

A COMPLETE LINE OF PRODUCTS & SOLUTIONS  
FOR ENERGY DEVELOPMENT



# HOISTS & RIGGING PRODUCTS FOR POWER

Electric & Air Hoists

Manual Hoists

Chain & Rigging Attachments

Jib Cranes

Specialized Attachments

Columbus McKinnon Family of Brands



## **TOUGH. RELIABLE. STRONG.**

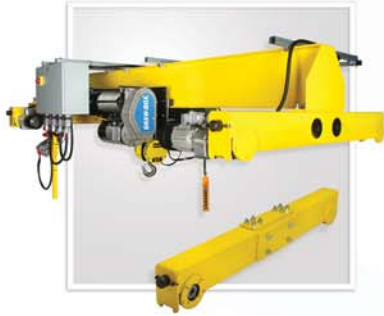
### *Keeping The Power On*

The generation of power is a process essential to keeping our lives and businesses running smoothly. Although power is often taken for granted, we understand much work goes into maintaining the continuous uptime of existing power plants and meeting new plant construction schedules. Whether you are working on a planned or unplanned facility outage or constructing a new plant, your tools and equipment need to be reliable. Columbus McKinnon can provide you with dependable hoists, rigging products, and cranes for your entire facility. Whether you are welding boiler tubing or lifting a rotor for maintenance, we have the products to help you perform your job effectively and efficiently.

#### **Standardizing on crane, hoist, and rigging products within the various areas of the plant can help you:**

- Reduce cost of spare parts inventory
- Reduce maintenance cost through common labor tasks
- Simplify training of personnel on the use and maintenance of equipment
- Shorten the design time and approval process of cranes
- Reduce costs associated with the procurement process





## WIRE ROPE HOISTS & CRANE COMPONENTS

**Overhead Railcar Shaker:** Durable construction to stand up to vibration, ability to supply the entire system from crane to trolley to slings.

**Turbine Room:** Low headroom designs to minimize building cost while maximizing lift distance, plug and play design to reduce downtime and simplify maintenance.

**Maintenance & Machine Room:** Wide variety of hoist and crane component options for flexible and easy operation and maintenance.



## ELECTRIC & AIR CHAIN HOISTS

**Smoke Stack & Cooling Tower:** Hoist features suitable for long lift applications, easily mounted to jib for external maintenance of stacks.

**Battery Room:** Compact, reliable design for use when installing and removing batteries.

**Machinery Maintenance:** Rugged design that can stand up to the conditions associated with coal processing equipment such as the pulverizer and stoker.



## CHAIN SLINGS & SHACKLES

**Rigging:** Full line of chain, chain slings, hooks, and shackles for use when lifting or moving material inside or outside of the facility.



## BEAM CLAMPS & TROLLEYS

**Coal Conveyor:** Push, geared, or motorized trolleys easy to use, available for a wide range of beams.

**Beam clamps as general use attachment point:** Eliminates the need to create a weld on an attachment point.





## HAND CHAIN HOISTS

**Coal Gun:** Small, rugged, design that can be easily moved from location to location.

**Turbine Maintenance:** Low pull force for easy lifting, allows for micro-movements on critical lifts and installs.

**Water-wall installation and removal:** After plant/construction cranes have move the panels in place, hand chain hoists used to complete final placement.

**Erecting Stacks:** Used to move form and catwalk to the next pouring level.



## HAND LEVER HOISTS

**Boiler pipes, alignment, welding and repairs:** Durable, light weight hoists with low handle pull force, true single handed free chain operation.

