Columbus McKinnon Corporation manufactures a broad line of material handling products for the Oil and Gas industry. Primary products include hoists, trolleys, rigging attachments, lifting chain, and cranes. Our names are recognized around the world and include CM, Yale, Chester, Duff Norton, and Pfaff. No matter the Oil & Gas sector, Columbus McKinnon’s expertise provides you with solutions to maximize the uptime of your rig and facilities. We have engineered products to withstand the harsh environmental conditions of the oil and gas industries and specialize in hoists and trolleys with optional features like:

- Low Head Room
- Spark Resistant
- Explosion Proof
- Corrosion Resistant

Our long history of designing innovative products and manufacturing them to the highest quality standards will help you get the job done safely and on time. In addition, we offer various levels of rigging, hoist, and crane training/certification courses that can help augment your existing safety programs.

**MAXIMIZING UPTIMES OF RIGS & FACILITIES**

**COLUMBUS MCKINNON**

Phone: (800) 888-0985  •  (716) 689-5400  •  Fax: (716) 689-5644  •  Email: sales@cmworks.com  •  www.cmworks.com

CMCOOIL-1      2.5M 04/10 Q©2010 Columbus McKinnon Corporation
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HOISTS & RIGGING PRODUCTS FROM COLUMBUS McKINNON

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

Powered Hoists
- Electric & pneumatics in chain and wire rope styles, featuring a wide capacity range. Compensator hoists for flying decks/tables and load leveling applications. Monorail, Oil and Bridge Cranes.

Rigging
- Shackles, Lifting Chain, Hooks, Paint Carriers, Wire Rope Clips, Head Rings, Spreaders and Specialty Lifters.

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

Screw Jacks & Actuators
- Screw, Linear Actuators, Electric Cylinders, Screws & Nuts, Rotary Unions.

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SPECIAL DESIGN FEATURES AVAILABLE FOR THE OIL & GAS INDUSTRY

Spark Resistant Hoists

Explosion Proof Hoists

DNV Shackles & Master-Links

Low Headroom Hoists & Trolleys

Manual & Powered Trolleys

Rigging Products

Powered Chain & Wire Rope Hoists

Hand Chain & Lever Hoists

Chain

Rack & Pinion Trolleys

Training

Power Proper hoist and rigging techniques

Rigging certifications

Crane operation

Hoist Maintenance Classes can be held at CMCO facility or at your facility

Utilities

Moving items such as motors, filter medium, well heads, pumps, and compressors into place during installation and maintenance

Specialist featured in head room units that reduce the cost of platform construction

Explosion proof construction available

All hoists that run on compressed natural gas

Moving equipment, such as BOP’s, into and out of storage locations

A rack and pinion type unit is available when the trolley is traveling along a slope without friction or an variable incline. This trolley can be designed, configured, and built to customer specifications that are impossible by sea conditions, such as on a drill ship, FPSO, or floating platform

Moving equipment, such as BOP’s, into and out of storage locations

Lifting beams, master ties, shackles, and hooks for lifting equipment into place during install, maintenance, and repair

Lifting chain for use during pipeline construction

Transport chain when transporting pipe and equipment to and from the jobsite. Both domestic and global products available

For use during pipeline construction

For use during pipeline construction

For use during pipeline construction

Proper hoist use and rigging techniques

Rigging certifications

Crane operation

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SPECIAL DESIGN FEATURES AVAILABLE FOR THE OIL & GAS INDUSTRY

POWERED CHAIN & WIRE ROPE HOISTS
- Moving large parts such as motors, filters, modules, wellheads, pumps, and compressors into place during installations and maintenance.
- Specialization in low head room units that reduce the cost of platform construction.
- Explosion proof construction available.
- Air hoists that run on compressed natural gas.

MANUAL & POWERED TROLLEYS
- Moving equipment, such as BOPs, into and out of storage locations.
- A rack and pinion type unit is available when the trolley is traveling along a slope without control or an overhead hanging load is supported.
-特别是在恶劣条件下，如在钻床、FSPO或浮式生产平台，通常需要足够的空间来安装、维护和更换设备。

CRANE & CRANE COMPONENTS
- Bridge cranes for work cell use.
- Bridge crane utilizing a wire rope or chain hoist for maintenance and equipment replacement.
- End truck and controls for installing a new or retrofitting an existing crane.

