking bins, you have brightly painted, easy-to-clean, orderly modular drawers.



# Steel Shelving & Storage Bins

Store bulk parts in shelving with Magnum "giant" open hopper bins

Open hopper fronts let you easily see what's inside and allows instant access. Store and organize heavy, bulky hardware, tools, components and parts in this ultra-heavy-duty shelving system with stackable open-front bins.





# Shelving with open hopper front bins

Heavy duty shelving has 400 pounds capacity per shelf. V-lock shelves let bins tilt out for easy picking and handling. Shelving has a smooth powder coat gray finish.



# Shelving with open-front hoppers for easy pull-out access

Because these shelves include heavy-duty giant stacking bins with open hopper fronts for easy access, you'll be able to store bulk quantities. Bins stack up to six high, even fully loaded. Shelves offer 400 pounds capacity each.



# **MOBILE AISLE SHELVING**

cisco-eagle.com/mobileaisle





"Mobile shelving eliminates aisle space so you can fit ten rows of it in the same space as six conventional shelving units—a space savings of 40%. That storage density can be critical anywhere space is short."

-Missy, Employee-Owner Since 2016





# Why mobile aisle systems?

Eliminate walkways and reclaim space while making it easier to stock and pick with a mobile aisle system. Walk time is reduced as space is reclaimed. Systems allow you to free valuable floor space for other operations without sacrificing storage capacity or flexibility. You can design your system with a variety of shelf types, modular drawers, cabinets and accessories.

# "Lazy Susan" Rotabins Rotary High-Density Bins

cisco-eagle.com/rotabins

### Never worry about parts being lost in the shadowy back of a shelf

Rotabins are space-efficient because they concentrate loose parts into less space than shelving. They let you pick more parts quicker while standing in one spot than bins, shelving or flow rack. Parts are easier to see and reach, so you save walk time for order pickers because they can rotate shelves to suit them. Ideal for production areas, maintenance rooms, warehouses, parts counters, hardware stores, assembly operations and more.



# **WIRE SHELVING: IDEAL AIR** & LIGHTING CIRCULATION

### cisco-eagle.com/wireshelf

Wire shelving offers excellent durability with high shelf STORAGE loads, and is excellent for multiple applications in any industry, including distribution, storage, commercial and retail. Because of its wire construction, wire shelving doesn't collect dust or block sprinkler systems. With simple modular assembly, literally hundreds of configurations are possible with standard wire shelving components.

- · Rust resistant for easy maintenance and durability
- Easy to clean. Does not block water from fire sprinklers
- Chrome provides an attractive, long-lasting finish over hardened carbon steel that makes the steel resistant to rust. Proform is an economical solution for high humidity applications
- Carbon steel is treated with iron phosphate, then a hybrid antibacterial epoxy is electrostatically applied, making the shelving highly resistant to humidity





# SHOP, SECURITY AND STORAGE CABINETS

### cisco-eagle.com/cabinets











# Visibility cabinets provide lockable security; allow easy inspection

cisco-eagle.com/stronghold

Equipped with clear polycarbonate windows on clearview models and diamond-shaped perforation on ventilated models, cabinets are perfect for storing valuables and tools and let you keep an eye on them.

# **Ultra-heavy-duty storage cabinets**

Built with 12-gauge steel to last a lifetime. Adjustable, 14-gauge adjustable shelves with up to 1,900 pounds capacity. The three-point locking device includes a hasp built into the handle for quick padlocking. Thick, 7-gauge legs are welded on.

# Cabinets with shelving & drawers

Secure lockable cabinets let you store heavy tools, fittings, bulk items. Features adjustable 14-gauge shelves with up to 1,900 pounds capacity each that can be adjusted in 2" increments. Full extension drawers deliver 225 pounds capacity per drawer.









"For secure organization and storage, you can find cabinets for every application and the expertise to help you find the right one. If you need a custom solution, we'll help you find it."

-David, Employee-Owner Since 1980



# **Bin Cabinets**

To prevent theft, start with access. You can build security into storage with lockable cabinets that don't compromise on storage density. Keep valuable inventory, small parts and tools organized and securely locked away.









# Safety cabinets for flammables, acids & more

Protect workers, reduce fire risks and improve productivity by storing hazardous liquids in code-compliant safety cabinets. Designed to meet OSHA and NFPA standards, cabinets are constructed of sturdy 18-gauge double wall, welded steel.



