



AEROSPACE SOLUTIONS



ENGINEERED STRENGTH.

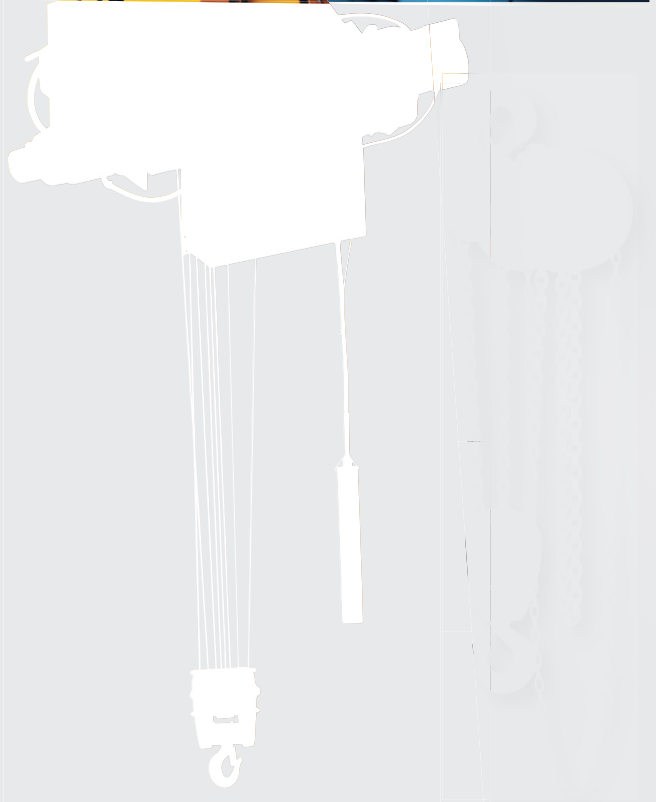
Heavy-Duty Solutions for Crucial Aerospace Applications

Precision and reliability are essential in the aerospace industry. Whether servicing aircraft fleets, enabling the next generation of space missions, or maintaining critical infrastructure; government agencies, defense contractors, and aerospace manufacturers demand equipment that operates flawlessly under extreme conditions.

Innovation has been a priority since Columbus McKinnon's establishment. For over 150 years, we have been a trusted provider of high-performance lifting, linear motion, and automation solutions. Today, we continue to champion this legacy, supporting space exploration and aircraft manufacturing applications and engineering solutions that are built to the highest industry standards for strength, safety, and efficiency.

Unmatched Industry Expertise

- » **Lifting Solutions:** CM, Yale, Coffing, and Chester provide heavy-duty hoists, cranes, and rigging systems for aerospace assembly, aircraft testing and maintenance, and defense applications.
- » **Automation & Motion Control:** Magnetek variable frequency drives, radio remote control systems, and engineered-to-order automation application expertise enhance precision, safety, and efficiency in aerospace operations.
- » **Linear Motion Solutions:** Duff-Norton actuators, screw jacks, and motion control systems deliver high-precision positioning for aircraft testing, manufacturing, satellite launch preparation, and more.
- » With engineering expertise, compliance support, and specialized training, Columbus McKinnon ensures mission-critical aerospace operations run safely and efficiently.



TRUSTED PERFORMANCE.

Lifting Solutions for Aerospace & Defense

Reliable Lifting Products Offer Precise Control

Columbus McKinnon's lifting solutions are engineered for durability and precision—supporting aviation facilities, aircraft gars, spaceflight assembly, and defense applications. With versatile configurations and custom options, our crane and hoist solutions meet the specialized demands of the aerospace industry.

Featured Lifting Products

- » **Yale® and Shaw-Box® Wire Rope Hoists:** Heavy-duty CableKing, LodeKing LT, YK/SK, and Y80/800 Series wire rope hoists offer precision controls and high-capacity lifting capabilities. These hoists are ideal for aircraft assembly, maintenance hangers, aerospace component handling, and military applications.
 - o Available options meet the Navy & NASA requirements for underhung and top running wire rope hoists.
- » **CM Lodestar and Coffing EC:** The recognized standards for electric chain hoists in aerospace applications. A wide range of options available on both units allow us to customize solutions for from the simplest to most unique applications.
 - o Coffing EC includes a dual brake design that meets NASA's critical lift requirements and Navy standards.
- » **Chester Hand Chain Hoists:** A wide range of standard and ultra-low headroom models and options have established Chester as the premier hand chain hoists for aircraft maintenance, spacecraft assembly, and mission-critical defense operations
 - o MIL904-compliant options available.
- » **CM® Cyclone Hand Chain & CM 640 Puller Lever Hoists:** Portable, high-strength aluminum body hoists are easy to operate lifting solutions built for field maintenance.
 - o Both the Cyclone & 640 Puller offer MIL904-compliant options.
- » **End Trucks & Rigging Components:** Custom crane and rigging solutions are designed for military and government infrastructure projects.