**Air heater assembly:** Hand chain and lever hoists used to assemble and disassemble air baskets.



## STRAP HOISTS

**Lineman's work:** Non-conductive fiberglass handle and polyester webbing.



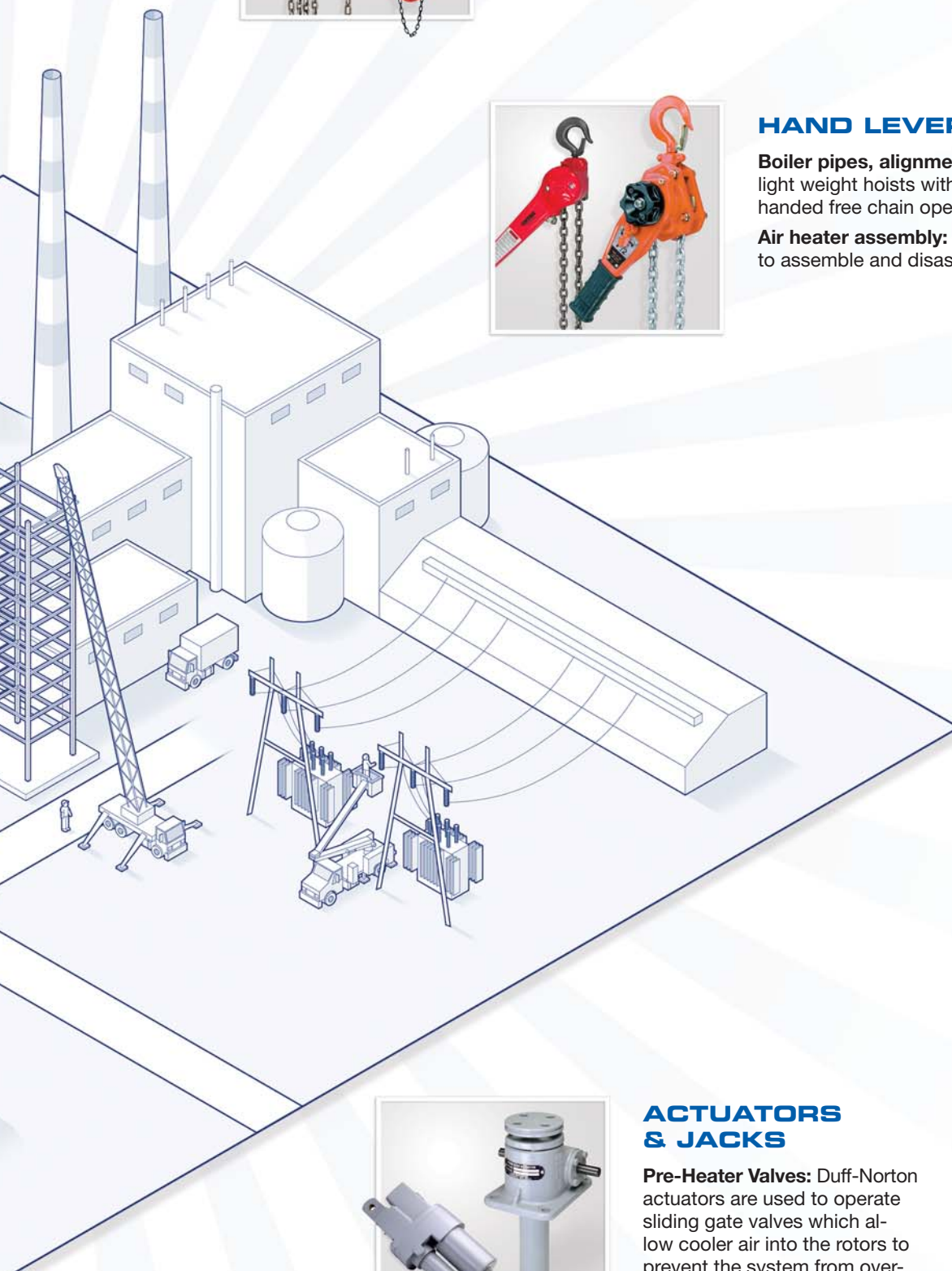
## SPREADER BEAMS

**Turbine install and maintenance:** For easier, balanced lifting of turbines and other large components especially useful when lifting large loads.



## ACTUATORS & JACKS

**Pre-Heater Valves:** Duff-Norton actuators are used to operate sliding gate valves which allow cooler air into the rotors to prevent the system from overheating and damaging the heat transfer surfaces.



# WHEN CONSIDERING SAFETY...

## Model LSB-B Lever Tool

- Efficient design for easy operation with minimal handle effort.
- True, simple, one handed free-chaining for easy load attachment and take up of slack chain.
- Optional load limiter available which prevents the hoist operator from lifting a load great than the rated hoist capacity.
- Available with optional shipyard hook which allows for tip loading.



## Hurricane Hand Chain Hoist

- Handwheel rotates 360 degrees allowing for hoist operation in any direction.
- Operators can now stand away from the load while it is being efficiently and safely lifted.
- Hoist comes standard with a load limiter which prevents accidental overloading of the hoist.



## Latchlok 100 Hooks

- The interlocking latch provides easy indication of hook overload and cannot be opened under load.
- Fully interlocking point to reduce the chance of hook failure when accidentally side loaded.
- Throat latches cannot be removed or broken, thus removing any questions about OSHA requirements.
- Large, ergonomic locking trigger will not pinch fingers and can be operated while wearing safety gloves.
- 100% proof tested ensures the unit will perform as rated.



## Super Strong Carbon Shackle

- Provides a higher working load limit than standard shackles of the same size.
- 6:1 versus the standard 5:1 design factor.
- Exhibits extreme deformation before failure.
- Testing by independent lab shows break and shock load results outperform competitive products.



**CMCO**  
COLUMBUS MCKINNON  
CORPORATION

# HOISTS & RIGGING PRODUCTS FROM COLUMBUS McKINNON



## POWERED HOISTS

Electric & pneumatic in 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.



## MANUAL HOISTS

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



## 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.



## ACTUATORS & JACKS

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



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