# MODULAR DRAWER CABINETS FOR VERSATILE STORAGE



### cisco-eagle.com/rousseau

### Save space and increase organization

Modular drawer cabinets help organize and store parts, components, hardware, tools and inventory more effectively and in less space. They boost storage room, parts room and maintenance area storage efficiency.

### High density, high security

Each drawer—even when fully loaded—can open its full depth and full 400-pound capacity. Tested by an independent laboratory, the Rousseau drawer is ranked as the most durable on the market, with a lifetime warranty on the rolling mechanism.





# Compartment and drawer cabinets for small parts storage

### cisco-eagle.com/durham

Steel drawer cabinets are perfect for small parts that tend to get mixed up with other parts, dropped or lost when left in open bins. These drawers accept dividers in 1" increments. Full-width handles are easy to grip and pull. Also available in bin storage varieties, without the drawers.

# High-Capacity Worktables and Benches Handle the Tough Loads

cisco-eagle.com/heavybench



Heavy-duty worktables are ideal for the most brutal, highest capacity tasks. They come in a number of configurations, including models with drawers, lower shelves, side guards, back panels, bin areas and more.





# INDUSTRIAL WORKBENCHES & STATIONS

cisco-eagle.com/workstations



"A workbench should help people get more done with less motion while they work more comfortably. We'll help you design exactly the right solution—even for demanding workflows and tight spaces."

-Cameron, Employee-Owner Since 2016





# **BOSTONtec Workbenches**

### cisco-eagle.com/bostontec

Help workers make the most of their time with workstations configured for the exact tasks at hand. BOSTONtec work surfaces provide the foundation for picking, assembly, shipping, packing and even light manufacturing through the addition of bin rails, shelves, spool rods, monitor display arms, CPU holders, electrical power strips, drawers, fabric and whiteboard back screens, overhead lighting and more.









# **WIRE SECURITY CAGES & PARTITIONS**

cisco-eagle.com/partitions

# The Standard for Inventory and Tool Security

# WireCrafters

Warehouses and manufacturing facilities use wire partitions for tool cribs, maintenance cages, machine guarding and general inventory storage areas. In addition, wire partitions are utilized in data centers for security and separation of computer servers and to divide server areas. We can help you design and implement precisely the right secure storage area for your needs.



"Wire partitions let you see what's going on inside and allow climate control and lighting to flow. Mesh cages conceal the hardware and have a broad range of lock options, so you design your security cage exactly the way you want it."

-Tina, Employee-Owner Since 2012



shoptalk



### **Cates, Doors & Locks**

- Hinge gate: 3'W x 7'3%"H with a transom panel sized to match partition height.
- Sliding gates (4' or 5' wide) are full cage height.
- Options: service windows, vertical rise gates, dutch windows, wall-mounted shelves, tunnel doors and more. Colors can be customized.
- Lock options: cylinder, coded card reader, 10-digit keypad, 5-button coded access lock, deadbolt lock, electric strike lock, mag lock, biometric readers and other options available for your security needs.





# Driver/dock door cages



### cisco-eagle.com/drivercage

Driver cages help you control access to your dock and warehouse areas by enclosing personnel entry doors. They help prevent truckers, salespeople and other visitors from entering your stock areas or walking into active fork truck traffic aisles or automated machinery work cells.

# **Datacenter/colocation cages**



### cisco-eagle.com/servercage

Wire partitions are ideal for datacenter and server security. Divide entire hosting facilities with the easily reconfigurable panels, doors and cages. Open but secure design allows free circulation of light, HVAC and fire suppression systems.

# **Prisoner holding cells**



### cisco-eagle.com/holdcage

Prisoner holding cells: used by correctional and detention centers across the country. Partitions are ideal for temporary confinement while prisoners are being processed or detained for a short period of time.





# PLANT SECURITY EQUIPMENT

cisco-eagle.com/security

"Control access to dock doors and other entry points with folding gates. They're great for secure ventilation at open dock doors.

Galvanized gates withstand weather and are rust-resistant."



-Steve, Employee-Owner Since 2018



# **Folding Security Gates**

cisco-eagle.com/foldgates

Single & double folding gates - from 3' to 22' openings: Control access and maintain visibility while retaining the ability to quickly open or close any opening. Built with steel webbing for air circulation and visibility during the day and tight security around the clock. Cates pivot 180° on their mounting, so they're completely out of the way.

**Door gates secure doorways and openings less than 48**": Door gates fit smaller door openings than standard folding gates. They can be mounted on the left or right side, in the casing or on the door facing. Maximum width is 48".







