

# CRANE SYSTEMS



[WWW.CINCINNATI-CRANE.COM](http://WWW.CINCINNATI-CRANE.COM)





# Customized Turnkey Design

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Cincinnati Crane offers complete turnkey crane systems, engineered overhead cranes, jib cranes, and complete crane runway systems. We also offer a full line of crane parts, below the hook attachments, safety and modernization products, OSHA Required Periodic & Annual Inspections, load testing, preventative maintenance programs, breakdown troubleshooting and repairs, as well as crane safety training.





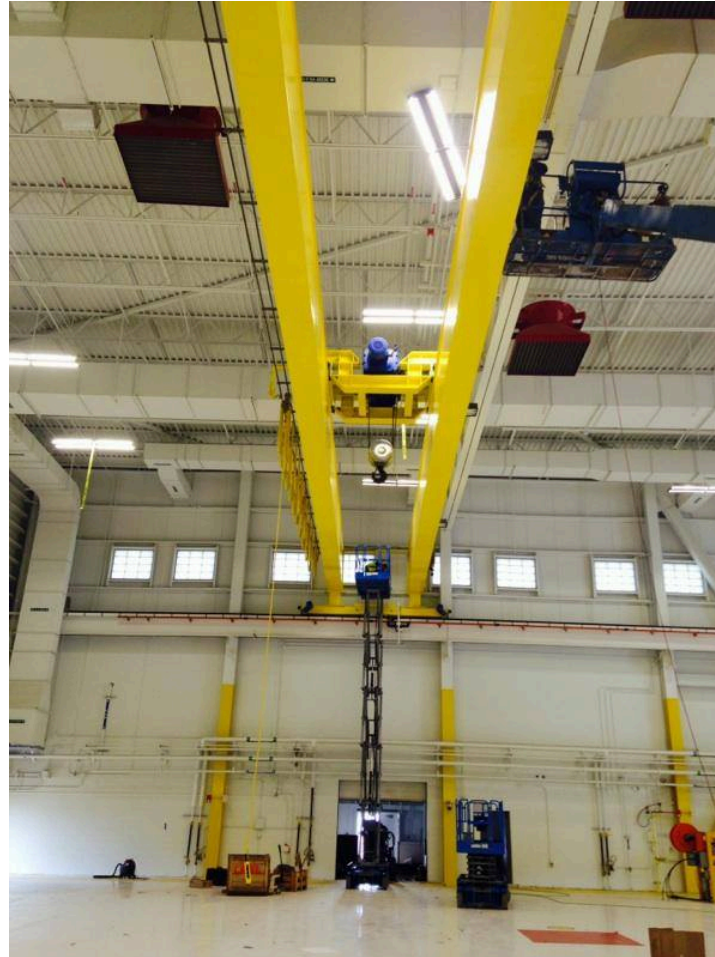
# Our Cranes

- ✔ **Overhead Cranes**
- ✔ **Jib Cranes**
- ✔ **Gantry Cranes**
- ✔ **Monorail Systems**
- ✔ **Runway Systems**
- ✔ **Box Girders**



# Overhead/Bridge Cranes

Cincinnati Crane & Hoist custom builds our own single and double girder **Overhead Cranes**. We are able to provide our customer with exceptional quality, price, and consistency. It is this attention to detail that makes Cincinnati Crane & Hoist one of the nations' leaders in quality and affordable crane systems.



## Single Girder

Designed as a single steel beam or as a welded box design for high capacity, wide span, or high lifting height needs.



