Columbus McKinnon Corporation manufactures a broad line of material handling products for construction. Primary products include hoists, lifting chain, and rigging attachments. Our names are recognized around the world and include CM, Coffing, Midland, Yale, Budgit, Chester, and Duff Norton. The company has a rich 135-year history with the technology and expertise to design material handling products that help you get the job done easily and safely.

Have a special application? Our full line of material handling products allows us to create custom solutions rather than sell off-the-shelf products. Now you have one point of contact for resources that can help you develop products and systems that meet your specific construction needs.

Our engineers participate in various industry committees to ensure our products meet the OSHA and ASME regulations that have been put into effect for the safety of your workers. We can also work with you and your safety department to help educate your workers on these standards and how they affect their jobs.

We are a global company with facilities in over 18 countries, which service construction projects around the world. Standardizing on a global supplier can help ensure your crews and subcontractors are using quality hoist and rigging products no matter where the project is located. For those who work on US government contracts, Columbus McKinnon has an extensive domestic product portfolio that meets government specification and is approved for use on government projects.

Our long-standing reputation as a superior material handling products manufacturer has allowed Columbus McKinnon to develop a strong, global network of distributors. Besides offering the ability to carry local inventory that is specific to your jobsite requirements, many provide added value services such as product inspections, maintenance, and repair.

The safety of your employees is a very serious matter. We feel it is important for people to be trained on proper techniques and regulations associated with the use of our products. We offer various levels of training for:

- NCCCO Rigging Certification
- Proper Rigging Techniques
- Hoist & Rigging Safety
- Crane Operators
- Inspections
- Product Maintenance

In addition, our training staff is able to develop special curriculums that is specific to your jobsite activities.

Manual Hoists

Lever Tools, Hand Chain Hoists and Wire Rope Pulleys for precise positioning and lifting.

Powered Hoists

Electric and pneumatic chain and wire rope styles featuring a wide capacity range. Compensator hoists for flying deck/tables and load leveling applications. Monorail, Jib and Bridge Cranes.

Rigging

Shackles, Wire Rope, Hooks, Plate Clamps, Wire Rope Clips, Hoist Rings, Spreader Beams and Specialty Lifters.

Load Securement

Binder Chain Assemblies, Ratchet Binders, Lever Binders and J Hooks.

Miscellaneous

Roller Moving Systems, Anchor, Lift Tables, Tilt Tables, Dock Lifts and Pallet Trays.
Columbus McKinnon Corporation manufactures a broad line of material handling products for construction. Primary products include hoists, lifting chain, and rigging attachments. Our names are recognized around the world and include CM, Coffing, Midland, Yale, Budgit, Chester, and Duff Norton. The company has a rich 135-year history with the technology and expertise to design material handling products that help you get the job done easily and safely.

Have a special application? Our full line of material handling products allows us to create complete solutions rather than just selling single products. Now you have one point of contact for resources that can help you develop products and systems that meet your specific construction needs.

Our engineers participate in various industry committees to ensure our products meet the OSHA and ASME regulations that have been put into effect for the safety of your workers. We can also work with you and your safety department to help educate your workers on these standards and how they affect their jobs.

We are a global company with facilities in over 18 countries, which supports construction projects around the world. Standardizing on a global supplier can help ensure your mons and subcontractors are using quality hoist and rigging products no matter where the project is located. For those who work on US government contracts, Columbus McKinnon has an extensive domestic product portfolio that meets government specification and is approved for use on government projects.

Our long standing reputation as a superior material handling products manufacturer has allowed Columbus McKinnon to develop a strong, global network of distributors. Besides providing the safety to carry local inventory that is specific to your jobsite requirements, many provide added value services such as product inspections, maintenance, and repair.

The safety of your employees is a very serious matter. We feel it is important for people to be trained on proper techniques and regulations associated with the use of our products. We offer various levels of training for:

- NCCCO Rigging Certification
- Proper Rigging Techniques
- Load & Rigging Safety
- Hoist & Crane Operators
- Inspections
- Product Maintenance

In addition, our training staff is able to develop special curriculums that is specific to your job site activities.

Hoists & Rigging Products from Columbus McKinnon

Power Hoists
Scissor and pendant lift chain and wire rope styles featuring a wide capacity range.

Compensator hoists for flying decks/tables and load leveling applications. Monorail, Jib and Bridge Cranes.

Rigging
Shackles, Lifting Chain, Hooks, Plate Clamps, Wire Rope Clips, Hoist Rings, Spreader Beams, and Specialty Lifters.

Load Securement
Binder Chain Assemblies, Ratchet Binders, Lever Binders and J Hooks

Manual Hoists
Lever Tools, Hand Chain Hoists and Wire Rope Pulleys for precise positioning and lifting.

Miscellaneous
Roller Moving Systems, Auger, Lift Tables, Tilt Tables, Dock Lifts and Pallet Trucks.