**Portable gates provide instant**, **mobile security**: Portable gates expand and lock to close off almost any opening. When not in use, simply fold up, roll away and store in closet. Starter gate expands to 12'. You can add an unlimited number of 6' adder gates to create a barrier exactly the size you need. Gates are locked to a wall at each via a padlock hasp.

# Protect valuables from pilferage with wire security cages

2" x 2" mesh construction finished in chrome. Heavy-gauge open-wire construction keeps contents visible for quick inventory checks. Cages are plated with a durable easy-to-clean finish. Choose stationary, mobile or smaller countertop security cages.



# Wire & bulk storage lockers

cisco-eagle.com/foldingguard





Lockable bulk lockers provide secure storage. Heavy-duty construction ensures years of maintenance-free performance. Wire mesh design allows for quick visual inspection and will not block sprinkler systems.

# Pallet rack security systems

cisco-eagle.com/racksecure





We can help you secure inventory within a pallet rack bay, with lockable wire caging or solidside enclosures.



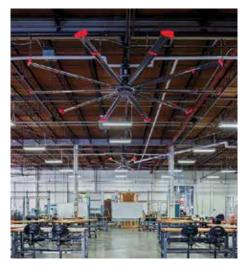


43 EXCEPTIONAL SERVICE BY EMPLOYEE-OWNERS

# **HVLS FANS: EFFICIENCY, COMFORT & CLIMATE CONTROL**

### Powerfoil X3.0

The most innovative HVLS fans in the world deliver superior air flow for a broad range of industrial applications. (Diameters: 8' to 24'.)





### **Powerfoil 8**

Eight-blade fans are ideal for large industrial, dusty, difficult areas like factories and warehouses. Diameters from 8' to 24'.

### Basic 6

Six-blade fans are an economical choice for many applications, delivering exceptional air movement at a great price. Choose diameters ranging from 8' to 24'.







### cisco-eagle.com/hvls

"NASA studies tell us that at 80° temperatures, worker output falls 8% and accuracy 5%. It gets worse at 85°— productivity drops 18% and accuracy 40%. At 90°, productivity plummets 29% while error rates jump 300%. Workers who are more comfortable get more done and make fewer mistakes."

-Brad, Employee-Owner Since 2013

HVLS large ceiling fans move massive air volumes at low speeds. The low speed delivers gentle air movement rather than disruptive wind, which effectively distributes airflow over a large area. HVLS fans are ideal for warehousing, manufacturing and distribution.

# Mountable fans for racks, columns and more

<u>AirEye</u> fans mount on pedestals, ceilings, i-beams, walls or swivel mounts. Sensors detect empty zones to control the fan. <u>Pivot 2.0</u> fans cool tight workspaces up to 120' away with 73 airflow positions. Install them on beams, ceilings, columns—virtually anywhere.









# Directional fans move massive amounts of air—indoors or outdoors cisco-eagle.com/fans

- AirCo 2.0 fans are 8' diameter and deliver maximum cooling power and can be fitted with misting options.
- Black Jack fans are 6.5" diameter and fit through standard interior doors or warehouse aisles.
- Both are fans are easily portable, nearly silent and include five-year warranties.





# WAREHOUSE GUARDRAILS shop tolk

cisco-eagle.com/guardrail



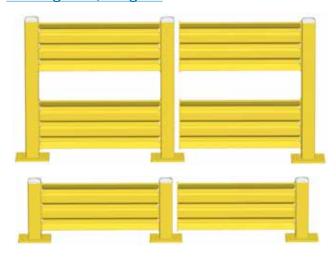
"Impact ratings measure how much impact force a guardrail can take. Ratings are established at certain speeds, weights and angles. Be sure you understand how your guardrail was rated and if it can survive impacts it could suffer in your facility."

-Lance, Employee-Owner Since 2019

# **Steel Guardrails**

cisco-eagle.com/steelguard





# Visibility, strength and easy installation

Protects conveyors, racks, work areas, walls, in-plant offices or any area where forklifts operate near people, inventory or equipment.

- Posts: 4" x 4" x 1/4" structural steel tube posts with 10" x 10" x 5/8" base plates pre-punched for anchoring. Posts function as either corner or center posts for easy installation.
- Rails: corrugated (3-rib) 11-gauge high strength steel rails, 14" high x 2-1/2" deep with a three-bolt connection on each rail end.
- Finish: highly-visible powder coat safety yellow. We offer gates, lift-out rail connectors and more.