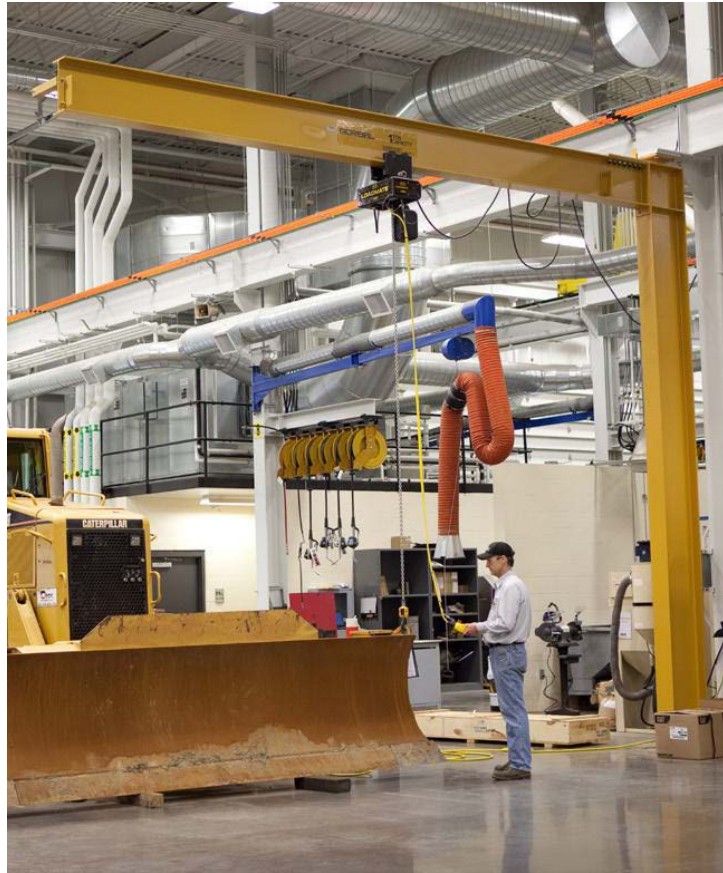
## Double Girder

Two box girders provide the maximum amount of support and added strength and rigidity, ideal for lifting heavy loads and long spans.



# Jib Cranes

A **Jib Crane** is a type of crane where a horizontal member (*jib* or *boom*), supporting a moveable hoist, is fixed to a wall or to a floor-mounted pillar. Jib cranes are used in industrial environments. Similar cranes, often known simply as hoists, were fitted on the top floor of warehouse buildings to enable goods to be lifted to all floors.



## Free Standing Jib Cranes

Ideal for underneath large bridge cranes, in open areas to serve several work stations, in outdoor applications such as loading docks, or in machining and assembly operations where they can be overlapped with other jib cranes to provide staged coverage.



## Mast Type Jib Cranes

Floor supported, top stabilized, and capable of 360-degree rotation via a top and bottom bearing assembly.



## Wall Cantilever Jib Cranes

Provides maximum lift for the hoist. Composed of a vertical mast mounted to 2 brackets on a wall or vertical building beam with a boom that cantilevers out, perpendicular from the wall at the top.



# Gantry Cranes

A **Gantry Crane** is a type of crane supported by one (semi gantry) or two legs that straddle its workload. We build both wheeled or stationed gantry cranes. The option to choose wheels will enable you to move the gantry crane in a more cost-effective lifting solution for areas of infrequent lifts than a more expensive permanent structure. Equipped with end frame design knee braces and channel base provides stable lifting and movement.



## Portable

Reach all corners of your workspace



## Adjustable

Adjust height, span, tread



## Track Mounted

For manual or motorized travel over a fixed route



## Relocatable

Ideal for rented facilities or future workflow changes



# Monorail Systems

Cincinnati Crane & Hoist's **Monorail Cranes** are ideal for production processes that require lifting and moving products along a fixed path, such as moving raw materials to workstations, warehouse-to-warehouse transfer, and much more. Cincinnati Crane's monorail cranes are a great alternative for work areas that cannot be serviced by bridge cranes.