Hoists & Rigging Products for Construction Projects
Selecting the Right Products for Your Applications

Commercial Construction

- Compensator Hoist: electric chain hoist attached to crane hook that allows for lifting and precision positioning of pre-formed floor decks.
- Crane Fork & Special Lifters: lifting and moving various construction supplies such as bricks and tiles.
- Plate Clamps: used to pick up sheets of steel, stone, and even glass in the horizontal or vertical position.

Power Plants

- Lever Hoists: performs lifting, pipes and planks for welding of boilers and structural components.
- Shackles: provide versatile lifting points for a wide range of rigging applications; various materials and types to match the shackle with the job.
- Roller Moving Systems: moving large components into place with minimal effort, uses no external power or air but provides excellent maneuverability.

High Capacity Hand Chain Hoists: used during maintenance for the precise lifting of turbines and other heavy components.

Bridges & Highways

- Hand Chain Hoist: positioning and holding beams in place for welding or bolting.
- Chain Sling: lifting and moving beams and decks.
- Wire Grip & Wire Rope Pullers: tightening or pulling wire rope and cable.

Wind Energy

- Serrate Sling: used for lifting, unloading and installation of various components.
- Screw Pin: easily and quickly removed.

HOISTS

What hoist should you select? When you're looking for...

- The best commercial grade units available:
  - 622 Chain & 653 Lever Hoists

- The most durable construction / industrial grade units on the market:
  - LHH Chain & LSB Lever Hoists

- The premier line of domestic units with customizable options:
  - Cyclone Chain & 640 Lever Hoists

SHACKLES

- Good: Industrial Grade Carbon
  - Used for government or other applications where the US Federal RR-C-271D specification for carbon shackles is required.

- Better: Super Strong Carbon
  - Higher working load ratings than standard carbon shackles and competitive products. For instance, a 1" Super Strong Shackles has a WLL of 10 tons, where the competition offers only 8 1/2 tons. Shackles also exhibit extreme deformation before failure.

- Best: Alloy

Shackles also exhibit extreme deformation before failure.

- Screw Pin: easily and quickly removed.
- Bolt, Nut & Cotter (Safety Bolt): the most secure choice for overhead lifting and long term application.
- Round Pin: best for short term applications. Not recommended for overhead lifting where side loading could occur.

- Long Reach Shackle: can be used where other shackles cannot reach.
- DNV Shackle: Shackles comply with stringent production, testing, identification, inspection, and documentation standards set forth by DNV.
- Web Sling Shackle: can be used on web slings from 3 to 6 inches in width. Flat surface promotes extended synthetic sling life.

Other Shackle Options
Selecting the Right Products for Your Applications

Commercial Construction
- **Spreader Beams**: assist in lifting the nacelle, blades, and tower sections
- **Hoist Rings**: attachment used when lifting and rotating tower sections
- **Hooks**: designed to be used with synthetic slings, wire rope, or chain slings
- **Lifting Clamps**: used for the loading, unloading and installation of various components

Bridges & Highways
- **Hand Chain Hoist**: positioning and holding beams in place for welding or bolting
- **Chain Slings**: lifting and moving beams and decks
- **Wire Grips & Wire Rope Pullers**: tightening or pulling wire rope and cable

Power Plants
- **Lever Hoists**: positioning beams, pipes and plates for welding of boilers and structural components
- **Shackles**: provide versatile lifting point for a wide range of rigging applications; various materials and types to match the shackle with the job

HOISTS
- **What hoist should you select? When you’re looking for...**
  - The best commercial grade units available
    - **622 Chain & 653 Lever Hoists**
  - The most durable construction / industrial grade units on the market
    - **LHH Chain & LSB Lever Hoists**
  - The premier line of domestic units with customizable engineered options
    - **Cyclone Chain & 640 Lever Hoists**

SHACKLES
- **Good**: Industrial Grade Carbon
  - Used for government or other applications where the US Federal RR-C-271D specification for carbon shackles is required
- **Better**: Super Strong Carbon
  - Higher working load ratings than standard carbon shackles and competitive products.
  - For instance, a 1” Super Strong Shackles has a WLL of 10 tons, whereas the competition offers only 8 1/2 tons.
- **Best**: Alloy
  - Highest working load rating.
  - Alloy is the best choice for overhead applications. Meet US Federal RR-C-271D requirements for alloy shackles.

Screw Pin
- No tools needed to put into position.
- Ideal for applications where the shackle is frequently removed.

Bolt, Nut & Cotter (Safety Bolt)
- The most secure choice for overhead lifting and long term applications.

Round Pin
- Best for short term applications.
- Not recommended for overhead lifting where side loading could occur.

Long Reach Shackle
- Can be used where other shackles cannot reach.
- When space is at a premium, long reach shackles may eliminate the need for extra hardware when connecting.