# **Bollards for solid steel protection**

cisco-eagle.com/bollards







# Flexible Guardrails

cisco-eagle.com/flexrail





Flexible rails absorb and dissipate collision impacts, then return to original shape, helping prevent damage to the lift truck, the rail, anchor points or the floor structure—all while protecting people, equipment and inventory. Available in floor-level, two-level barriers, pedestrian handrails and handrails with a floor rail.



# Pipe guardrails

Made of tough schedule 40 and 80 steel pipe sleeved with durable, bright yellow polyethylene sleeves for long life and high visibility. Removable and reusable as plans change. Never paint; pipe guardrails wipe clean. Load tested up to 2,000 pounds.







# AISLECOP® FORKLIFT SAFETY SYSTEMS

cisco-eagle.com/aislecop



# Forklifts and pedestrian dangers

Forklifts cause 100 deaths and tens of thousands of injuries every year. Wherever forklifts and people mingle—warehouses, factories, distribution centers and industrial facilities—people are at risk.

# AisleCop® detects traffic and manages the intersection

AisleCop® manages pedestrians and forklifts in configurable traffic management plans. AisleCop® makes blind corners, entry doors and busy aisles safer by managing pedestrians and industrial traffic. Limited-visibility and high-traffic areas are ideal for AisleCop®.

# Pedestrians in Peril Pedestrians struck by forklift Pedestrians crushed by forklift Fall from forklift Forklift overturns 22% 16%



### **How it works**

Highly configurable system works with your traffic management and safety plans. You decide default gate positions, timing and traffic rules. AisleCop® uses precision motion detection and intelligent controls to manage crossings. If forklifts are present when a pedestrian wants to cross, the gates remain closed; if the aisle is clear, the system deploys warning lights and audible alarms before opening. Once pedestrians are clear, gates close behind. You can also restrict forklifts, depending on your traffic patterns and needs.

# **INDUSTRIAL SAFETY SPECIALISTS**

cisco-eagle.com/safety



"Our Safety Automation Group helps separate people from forklifts where possible and make the interactions safer when it isn't. We'll help you find solutions that work with—not against—your processes and workflow."

-Markus, Employee-Owner Since 2013





# AisleAlert Automated Safety Systems

cisco-eagle.com/aislealert



Ceiling-mounted motion detection systems help prevent collisions by flashing a bright warning light onto the floor when traffic approaches from at least two directions. AisleAlert triggers only for converging traffic.

# System details

- · Hanging sensor covers any crossing point
- Adjustable motion sensors with 26' range can be mounted remotely—two, three or four directions.
- · Lights for added visibility
- · Tested prior to shipment
- Can be integrated with other safety systems











# 360° PEDESTRIAN DETECTION & WARNING SYSTEMS

cisco-eagle.com/zonesafe



shoptak

"Motion sensors are great for monitoring specific areas, but there are situations where you can't rely on guarding just a defined zone. ZoneSafe works in most any situation. People wear transponder tags that warn forklift drivers; they can be anywhere in range, and the system works."

-Susan, Employee-Owner Since 2010





# **FORKLIFT SAFETY ACCESSORIES**

# GenieGrips®

cisco-eagle.com/geniegrips





### Fork covers

Treaded rubber covers a tine's full length. With six times the gripping strength of bare metal, they help prevent load slipping.



# **Rubber fork caps**

Steel-reinforced rubber fork caps blunt the sharp ends of metal forklift tines so they don't gouge products or puncture containers.



# **Back bumpers**

Rubber bumpers absorb impacts during loading and transport. Guards products from damage due to contact with bare metal tines.

# Forklift warning lights

cisco-eagle.com/bluelights

**Front/back lights**: precedes the forklift with a bright visual warning.

**Side warning lights:** marks safe distance around forklifts and protects against rear swing accidents.

Arc lights: bright LED lights cast an arc pattern on the ground that indicates the danger zone in front of or behind forklift.

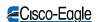


# Laser tine guides

### cisco-eagle.com/tineguard

Aligns with fork tines and shines on the pallet or rack beam in front of the forklift to help prevent damage to rack or loads.







