

# AL Systems™ Safe, precise, product handling from EMH



A lamp post style, free standing AL System™, shown at left, allows workstation placement in the most convenient and efficient location.

This frame consists only of four upright columns per runway cell. The crane runway is clamped onto the top of the frame at the corners using standard AL clamps, and the bridge is then hung from the runway.

This frame can be used with single and multiple cell AL Systems™. Maximum overall height is 15 feet (shown in photo).

All hardware and lamp posts available in 304 Stainless Steel.



A ceiling mounted double girder system moves machined parts among workstations. Runway supports are mounted above ceiling tiles for a clean, uncluttered appearance.



The AL System™ is used in the production process at a Midwestern boat glass plant.



## Rail

Rail for the AL Systems™ comes in three sizes, AL1, AL2 and AL3. The track construction gives the sections maximum twisting resistance and high load capacity despite their low weight.



Rail Made in USA

T-slots make it easy to mount every kind of accessory. Rail sections are anodized and completely maintenance free.

## Efficient, ergonomic handling of loads up to 2200 lbs.

As concerns for worker safety continue to grow, material handling for light loads is becoming ever more important.

The AL Systems™ Aluminum Rail Workstation Crane from EMH can efficiently transport any load up to 2200 lbs. **Light weight** and **unique profile with T-slots** allow systems to accept a wide variety of lifters and end effectors, and provide an almost unlimited number of configurations. **Monorail, single girder, and double girder** cranes can be **ceiling mounted** or installed with a **free standing** structure.

The **precise tolerances** of the rail combined with **smooth-running trolleys** will often allow manual operation where less advanced systems require costly motorization. Our **articulating system** ensures that loads will always move easily - **even at the ends of the bridge**.

AL Systems™ consist of a few easy-to-assemble U.S. Standard hardware components. A host of single and double girder configurations are possible. All steel components are zinc plated; ball nuts and ball nut plates coated with graphite-molycoating to reduce friction and wear. All hardware and lamp posts available in 304 Stainless Steel.



## Suspension

Standard suspension bracket adjusts up to a ten inch flange. Other sizes are available.

Ball nut is Teflon/Moly coated for superior wear resistance.



## Trolley

Anti-kickup nylon wheels ensure precise, smooth and safe movement of trolley along inside of rail.

There are no side guide rollers applying opening force to rail.



## Splice

Easy-to-install splicing system requires no special tools.

The gapless connection completely eliminates bumps when load is moved over splices.



A builder of components for the power transmission industry utilizes a conventional freestanding single girder system to safely handle high value loads.



An AL System with a lift assist device handles glass panels at a manufacturer of window and entrance systems.

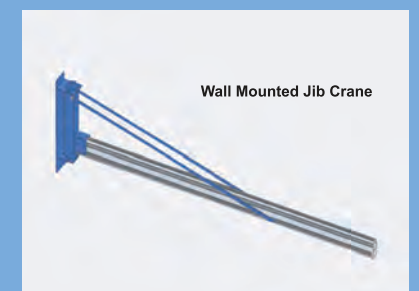


A ceiling mounted double girder system with vacuum lifter handles high end doors for the residential market.