Compliance & Certifications

- » Meets ASME & NEC Standards
- » Department of Defense MIL Spec & Navy-Compliant Solutions
- » NASA Critical Lift Standards

FLIGHT-READY.

Automation & Motion Control for Aerospace and Defense

Advanced Solutions for Efficient, Sustainable Performance

Magnetek power and motion control solutions integrate advanced variable frequency drives, radio remote control systems, and customizable automation technologies—delivering unmatched efficiency and reliability, plus added safety benefits.

Featured Automation Solutions

- » **AC & DC Drives:** High-performance motor control systems ensure precise load handling in aircraft manufacturing and launch systems.
- » **Radios & Pendants:** Wireless control and tethered solutions enhance operational efficiency and safety by removing operators from potentially hazardous situations.
- » **Collision Avoidance Systems:** Safety systems minimize risk and maintenance costs associated with equipment damage to heavy-duty overhead cranes and hoists.
- » **Custom Automation Systems:** Automation and diagnostic systems can be tailored to meet complex aerospace application requirements – incorporating intelligence into the smart cranes of tomorrow.

Retrofit & Customization Options

- » **Engineered-to-Order Solutions:** Customized power and motion control solutions provide seamless integration with existing aerospace infrastructure or new system builds.
- » **Advanced System Engineering:** Work side-by-side with controls experts to develop mission-ready automation solutions – from project evaluation to aftermarket support.
- » **On-Site Field Startup & Training:** We offer hands-on implementation, control fabrication, and training to ensure successful system deployment and long-term operational success.

YOUR MISSION IS CRITICAL. SO IS THE



Linear Motion Solutions for Aerospace and Defense

Precision Motion Control for Critical Applications

Our Duff-Norton linear motion solutions provide precision lifting, positioning, and load-handling capabilities in aerospace and defense operations—from aircraft maintenance to satellite deployment. These systems enhance safety and efficiency while ensuring success in the most demanding environments.



Featured Linear Motion Products

- » **Screw Jacks & Super Cylinders:** Heavy-duty lifting and load positioning solutions are designed for aircraft maintenance, defense testing, and spacecraft production facilities.
- » **Control Systems:** Custom-engineered motion controls for the lifting, positioning, and transfer needs of aerospace manufacturing and flight readiness testing.
- » **Actuators & Electric Cylinders:** Compact, efficient solutions for precision linear motion in automated military and aerospace systems.
- » **Mechanical & Electro-Mechanical Systems:** Integrated lifting and positioning solutions that provide seamless automation for high-load applications.

Built for Extreme Conditions

- » **Harsh Aerospace Environments:** Engineered to withstand extreme temperatures, high-load demands, and mission-critical applications.
- » **High-Capacity Load Handling:** Designed for heavy-duty aerospace operations requiring precision and stability.



EQUIPMENT THAT POWERS IT.

Columbus McKinnon: Your Trusted Strategic Partner

Training & Support for Aerospace & Defense Teams



Expert Guidance

Our team will help interpret complex specifications and provide tailored solutions for military and defense applications



Engineering & Customization

We offer engineered-to-order solutions for specialized military applications, including automation, linear motion, and high-capacity lifting systems



Buy American Act Compliance

Many Columbus McKinnon products are manufactured in the U.S. to meet government procurement requirements



Comprehensive Training

Take advantage of our expertise with operator and service training through online courses, in-person workshops, and on-site programs —ensure your teams are prepared for mission-critical operations

Contact Our Industry Expert

With over 30 years of experience, David Huntley specializes in the Aerospace and Defense sectors, driving innovative solutions that meet the highest standards.

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COLUMBUS MCKINNON FAMILY OF BRANDS



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