# **WAREHOUSE SAFETY SENSORS**

### cisco-eagle.com/sensors

- Dock sensors: Alert pedestrians and equipment operators of motion inside trailers.
- Exterior loading dock alarms: These help warn drivers and workers that people are between truck trailer and the dock with audible and flashing strobe light alarms.
- Safety mirror sensors: This technology blends a visibility mirror with integrated LED signs that flash with directional arrows showing where the traffic is approaching.
- Triggered signs and projector systems: Many options and types available.
- **Door motion sensors:** Wall-mounted sensors help alert pedestrians and forklift drivers of motion near pedestrian door openings.













"Sensors help people see their environment faster and better so they can make safer decisions. We'll help you design a plan for your facility, including exclusion zones, guardrails, sensors, gates and more."

-Taylor, Employee-Owner Since 2006





LightCop projects high-resolution LED images to floors and walkways to help prevent forklift accidents. The LED lasts up to 45,000 hours and replaces the need for floor tape or paint that peel, chip or wear away. Includes the projector, mounting hardware and the glass projection disc that reads "CAUTION FORKLIFT TRAFFIC."







DockRight creates bright laser lines to help drivers back up to dock doors. Bright red or green lines remain visible above snow, dirt or debris that would cover up painted dock striping. Systems can also be used indoors.



# Low clearance alarm bars with sensors

The Watchman is a low clearance alarm bar that warns forklift operators and management of potential collisions between forklifts and overhead doors and fixtures before they happen.







# **DOCK EQUIPMENT**

cisco-eagle.com/docks



"Loading docks are where everything is received—and eventually shipped. They're the bridge between you and your customers. The right setup gives you an overall faster, safer and more efficient operation."

-Colin, Employee-Owner Since 2013







High-speed doors



Door protectors



Strip doors



Vinyl curtain wall systems

### **Doors and egress management**

cisco-eagle.com/doors

Do you need to fully or partially seal a door? Whether this is for security, safety, environmental controls or other reasons, we can help you find the right solution. We work with companies of all sizes to help them get better control of their egress points using a variety of door systems, ranging from high-speed to strip doors, security and pest control systems and many more.



# **Dock Edge Safety Gates**

cisco-eagle.com/dockgates



Open dock doors mean a dangerous ledge, but fall protection gates let you guard that edge while your doors are open. Many options are available that allow you to manage the way the gates open, swing, lift and rotate to match your needs and operation.

Most gates are painted safety yellow for improved visibility and meet the 200 pounds OSHA 1910.23 standard.

# **Dock bumpers**

cisco-eagle.com/bumpers

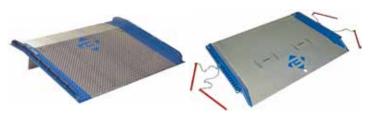




Laminated: made of laminated rubber pads and structural steel, bumpers absorb up to 80% of impact. Extruded: one-piece solid rubber for medium- to heavy-duty protection. Molded: protect low traffic docks and in-plant walls.

# Dockboards & dockplates

cisco-eagle.com/dockboards





# **Yard Ramps**

### cisco-eagle.com/yardramps

- Yard ramps perform one of two functions: ground up into a truck bed or from the dock level down to the ground.
- The capacity you select must be greater than the combined weight of your heaviest forklift and the heaviest weight of anticipated loads it will carry plus a safety factor.
   We recommend starting with three times the rated capacity of your lift truck.
- The operator utilizes a self-contained, double-acting hydraulic pump to adjust the unit to the proper position. In minutes you are ready to load or unload freight.



# **WAREHOUSE LADDERS & PLATFORMS**

cisco-eagle.com/ladders



**Rolling ladders** 



Truck & dock platform ladders



Mobile platform ladders: 20" to 50" tall



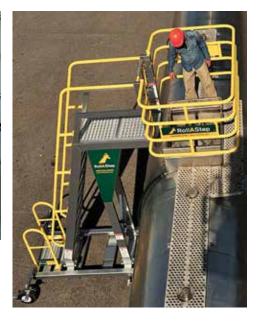
Ladder & stocking carts

# **Modular Mobile Platform Systems**

cisco-eagle.com/rollastep









# INDUSTRIAL CASTERS & WHEELS

cisco-eagle.com/casters



"Casters usually fail because the wrong rig, bearing or wheel was specified. High temperatures, impact loading, towing speeds, oils, chemicals, moisture, airborne debris, overloading—any of it can cause a caster or wheel to fail."

-Derek, Employee-Owner Since 2020







### **Aerospace applications**

Is it frightening for a set of casters to carry a fragile, \$300,000 component? Not if those casters are specified correctly—which is what our specialists do. Solutions range from engine dollies, panel trucks and maintenance platforms to nose stands, tire carriers and landing gear carriages and more.



