

WAZEECRANE

OVERHEAD LIFTING SOLUTIONS BY TIMKEN



**IS AGING
CRANE
TECHNOLOGY
COSTING
YOU?**

CRANE SOLUTIONS THAT WORK

Increased Efficiency. Less Downtime. Safer Operations.

For more than 150 years, overhead cranes have been used in many applications to move materials that other equipment cannot. As technology and processes change, so do material handling needs. Your aging overhead cranes may not continue to meet these demands.

Why Modernize?

Antiquated equipment such as control methods and brake systems typically result in inadequate load control, impact on crane drive components, reduced reliability and safety.

New, modern equipment can provide greater load control, better reliability, prolonged equipment life, reduced maintenance costs and improved safety.

Safety

Better control means improved safety. Built-in safety features reduce the possibility of lifting an over capacity load, minimize or eliminate dangerous load swing, prevent overheating of the motor and provide many other safeguards.

Reliability

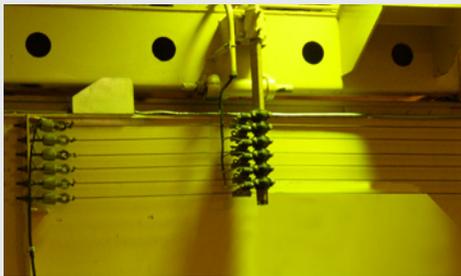
Modern control methods significantly reduce the impact and wear and tear on drivetrain components and brakes. Features, such as programmable acceleration and deceleration produce softer stops and starts, assure smooth transitions between speed steps and greatly reduce brake wear.

Crane specific software and serial communication provide valuable monitoring, equipment status, performance, and diagnostic information; Variable Frequency Drives provide the operator with a variety of operating modes and options.

Cost-Efficiency

The original equipment manufacturers designed the structural components of cranes to withstand mechanical forces far greater than normal, everyday operations, which is why it is not uncommon to find overhead cranes that are more than 80 years old still in operation today.

Rather than scrap an outdated crane, which is still structurally sound, it is often far more cost-effective to upgrade and modify the unit to meet current operational needs.



BEFORE



AFTER



BEFORE



AFTER

Why Choose Wazee?

Choosing A Modernization Partner

Your overhead cranes represent a significant capital investment. Choosing a company to partner with on your modernization project is a critical first step in assuring a successful modernization. Wazee has the experience, personnel, equipment and facilities to handle virtually any crane modernization project.

We know cranes inside and out. Every project is handled completely in-house from the concept evaluation to the engineering, testing and training. Wazee is uniquely qualified with an in-house motor and machine shop to provide turn-key service for your modernization project.

Our reputation is built on over 50 years in business and over 100 years combined experience as a premier crane builder and service provider in the United States.

- Over 100 crane modernizations completed
- In-house engineering
- Full service motor shop
- In-house machine shop
- 500,000 lbs of test weights – Eliminates the dangers of waterbag breakage and water disposal

Variable Frequency Drives

Control systems are the most important aspect of providing safe, reliable, cost-efficient operation of an overhead crane or hoist. Perhaps no other technological development in the past 30 years has done more to revolutionize overhead crane design than the AC Variable Frequency Drive (VFD). Today's Variable Frequency Controls and Flux Vector Motor Controls have become the industry standard for crane control.

Motor Brake Technology

One of the most important considerations in modernization is the replacement of outdated or unserviceable brakes with modern industrial braking technology. Old hydraulic brake systems tend to leak and create maintenance and environmental issues.

- Complete modern-design “drop-in” brakes are available, often at a cost less than rebuilding the existing component, and have significantly shorter lead times.
- Brake performance brake linings last significantly longer, especially when operated in conjunction with VFD's.
- Automatic adjustment features significantly reduce maintenance costs and down time.

Remote Controls

Cranes are typically controlled from the floor rather than from an operator's cab which requires a dedicated operator, rigger and signal person. Pendant controlled cranes often require the operator to remain close to the load creating challenges with obstructions. Remote wireless controls are reliable, safe, ergonomically designed and cost effective.

- Available with graphic displays and feedback for weight of load
- Allows the operator to remain a safe distance from the load
- Can be used from the cab for critical picks



WAZEE CRANE

Broomfield, Colorado
Phone: (303) 623-1736
Fax: (303) 623-1055
Email: info@wazee crane.com

Casper, Wyoming
Phone: (307) 462-0000
Email: info@wazee crane.com

Visit www.wazee.co

TIMKEN

The Timken team applies their know-how to improve the reliability and performance of machinery in diverse markets worldwide. The company designs, makes and markets high-performance mechanical components, including bearings, gears, chain and related mechanical power transmission products and services.

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Stronger. **Commitment.** Stronger. **Value.** Stronger. **Worldwide.** Stronger. **Together.** | Stronger. **By Design.**