

## SPECIAL APPLICATIONS

# CLEAN ROOM APPLICATIONS

Clean room environments exist in a variety of industries ranging from food processing and pharmaceuticals to electronics and biotechnology. In these environments, even the smallest particle or contaminant could adversely affect the manufacturing process, therefore equipment must meet certain standards and requirements that vary from industry to industry.

The Zephyr can be specially designed to help you meet these standards. The options we offer for our Zephyr hoists can reduce or eliminate the risk of contamination from factors such as corrosion, lubricants or flaking paint. Optional features include:

- STAINLESS STEEL LOAD CHAIN
- STAINLESS STEEL HAND CHAIN
- STAINLESS STEEL HAND CHAIN WHEELS
- STAINLESS STEEL LIFT WHEELS
- STAINLESS STEEL HOOKS
- STAINLESS STEEL LATCHES
- STAINLESS STEEL HOOK BLOCKS
- STAINLESS STEEL HOUSINGS
- GREASE-TIGHT ENCLOSURES WITH FOOD-GRADE LUBRICANTS
- FOOD-GRADE EPOXY FINISH

No matter the clean room environment, Chester has the hoists and trolleys to meet the needs of your application.



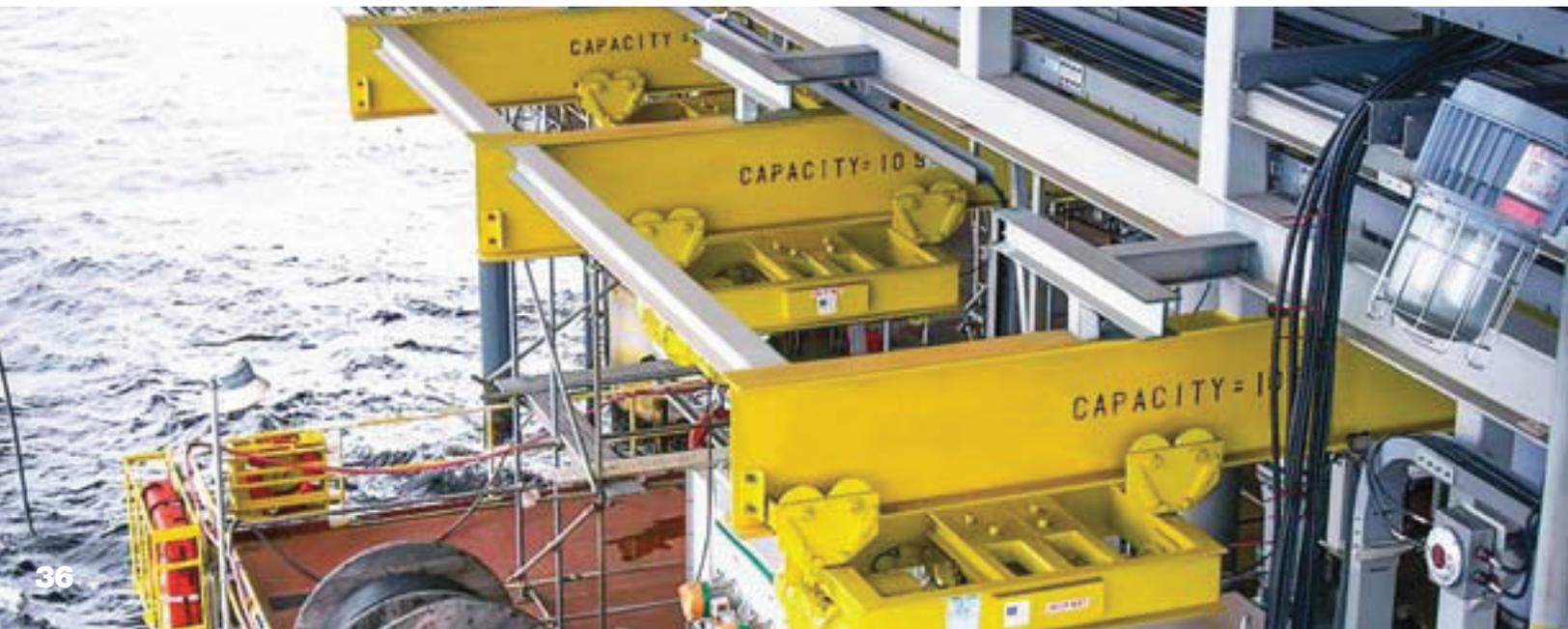
## SPECIAL APPLICATIONS **OIL & GAS PRODUCTS**

The Chester Hoist Company is a long-standing industry leader in providing solutions for the most demanding hoisting requirements of the oil and gas industry. Not only do we offer an unduplicated range of products and distribution for oil and gas applications, we also possess unique experience, knowledge and application engineering capabilities that no other manufacturer can claim. Our network of experienced distributors are located around the world, serving most of the major oil and gas producers and refiners in all major markets.