### **OEMs and fabrication**

Casters are built into equipment such as tables, carts and stands. We work with manufacturers and fabrication companies to specify long-lasting, smooth-rolling solutions.

# **Typical applications**

- · Warehouses and shops
- **Bakeries**
- **Aluminum extruding operations**
- Paper, pulp and tube manufacturing
- Automotive/truck manufacturing
- Medical/hospital operations
- Aerospace manufacturing and maintenance
- Tire manufacturing
- Fabrication/special products
- Dumpsters and bulk containers





# **Tire manufacturing**

The demands of the industry demand ergonomic casters. The start-up force (the energy it takes to initially move a wheeled product) must be low, since carts are critical in tire operations. Casters must perform in towed applications, which can be tough in the environment.

# Special application casters

We help specify special manufacture, high-capacity casters that can carry massive loads. If your caster requirements dictate fast availability, we can help you get the rigs and wheels very quickly and with the high quality you require.



# Stem, hospital and light-duty casters

We can assist you with smaller casters for carts, stands for medical and other applications that don't require heavy-duty rolling power.





# **CASTER TYPES**



### 45 Series casters

### cisco-eagle.com/45series

Capacities to 1,200 pounds; 5-1/4" to 9-1/2" heights. The most-specified caster for industrial, heavy-duty applications. Tough, versatile and economical for everything from carts to machinery to bins.

### **50 Series casters**

Capacities to 1,400 pounds, heights to 9-1/2". Serves a variety of in-plant uses, ranging from carts, bins and heavy equipment to stands and machinery. Large top plate size (4-1/2" x 6") provides stability.





# **65 Series Kingpinless™ casters**

### cisco-eagle.com/65series

Capacities to 1.800 pounds, heights to 10-1/8" with 4.5" x 6" or 4" x 4.5" top plates. Kingpinless™. The durable workhorse for highstress, high-capacity applications.

### 75 & 76 Series casters

### cisco-eagle.com/75series

75 & 76 Series casters are for the most demanding applications and are available in 2-1/2" and 3" wheel widths, with capacities up to 6,000 pounds for heavy-duty loads.



# 85 Series Kingpinless™ casters

RWM's 85 Series caster features the patented Kingpinless™ design. The 85 Series offers capacities up to 10,000 pounds. Available with wheels from 6" to 12" in diameter, 3" to 5" wide with heights up to 15-1/2".

# 95 Series Kingpinless™ casters

### cisco-eagle.com/95series

Capacities up to 20,000 pounds with a wide variety of heavy duty wheels to maximize capacity. Available with wheels from 6" to 16" in diameter, 2-1/2" to 5" wide and up to 19" tall.







# Kingpinless™ casters for the toughest loads

Kingpinless™ casters are a combination of brute strength, feather-light maneuverability, super smooth rollability, stubborn durability and acrossthe-board adaptability. They eliminate the weakest part of the swivel rig-the kingpin-and replace it with a precision-machined raceway that reduces wear, improves swivel action, reduces maintenance and provides longer service life.











# **Wheel Types**

cisco-eagle.com/wheels

Many other wheel types available.

- <u>Urethane</u> on poly: non-marking, smooth ride for rough surfaces; solid: ideal for high-moisture applications; on aluminum: non-marking wheels have outstanding abrasion, oil and chemical resistance
- Forged steel: for demanding conditions, heavy loads
- Cast iron: ideal for rough concrete, wood block and littered floors
- V-groove: straight line on inverted angle track
- Rubber on iron: floor protective wheels ideal for towline applications; on poly: durable, non-marking, chemical/oil/solvent resistant
- High-temp nylon: impact resistance
- Phenolic: water resistant for almost any floor
- Polyolefin: water, chemical and impact resistance

# 125 Series Kingpinless™ casters

RWM's 125 Series features Kingpinless™ construction, heights up to 23", and capacities up to 43.000 pounds. Typical applications include ground support equipment, die carts and aircraft engine stands. Wheels from 8" to 20" diameter, 4" to 6" wide.



### **Dual wheel casters**

### cisco-eagle.com/dualwheel

Dual casters spread heavy loads across two wheels per caster. Along with improved load distribution you also get higher load capacities and better floor protection. Available in 65, 75, 76, 85 and 95 series casters. Ergo CT: the ultimate wheel for superior rollability.