DNV Shackle
- Shackles comply with stringent production, testing, identification, inspection, and documentation standards set forth by DNV.

Web Sling Shackle
- Can be used on web slings from 3 to 6 inches in width. Flat surface promotes extended synthetic sling life.

Other Shackle Options
- **Screw Pin**: Use for applications where frequent removal is necessary.
- **Bolt, Nut & Cotter**: Provides a secure attachment for overhead lifting and long term applications.
- **Round Pin**: Suitable for short term applications.
- **Long Reach Shackle**: Designed for situations where other shackles cannot reach or when space is limited.
- **DNV Shackle**: Meets stringent standards for safety and reliability.
- **Web Sling Shackle**: Best suited for applications involving web slings.
Selecting the Right Products for Your Applications

**Commercial Construction**

- **Compensator Hoist**: electric chain hoist attached to crane hook that allows for lifting and precision positioning of pre-formed floor decks.
- **Crane Fork & Special Lifters**: lifting and moving various construction supplies such as bricks and tiles.
- **Plate Clamps**: used to pick up sheets of steel, stone, or even glass in the horizontal or vertical position.

**Power Plants**

- **Lever Hoists**: positioning beams, pipes and plates for welding of boilers and structural components.
- **Shackles**: provide versatile lifting point for a wide range of rigging applications; various materials and types to match the shackle with the job.

**Bridges & Highways**

- **Hand Chain Hoist**: positioning and holding beams in place for welding or bolting.
- **Chain Slings**: lifting and moving beams and decks.
- **Wire Graple & Wire Rope Pullers**: tightening or pulling wire rope and cable.

**HOISTS**

- **What hoist should you select? When you’re looking for...**
  - The best commercial grade units available: 622 Chain & 653 Lever Hoists
  - The most durable construction / industrial grade units on the market: LHH Chain & LSB Lever Hoists
  - The premier line of domestic units with customizable engineered options: Cyclone Chain & 640 Lever Hoists

**SHACKLES**

- **Good**: Industrial Grade Carbon
  - Used for government or other applications where the US Federal RR-C-271D specification for carbon shackles is required.

- **Better**: Super Strong Carbon
  - Higher working load ratings than standard carbon shackles and competitive products. For instance, a 1” Super Strong Shackles has a WLL of 10 tons, where the competition offers only 8 1/2 tons. Shackles also exhibit extreme deformation before failure.

- **Best**: Alloy

**Shackle Types**

- **Screw Pin**: no tools needed to put into position. Ideal for applications where the shackle is frequently removed.
- **Bolt, Nut & Cotter (Safety Bolt)**: the most secure choice for overhead lifting and long term application.
- **Round Pin**: best for short term applications. Not recommended for overhead lifting where side loading could occur.

**Other Shackle Options**

- **Long Reach Shackles**: can be used when lifting with synthetic slings, wire rope, or chain slings.
- **DNV Shackles**: comply with stringent production, testing, identification, inspection, and documentation standards set forth by DNV.

**Web Sling Shackle**: can be used on web slings from 3 to 6 inches in width. Flat surface promotes extended synthetic sling life.
Columbus McKinnon Corporation manufactures a broad line of material handling products for construction. Primary products include hoists, lifting chain, and rigging attachments. Our names are recognized around the world and include CM, Coffing, Midland, Yale, Budgit, Chester, and Duff Norton. The company has a rich 135-year history with the technology and expertise to design material handling products that help you get the job done easily and safely.

Have a special application? Our full line of material handling products allows us to create custom solutions rather than just selling single products. Now you have one point of contact for resources that can help you develop products and systems that meet your specific construction needs.

Our engineers participate in various industry committees to ensure our products meet the OSHA and ASME regulations that have been put into effect for the safety of your workers. We can also work with you and your safety department to help educate your workers on these standards and how they affect their jobs.

We are a global company with facilities in over 18 countries, which service construction projects around the world. Standardizing on a global supplier can help ensure your men and subcontractors are using quality hoist and rigging products no matter where the project is located. For those who work on US government contracts, Columbus McKinnon has an extensive domestic product portfolio that meets government specifications and is approved for government projects.

Our long-standing reputation as a superior material handling products manufacturer has allowed Columbus McKinnon to develop a strong, global network of distributors. Besides ensuring the quality and safety of our products, these distributors are best positioned to carry and service the products you need. All of this enables them to design, build, and deliver solutions to their customers that are cost effective, time effective, and help meet the ever-changing demands of the construction industry.

The safety of your employees is a very serious matter. We feel it is important for people to be trained on proper techniques and regulations associated with the use of our products. We offer various levels of training for:

- NCCCO Rigging Certification
- Proper Rigging Techniques
- Hoist & Rigging Safety
- Inspections
- Product Maintenance

In addition, our training staff is able to develop special curriculum that is specific to your job site activities.

For more information, contact your distributor or call 1-800-888-0985.