

E·M·H
Engineered Material Handling



**Endtrucks for
Overhead Cranes**

Reliable transportation for overhead cranes

EMH Endtrucks

Just as a good car gives you years of trouble free service, EMH Endtrucks will transport your overhead cranes in a manner that maximizes crane life and minimizes the cost of operation and maintenance.

Manufactured at our Greater Cleveland Plant, the EMH Endtruck line includes a full complement of single girder, double girder and bogie styles and sizes.

The steel structure of the EMH Endtruck is a torsion resistant box girder prepared to be connected to the crane girder. A special endtruck/girder connection and high tech wheel design ensure that EMH Endtrucks will provide years of low maintenance operation, and be simple to service if repairs are needed.

The use of quick disconnect electrical plugs and a power lock wheel assembly make inspection and repair a snap. And because the wheels are graphite impregnated, they protect both the runway rails and the wheels themselves from wear.

Make sure your cranes include the most sophisticated endtrucks on the market. Call EMH today for detailed prices and specifications.

Bumpers

Polyamid bumpers at both ends absorb energy and meet OSHA requirements.



Drive Wheels

Our wheels are spheroidal castings impregnated with graphite. This means that as they roll, they also lubricate, protecting both the runway rails and the wheels from wear.

A splined drive axle directly engages the output shaft of the reducer.



Quick Disconnect Plugs

Pre-tested multi-pin plug and socket connections are used for quick, safe, mistake-proof electrical assembly.

Our quick disconnects are of the highest quality, vibration proof, and sealed from dust and moisture.



Drive Motors

Our standard drive motors are of single speed squirrel cage design with Variable Frequency Drive (inverter) controls. Inverters provide infinitely variable speeds and reduce starting current to the motor for extended motor life.

EMH endtrucks use a direct drive system, eliminating the need to lubricate open gears, pinions and couplings.

Our drive motors have Class F insulation. Large surface cooling fins are used for excellent heat dissipation. Quick disconnect plugs are used for convenient installation and service.



Bridge Brake

A DC rectified, magnet actuated disc brake is automatically applied in the event of power failure. The brake is self-adjusting, and virtually maintenance free.



Drive Wheel Assembly with Power Lock

Our wheel assembly is like no other in the industry. Simple yet rugged, it allows quick and easy wheel removal without special tools.

Also, the tapered power lock system eliminates the need for press fit and a keyway on the axle.

The EMH Endtruck/Girder Connection

Provides excellent stability in both the vertical and horizontal planes, and simplifies the installation process to ensure a perfectly aligned crane.

Each set of EMH Endtrucks comes complete with precision machined, pre-drilled girder endplates and high strength connecting bolts.

EMH "Micro-Drive" Control Advantages

- Single speed, rugged, maintenance-free squirrel cage motors instead of more expensive multi-speed or wound rotor motors.
- Inherent "soft" motions minimize mechanical shock loading and wear of the drive components, extending life expectancy and reducing maintenance and downtime.
- Elimination of normally high starting currents reduces electrical operation costs and motor temperatures.
- Smooth precise motion control results in higher productivity and efficiency while reducing product damage.

- Improved crane acceleration and deceleration control reduces load swing and increases overall operational safety.
- Electronic dynamic braking virtually eliminates brake wear and maintenance.
- Elimination of motor direction contactors reduces cost and maintenance.
- Ability to "reverse plug" and "jog", without damaging motors and drives, prevents breakdowns due to operator error.
- EMH, Inc. will select the properly sized Micro-Drive unit to deliver optimal performance.



Let EMH Handle It!

Founded in 1988, EMH (Engineered Material Handling) has quickly distinguished itself as an innovator in the overhead crane industry.

Whether your requirements include complete turnkey systems, standard cranes, crane kits, workstation crane systems or any related components, EMH provides you the highest quality products, plus the technical expertise to ensure a reliable and effective solution to your overhead material handling needs.

EMH is also the North American Distributor of hoists and components from ABUS, a leading European manufacturer. Additionally, our product line features the HB Enclosed Rail Work Station Crane System.

EMH is the one stop solution to your overhead material handling problems. Call us today!



Our expert staff plans each EMH project before sending it to our engineering department.



Fabrication of many components, plus the final assembly and shipping of the finished crane, are then performed at our state-of-the-art manufacturing plant. EMH maintains a full staff of installation and service personnel, as well as a national organization of qualified service representatives.



Our new facility opened in 1997.



Overhead Cranes



Jib Cranes



HB System



Electric Wire Rope Hoists



Electric Chain Hoists



Electronic Control Systems



High Performance Components

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