## Ceiling – Mounted Monorail Cranes

Require no floor space for support columns. The monorail tracks are:



## Free Standing Monorails

Provide permanently installed monorail systems over long spans where there are no existing structures for mounting. Freestanding monorail configurations include:

# Runway Systems

Our crane and runway systems range from small freestanding ergonomic workstation systems to very large scale capacity double girder crane runway systems. We can provide a complete turnkey installation, including runway footers. We are able to provide the customer with the most efficient installation along with the highest degree of quality possible.



## Crane Runway Analysis

We offer crane runway and rail inspections, surveys and repairs. This three-part service consists of highly accurate laser measuring and data analysis and repair plan.



## Fabricated Runways

The same rugged quality that goes into our cranes is applied to our runway structures. In many cases, the same craftsmen and welders who fabricate your crane also produce your runway structure



## Install Runways

Correctly installed runway structure ensures a smooth-running crane system. Our installers are runway experts with experience established over many years and hundreds of installations. This makes installations quick and easy.





# Box Girders

Our fabricators and engineers are highly skilled and have the expertise to fabricate your box girder to your specifications. Our certified welders have MIG and ARC welding capabilities. We use high-tech automated fabrication equipment, including a robotic welders and CNC equipment, to produce custom equipment of the highest quality.



## Standard Weld Testing

All our cranes welds are certified by a third party.



## Advanced Weld Testing

Box Girders are tested through advanced ultra sound.



# Our Hoists

Cincinnati Crane will help you select the best hoist — for your needs and your budget — from among all leading hoist manufacturers. Whether you are buying a new hoist or replacing an old one, our sales professionals will be with you every step of the way offering advice on choosing the correct brand, model and special features that are best suited for your specific lifting application.

01

**Electric  
Hoists**

02

**Manual  
Hoists**

03

**Specialty  
Hoists**



# Electric Hoists

Cincinnati Crane & Hoist provides electric rope and chain hoists by some of the most advanced and integrated distributors in the crane industry. Ideal for a variety of industrial applications including hazardous, spark resistant, explosion proof and virtually any other use you have.



## Electric Rope Hoists

Ideal for industrial use and in hazardous, spark resistant environments or for any heavy duty use. They lift by wrapping the cable around a grooved drum, have slow but accurate movements with Fast lifting speeds. Can handle heavier loads.



## Electric Chain Hoists

These hoists provide compact headroom, hook suspension and a range of other features make it easily adjustable for a specific workstation lift by pulling the chain through sprockets and depositing the chain into chain container. Features include: Flexible movement in hard to reach places, easy application for jib and gantry cranes, requires less maintenance than wire rope hoists and are less expensive, provides a true vertical lift.

# Manual Hoists

Manual hoists have some true advantages in the crane industry. Compact and lightweight design allows for construction and contractor applications where portability and easy rigging are critical. Cincinnati Crane is capable of finding you right manual hoist for your application.



## Hand Chain Hoists

Used primarily for vertical lifting and use the power of the worker for operation. Typically made of a die cast aluminum body with pre-lubricated ball bearings and precision gears.



## Lever Hoists

Used effectively for pulling, lifting and positioning. These are highly durable workshop hoists found in all kinds of light lift applications.



# Specialty Hoists

Cincinnati Crane & Hoist works closely with major specialty hoist manufacturers to provide you with highly customizable and interchangeable specialty hoists. We also manufacture our own hoists are precision built to either CMAA Specifications (Class "A" through "F") or AIST Technical Report #6 per your application requirements or preference. In addition, they meet current ANSI, NEC, and OSHA specifications. Selecting the proper hoist will increase your company's safety and productivity.



## Design Capabilities

- Automation
- Bucket Hoists
- Ladle and charging hoists
- Explosion proof hoists
- Magnet service
- Wet and dry end paper-mill service
- Turbine handling
- Critical lifts



## Optional Features

- Molten material handling
- Outdoor duty
- Magnet
- Dual hoist brakes
- Mill duty AISE rated brakes
- Auto adjuster on hoist brake
- Shoe brake on trolley drive



# Crane Accessories



01

CCH Wireless  
Remote

02

Below-the-Hook  
Attachments

03

Safety  
Equipment  
Systems

04

Fall  
Protection





# The CCH SMART CRANE REMOTE

Our remote connects to a Bluetooth receiver, is easily customizable, and has a sleek and intuitive handheld design integrated with the latest technology.

