

NOMAD[®]

Complete Free Standing Bridge Crane Systems



A 7.5 ton NOMAD system at a western manufacturer of ducting.

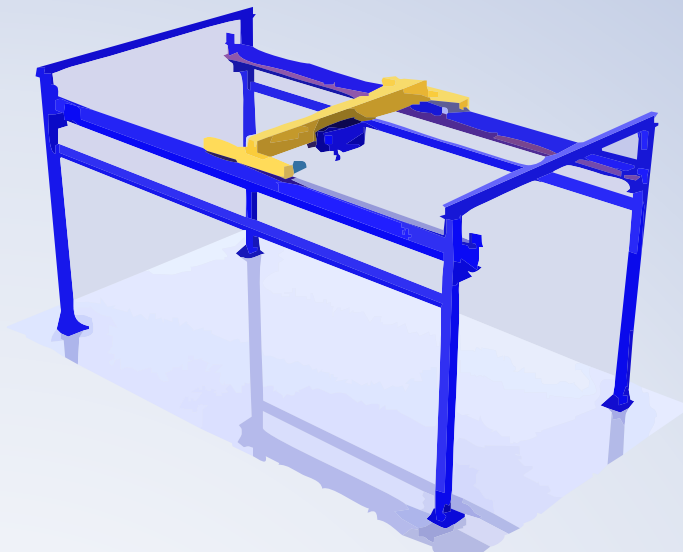


A NOMAD System at a Midwestern manufacturer of industrial containers was installed on a 182 foot freestanding runway located between concrete building supports.

The NOMAD's low profile allows the crane to fit under the low ceiling and still provide enough lift to clear machinery and change dies. A radio control facilitates operation in tight spaces.



A NOMAD Free Standing Crane system is used outdoors at this western water treatment plant. The crane lifts and changes filters.



Capacities to 10 tons
Standard Widths: 20, 25, 30, 35 and 40 feet
Single and Multiple Cell Runway Systems

NOMAD[®] finds a home in:

Precast Concrete Buildings

The NOMAD can often be installed without footers, eliminating the need for digging through and damaging existing floors.

Leased Buildings

All of the NOMAD's connections are bolted for easy disassembly and relocation. If you think you may move sometime in the future, you easily can take the NOMAD to a new site.

Buildings not designed specifically for overhead cranes.

The NOMAD's free standing structure supports loads your building's steel might not handle. And the low overhead design allows it to fit into sites where headroom might otherwise be a problem.

Think again if you've ruled out an overhead crane. NOMAD can give you the material handling you need at a price you'll like. Call EMH today for details.

Each system includes:

- Standard EMH Wire Rope Hoist with 20 ft. Lift
- EMH Top Running Endtrucks
- Bridge Control Panel
- Standard Hand-Held Radio Control
- Free Standing Runway Frame
- Instructions for Bridge Construction & Assembly
- Maintenance Manual

Complete Cranes

Capacities up to 300 tons ■ Spans up to 160 feet
Single & Double Girder ■ Top & Under Running
Gantries ■ Aluminum Crane Systems ■ Free Standing Systems



Certified to
ISO 9001:2008 Standards



Overhead Bridge Cranes



Gantry Cranes



AL Systems™ Aluminum Cranes

Crane Components

EMH Packaged Wire Rope Hoists
Custom Engineered Hoists for Class "D" & "E" Applications
Single & Double Girder, Top & Under Running Endtrucks
System 2000 Crane Kits



Engineered Hoists



Endtrucks



Standard Wire Rope Hoists



System 2000 Crane Kits

Service & Installation

Installation ■ Field Service & Repair ■ Crane Modernization
Spare Parts ■ OSHA Inspections ■ Safety Upgrades
Load Tests ■ Training



EMH overhead cranes and components are distributed by:

??-1010-?M

E·M·H[®]

Engineered Material Handling



Overhead Bridge and Gantry Cranes



Top Running Double Girder Cranes



Double girder cranes can be utilized at any capacity where extremely high hook lift is required because the hook can be pulled up between the girders. Double girder cranes are also ideal where high speeds and heavy service are required. They are well suited for cranes that require walkways, crane lights, cabs, magnet cable reels or other special equipment.