# CARTS, TRUCKS & MOBILE HANDLING

cisco-eagle.com/carts

### **Hand trucks**

### cisco-eagle.com/handtrucks

Hand trucks are one of the easiest, most common methods to transport cartons. boxes and other loads. We offer a variety of configurable aluminum and steel hand trucks, as well as specialized drum handling, convertible (folds into a cart) and other hand truck options.



# Pallet jacks

### cisco-eagle.com/jacks

- Standard for general warehousing
- Low-noise for quiet operations
- Integrated with scales
- Freezer jacks withstand extreme cold
- · Powered pallet jacks move heavy loads



cisco-eagle.com/platformtrucks

Heavy-duty steel platform trucks are reinforced with steel crossbattens to evenly distribute loads of up to 2,000 pounds.

Corrosion-resistant aluminum platform trucks are lightweight but carry capacities to 2,600 pounds.

Versatile wood platform trucks are built from 1" thick kiln-dried oak decks. Handles the toughest industrial and warehousing applications up to 2,500 pounds.





# **Security trucks**

Protect packages or incoming shipments on the dock, in warehousing, retail or commercial applications. Creat for staging and other areas where items are vulnerable to theft and pilferage.



### A-frame carts

A-frame trucks carry and protect plywood, drywall, sheet metal, glass and other large, bulky sheet or panel materials as they're transported. Sheets lean against the "A" and don't suffer compression.

# Aluminum carts & trucks

cisco-eagle.com/newage



Lightweight aluminum carts and trucks for clean-room, washdown and food handling applications. Ideal for order picking operations.



### Steel shelf trucks

The functionality and storage capacity of steel shelving, with the convenience and mobility of a cart. Steel shelf trucks have "lip-up" shelves allowing you to move small bulk items or parts without them rolling off.

# Tuggers & Trailers

cisco-eagle.com/packmule

All-electric Pack Mule vehicles transport people, products and stock with ease.

- · Towing vehicles
- Stock & burden carriers
- · Maintenance vehicles
- Personnel carriers







# SUPPLIER & EQUIPMENT PARTNERS

cisco-eagle.com/manufacturers



"I pick and ship orders from our warehouse. When we serve customers, we're also serving our fellow employee-owners. We share a common future and want to do right by everyone—customers, partners and each other."

-Alfredo, Employee-Owner Since 1999

































FERECTASTEP

Advance Lifts: scissor & dock lifts

AisleAlert: safety warning systems

ALERT Safety: traffic management

American Permalight: photoluminescents

Alvarado: collision sensor bars

Apache Mills: safety mats

Autoquip: scissor lifts, VRCs

Berran: packaging equipment

Borroughs: shelving systems

Ballymore: ladders, platforms, lifts

Bishamon: scissor lifts, positioners

Big Ass Fans: HVLS and directional fans

Bluff: dockboards, yard ramps, crossovers, mezzanines

Atlantis: conveyors

AisleCop®: forklift safety gates

Albion: casters & wheels

Albany: high-speed doors

Aleco: strip doors





Adrian's: rack safety straps Folding Cuard: wire lockers, security

Coff's: vinyl curtain walls, high speed doors, food

Interlake Mecalux: racks, storage systems

Mezzanine Safeti-Gates: platform gates

Morse: drum handling

Modula: horizontal carousels

Omni: conveyors

Penco: shelving

Porta-King: modular buildings

Rice Lake: scales

Ryson: spiral conveyors, chutes

Save-ty Yellow: alarms, guardrails

Se-Kure: visibility and safety mirrors SICK: sensors, automation components Sentry: column/facility protection SI Systems: picking dispensers

Steel King: pallet racks, guardrails, cantilever racks,

Wesley International: pallet jacks, powered tuggers

WireCrafters: wire security partitions, robotic machine

Wy'East: clear forklift cab covers

Zimmerman: balancers, end effectors, crane systems, rail systems

ZoneSafe: forklift safety systems

**BOSTONtec:** workstations Cogan: mezzanines, partitions Cognex: vision & scanning systems Collision Awareness: safety sensors Colson: casters and wheels CraneWerks: industrial crane systems Custom Industrial: vertical conveyors Decade: poly pallets, containers Dehnco: workbenches Durable: dock bumpers, mats, chocks Durham: metal cabinets, Rotabins Eagle Group: wire shelving, stainless Equipto: shelving, mobile aisle ErectaStep: modular platforms Erich Industries: safety sensors Fairbanks: carts & trucks Flat Forks: forklift level detectors