HAND CHAIN & LEVER HOISTS
- Used extensively during the maintenance of equipment.
- Ability to lift loads when working in locations where overhead crane is not available.
- Domestic and global hoists available.
- Spark-resistant options available on hand chain hoists.

LOW HEADROOM HOIST & TROLLEYS
- To create the most cost-effective facility design, ceilings/floors are most often lowered to reduce the amount of structural steel required for construction.
- Although this saves money, it often creates a challenge when it comes to space available to lift and move parts from one location to another.
- End trucks and controls for installing a new or retrofitting an existing crane.

CHAIN
- Lifting chain for use during pipeline construction.
- Transport chain when transporting pipe and equipment to and from the platform. Both domestic and global products available.

RIGGING PRODUCTS
- Lifting beams, master links, shackles, and hooks for lifting equipment into place during install, maintenance, and repair.

TRAINING
- Proper hoist use and rigging techniques.
- Rigging certifications.
- Crane operation.
- Hoist maintenance.
- Classes can be held at CMCO facility or at your facility.

DNV SHACKLES & MASTER LINKS
- Columbus McKinnon offers DNV certification on many rigging products including shackles and master links.

EXPLOSION PROOF HOISTS
- Explosion proof construction provides the strength required on top, bottom, and sides to withstand the explosion force.
- The enclosure protects the electrical components from damage and contamination, while also containing any explosion that may occur within the equipment.

SPARK RESISTANT HOISTS
- Spark resistant hoists are available for handling materials that may create a spark.
- Suitable for environments where explosion-proof hoists are not required.

LOW HEADROOM HOISTS & TROLLEYS
- Designed for use in low headroom applications.
- Suitable for environments where explosion-proof hoists are not required.

RACK & PINION TROLLEYS
- Designed for use in low headroom applications.
- Suitable for environments where explosion-proof hoists are not required.

When planning and design, it is important to consider the need for proper hoisting equipment to prevent potential hazards.
SPECIAL DESIGN FEATURES AVAILABLE
FOR THE OIL & GAS INDUSTRY

Spark Resistant Hoists

Explosion proof hoists are for the electrical components of a hoist, while spark resistance provides protection for the hooks, lower block, trolley, and crane wheels would be provided to reduce the chance of creating a spark.

Explosion Proof Hoists

In locations that are considered hazardous because the atmosphere contains or may contain gas, vapor, dust in dust in explosive quantities, explosion proof gear must be used for hoist applications. The correct enclosures, seal plugs, steam vents, motors, and controllers are basically designed to prevent against excessive amounts of explosion material getting in the equipment, but also to contain an explosion that may take place within the particular component.

Although our products are expertly engineered and thoroughly tested, some customers also require third party certifications. Columbus McKinnon offers DNV certification on many rigging products including shackles and master links.

DNV Shackles & Master-Links

Low Headroom Hoists & Trolleys

To create the most cost effective facility design, ceilings/floors are most often lowered to reduce the amount of structural steel required for construction. Although this saves money, it often creates a challenge when it comes to space available to lift and move parts from one location to another. Low headroom is often needed to insure there is enough headroom to clear obstacles when installing, maintaining, and replacing equipment.

Moving items such as motors, filter medium, well heads, pumps, and compressors into place during installation and maintenance.

Specialize in low head room units that reduce the cost of platform construction

Explosion proof construction available

Air hoists that run on compressed natural gas

POWERED CHAIN & WIRE ROPE HOISTS

Moving equipment, such as BOP’s, into and out of storage locations

A rack and pinion type unit is available when the trolley is traveling along a beam with an incline or where the trolley requires positive engagement to secure it against movement imposed by sea conditions, such as on a ship, FPSO, or floating platform

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Lifting chain for use during piping construction

Transport chain when transporting pipe and equipment to and from the jobsite. Both domestic and global products available

HAND CHAIN & LEVER HOISTS

Used extensively during the maintenance of equipment

Ability to shift loads when working in locations where overhead crane is not available

Domestic and global hoists available

Spark resistant options available on hand chain hoists

RIGGING PRODUCTS

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Rack & Pinion Trolleys

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