## Ergonomic Design

- Intuitive one hand operation
- Focus on load and operate with confidence
- Reduce operator fatigue

## Safety Features

- Accessible emergency stop
- Built in limit switch management
- Crane collision avoidance
- Embedded accelerator detects unexpected movements

## User Accountability

- Unique log-in code for individual users
- User access control and user log history



# Below-the-Hook Lifting Devices

Cincinnati Crane & Hoist can design, engineer, build, and repair quality **below the hook** material handling equipment to grip, lift and transport your valued products. We can help you maximize your crane's payload with lower tare weights because we have proven designs for durable, **heavy duty material handling equipment**. These accessories will aid you in your crane operation and crane lifting needs. We proudly carry a variety of accessories that can be found in the E-Store.



## Devices for Heavy Material Handling

- ✓ C-Hooks
- ✓ Hook Blocks
- ✓ Coil Grabs
- ✓ Load Weighing Solutions
- ✓ Vertical Lifting Equipment
- ✓ Spreader Beams
- ✓ And Many More



# Safety Equipment & Modernization Systems



## **Buzzers, Horns, Sirens, and Warning Lights**

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Warning lights and indicator lights can be built into the design of an overhead crane to provide personnel on the ground the ability to recognize that the crane bridge is overhead and where the hook will be.



## **Break-Slip Detection**

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Auto-adjust features make sure the brake is always in proper adjustment and doesn't require maintenance or service personnel to manually and repeatedly adjust the brakes. This results in equal wear on the brake pads and less wear and tear on the moving components. When the sensors detect anything out of the predetermined variance, they can inform maintenance personnel when brake adjustment is needed.



## **Variable Frequency Drives and Anti-Sway Technology**

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With the introduction of variable frequency drives, microprocessors now control all the components of the drive system and provide smoother acceleration and deceleration curves, greatly prolonging the life of the brake system.

# Safety Equipment & Modernization Systems



## Collision Avoidance Systems

Anti-collision technologies are becoming more common in facilities that are operating multiple cranes on one runway, have multiple runway systems in place, or have cranes operating in areas where there may be other obstacles or obstructions that can block the movement of the crane.



## Radio Remote Systems

A wireless radio remote control transmitter sends a radio signal to a receiver unit mounted on the crane allowing for independent control of the crane. As a result, the operator can work on the floor safely away from hazards, but they'll also get a better vantage point to perform the lifts effectively.



## Monitoring and Diagnostics Tools

By monitoring the predictable preventative maintenance schedule of a crane's hoist, you can help improve the crane's safety by knowing when the hoist has reached the end of its useful life so that it can either be rebuilt, the internal components replaced or an entirely new unit can be part of a planned purchase.



## Limit Switches

Limit switches can be used for a variety of motion controls on an overhead crane. There can be multiple limit switches used in sequence to slow down and stop the travel of an overhead crane's bridge, hoist, or hook block before it makes hard contact with something that could cause load swing.



# FALL PROTECTION

Most people understand the danger of working from great heights, but at lower heights people often underestimate the risks. Every year hundreds of preventable injuries occur from falling accidents. Safety should be the priority of every business and there are numerous ways to keep workers safe when working off of the ground.

Fall protection citations are one of OSHA's most common concerns. Make sure you aren't cited by having the proper fall protection.

01

**Tether Track  
Systems**

02

**Lifelines**

03

**Lanyards**

04

**Harnesses**

05

**Fall  
Limiters**

# THANKS FOR WATCHING



## Contact Us



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