FMH Conveyors: flexible conveyors

Galbreath: self-dumping hoppers Carlock: platform fall protection Genie Grips: rubber tine covers Gillis: racks, ladders, storage grade, welding screens Corbel: crane systems, rail systems Hallowell: lockers, shelving, cabinets Hamilton: casters & wheels Handle-It: stretchwrappers Hanel: vertical carousels. VLM's Harper: hand trucks & carts Harrington: hoists - electric/air Hytrol: conveyors Ideal Shield: urethane bumpers, rails Illinois Engineered: folding gates InCord: conveyor & rack safety netting Industrium: roll-out racks Ingersoll Rand: lifts. balancers Interroll: conveyor rollers, components Interthor: lifts, pallet jacks Jarke: cantilever, stacking, die racks Jesco: self-dumping hoppers Justrite: safety cabinets JW Speaker: forklift safety lights Keneco: carton flow racks Lakeside: stainless carts, equipment Lightning Pick: pick-to-light systems Lift'n Buddy: mobile stacker trucks Little Giant: carts & trucks LL Brossard: visibility/safety mirrors LTBL Tech: safety projection systems Magliner: handtrucks, loading aids Mallard: carton & pallet flow systems McCue: flexible guardrails

Mid-States: heavy handling carts Multi-Conveyor: specialized conveyors Muratec: AS/RS systems, ACVs Nashville Wire: wire decks, containers National Partitions: modular buildings Nergeco: high-speed doors New Age: aluminum carts, trucks Newcastle: mobile power workstations New London: customized conveyors Nordock: dock safety barriers Orion: automated stretchwrappers Panel Built: modular buildings PFlow: vertical reciprocating conveyors PickerPal: pick module swing arms PortaFab: modular buildings Presto: scissor lifts, stackers Pro Line: ergonomic workstations Qimarox: vertical lift systems QC Conveyors: low profile conveyors Quantum: bins, shelving, cabinets Rack Engineering: roll out sheet metal racks, extendable die, crank-out cantilever rack Rigid: ergonomic seating RigURak: pallet rack and accessories Rousseau: modular drawer cabinets, shelving RWM: heavy duty industrial casters and wheels

Sospes: safety reporting software Southworth: scissor lifts, positioners Spanco: jib, bridge, gantry cranes SSI Schaefer: automated materials handling (also shelving systems) Stackbin: metal containers metal containers, mezzanines Steele Solutions: mezzanines Strong Hold: heavy duty storage cabinets, workbenches, tables StrongArm: end effectors Trac-Rite: pallet rack enclosure systems Tri Lite: dock/truck lighting Trio Pines: casters & wheels UltraTech: spill control systems Unarco: pallet rack Unex: carton flow, gravity conveyors US Laser: Laser tine guides US Netting: netting, dock gates Vestil: various material handling Wearwell: safety/ergonomic mats West Point: cantilever, stacking racks Western Pacific: shelving, mezzanines Wildeck: mezzanines, crossovers, dock gates, vertical guards, security



"My father founded Cisco-Eagle in 1970.
He taught me that the people were all that matters; take care of them and it all works out. We hire, train and empower talented people and make shareholders of them. We take care of them so they'll take care of you and your business. You'll see the difference when you work with us."

-Darein, Employee-Owner since 1993

# Find Us Online:

- Arkansas: www.cisco-eagle.com/little-rock
- Austin: www.cisco-eagle.com/austin
- Charlotte: www.cisco-eagle.com/charlotte
- Dallas: www.cisco-eagle.com/dallas
- Florida: <u>www.cisco-eagle.com/florida</u>
- Field Services: www.cisco-eagle.com/fieldops
- Houston: www.cisco-eagle.com/houston
- Michigan: <u>www.cisco-eagle.com/michigan</u>
- Nashville: www.cisco-eagle.com/nashville
- Oklahoma City: www.cisco-eagle.com/oklahoma-city
- San Antonio: www.cisco-eagle.com/sanantonio
- St. Louis: www.cisco-eagle.com/stlouis
- Tulsa: www.cisco-eagle.com/tulsa

# Read & Watch:

- Blog: www.cisco-eagle.com/blog
- Video: www.cisco-eagle.com/video
- Cuides & White Papers: <u>www.cisco-eagle.com/guides</u>
- Purchase online: www.cisco-eagle.com/catalog



ANNIVERSARY 1970-2020

CALL: 888-877-3861 • VISIT: <u>WWW.CISCO-EAGLE.COM</u>