To address the needs of the oil and gas industry, the Chester Zephyr family of hoists is available with a variety of options, including:

- **LOW HEADROOM**
- **SPARK RESISTANCE**
- **CORROSION RESISTANCE**

For applications in oil and gas environments, Chester Hoist recommends the use of solid spark- and corrosion-resistant materials. Our standard spark-resistant components include stainless steel load chain, wire rope and hook latches as well as solid bronze hooks, hook blocks and trolley wheels with aluminum or stainless steel hand chains. We also provide a wide range of plated chains, hooks and wheels. While many of our competitors also offer plated components, these superficial coatings only offer temporary protection against sparking and corrosion.



**ABOUT US****A CLOSER LOOK  
AT CHESTER HOIST**

The roots of Chester Hoist date back to 1881 when Mr. Hugh Wright started the Wright Hoist Company in Lisbon, Ohio. In 1928, the Wright Hoist Company was sold to the American Chain and Cable Company, today known as ACCO, and later moved to York, Pennsylvania. In 1942, the Wright Brothers returned to Lisbon from York and followed their grandfather into the hoist business by starting the Chester Manufacturing Company. Using a design similar to their grandfather's, they began manufacturing hoists in Lisbon, Ohio, under the Chester brand name.

Since the 1940s, high quality standards and qualification testing have positioned Chester Hoist as a major supplier of hoists to the U.S. Military. In 1954, Chester introduced the Zephyr steel-frame hand chain hoist. Tested and approved to U.S. military specifications, this hoist enabled Chester to become a key hoist supplier to the U.S. Navy. That same year, a spark-resistant version of the Zephyr is introduced, marking Chester's entry into the oil and gas industry.

In 1986, Chester Hoist purchased the Coffing Worm Drive Electric Wire Rope Hoist line from the Duff-Norton Company and began manufacturing the line in Lisbon under the Chester Label. Then, in 1989, Chester Hoist began manufacturing ultra-low headroom electric chain hoists. This line, in addition to its low-headroom wire rope hoists and "Zephyr" low headroom manual hoists, makes Chester the industry leader in close headroom hoists.

Acquired by Columbus McKinnon in 1995, Chester Hoist still produces Zephyr low-headroom manual hoists at its facility in Lisbon, Ohio. In addition to the Zephyr, Chester is known for its specially engineered hoists and trolleys used in a variety of industries.



## **ASK US ABOUT YOUR SPECIAL REQUIREMENTS**

In addition to the large selection of basic Zephyr hoists and trolleys in this catalog, Chester prides itself on its ability to specially engineer products to meet the most exacting customer requirements. Our hoists and trolleys are available with numerous variations and adaptations for unique and specialized applications.

If you have a specific requirement or need a product with specialized features, contact us. We have the experience and breadth of product needed to design and build the exact hoist or trolley you require. The Zephyr line, in particular, can be engineered for exacting clearances and to operate on tight radius curves as well as on switches, turntables and interlocks. We can also customize hoists to operate on narrow-flanged patented monorail track and extra-wide track where wide flange sections are used.

Spark-resistant bronze or stainless steel parts can also be supplied, along with other options such as chain containers or buckets, track clamps, hand wheel extensions or twin-hook features.

Call us today and let us show you what we can do. We can engineer a product to meet your most demanding requirements.



## **BUY WITH CONFIDENCE**

Chester Hoist is proud to be compliant with the "Buy American Act".

We know that American-made products are important to our customers. That's why Chester manufactures the majority of its hoists at our two Ohio facilities. We also manufacture many of our other brands' hoists and rigging products here in America as well.

Dating back to 1933, the Buy American Act requires end products for supplies or construction material to be manufactured domestically. For a product to comply with this Act, it is required that more than half the cost of its components is derived from U.S.-made components.

Chester Hoist is proud to comply with the Buy American Act and is happy to supply a Certificate of Compliance upon request.