## Typical AL Systems™ Configurations



"Lamp Post" Style Freestanding System



Wall Mounted Jib Crane



Single Girder Ceiling Mounted System



Conventional Style Freestanding System



Pillar Style Jib Crane



## 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 9001:2015 Standards**



**Overhead Bridge Cranes**



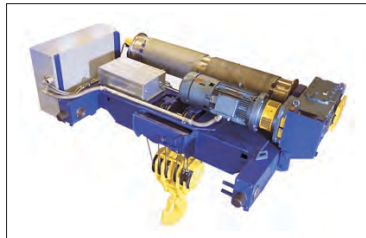
**Gantry Cranes**



**NOMAD® Free Standing Systems**

## 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



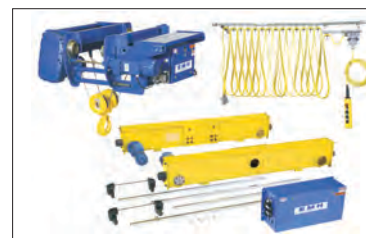
**Engineered Hoists**



**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

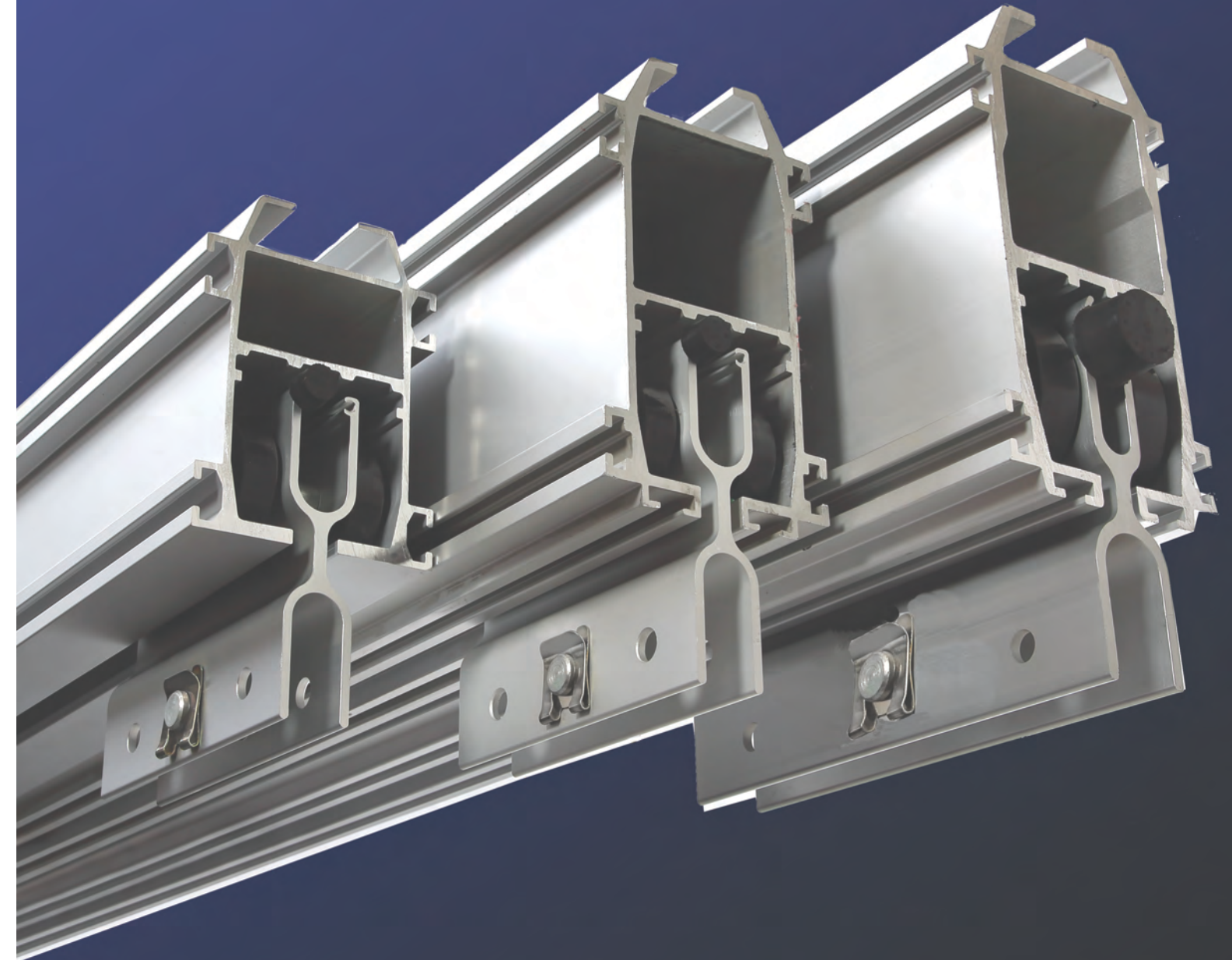


**AL Systems™** are distributed by:



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**E·M·H®**  
Engineered Material Handling



**AL Systems™**  
Aluminum Rail  
Workstation Cranes