The double girder crane style allows a high hook lift by pulling the hook up between the girders. EMH fully assembles and tests each crane before shipment.

A 20 ton coil handling crane in a steel service center.

Selecting the Proper Crane Configuration

The structure of an overhead crane is determined by many factors, including the height to which it must be lifted, the distance it must be moved, and the strength and structure of the building in which it will be operated.

The advantages of the various structural designs are outlined on these pages, showing examples of common designs along with basic specifications. In addition, our Sales and Technical Staffs can assist you in selecting the most appropriate and economical crane for your needs.

Below:

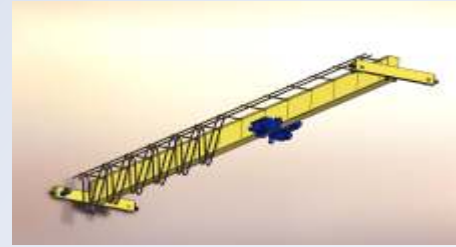
Two 30 ton EMH cranes with engineered hoists move large coils for two shifts each day at an Ohio steel service center.



Crane Type	Capacity	Max. Span
Structural Beam	1-20 tons	60 feet
Structural Beam	25-40 tons	50 feet
Box Girder	1-300 tons	140 feet

Top Running Single Girder Cranes

Single girder cranes are the most cost effective purchase for capacities up to 10 tons and 60 foot spans. By utilizing our box girder technology, EMH can also provide this version up to 20 tons and 120 foot spans. Reduced wheel loads combined with very low headroom standard hoists provide outstanding value.



Crane Type	Capacity	Max. Span
Structural Beam	1-10 tons	60 feet
Box Girder	1-20 tons	120 feet

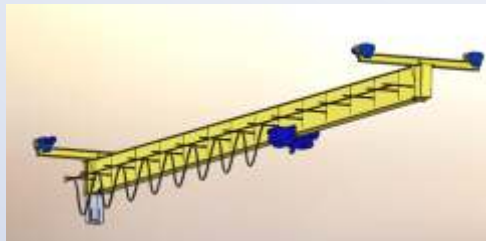
Four single girder cranes in a mold pattern shop.

Under Running Cranes



EMH offers under running cranes in standard capacities to 10 tons (special configurations up to 25 tons and over 90 foot spans). Underhung cranes offer excellent side approaches, close headroom and can be supported on runways hung from existing building members if adequate.

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Crane Type	Capacity	Max. Span
Structural Beam	1-10 tons	60 feet
Struct. Low Headroom	1-10 tons	60 feet
Box Girder	1-25 tons	120 feet



Wall Traveling Jibs & Special Applications

If your overhead material handling requirements are out of the ordinary, don't hesitate to give EMH a call. We have the design and engineering skills to provide solutions for unusual applications. The industries we serve include power plants, precast concrete products, metal service centers and plastic mold injection facilities.



Left:

Wall traveling jib crane.

Right:

A torsional crane allows high lifts on long spans in a single girder crane. This application uses the crane to set and remove pots of solutions used in a galvanizing operation.



Custom Engineered Crane Systems

Gantry Cranes

EMH builds a complete range of gantry cranes including single girder, double girder, double leg, single leg and cantilever styles for indoor or outdoor service. Capacities, spans and heights are almost unlimited.



Above:

EMH gantry cranes at a West Coast ship building yard.



A 25 ton, 120 foot gantry (above) positions architectural concrete panels on trucks for shipment.

A rotating "hammerhead" hoist (inset) with 360 degree rotation allows precise positioning of the load without the need for dual hoists.



The double leg, double girder gantry (right) has a pass-through cantilever that allows hoist movement beyond the wall on the left. All crane functions are operated by a fully enclosed cab with joystick controllers.

Custom Engineered Systems for Power Plants & Precast Concrete Applications

EMH is expert at combining complete, high quality standard products with experienced engineering to solve custom problems. We also readily and efficiently modify these standards to fit your particular application. We can assist you at any stage of your project with planning, design, specifications and drawings.



A 250/50 ton engineered crane undergoes load testing at a power plant. The specially engineered hoist at right features a service walkway to facilitate maintenance.



EMH is experienced in building cranes for the concrete industry. The crane at left is used with a Hawkeye machine by a manufacturer of concrete pipe.

