



EMH Lifts Ergonomic Safety at Capitol Aluminum & Glass

Features & Benefits:

- AL System Cranes can efficiently accommodate a wide variety of lifters and handling devices.
- With lightweight aluminum track profiles, AL System Workstation Cranes are also easily configured to suit almost any application need.
- Anodized aluminum extrusions and enclosed rails maximize strength, provide durability and add to their aesthetics.
- With the EMH T-Slot design, installation with a wide variety of integrating equipment, such as lifters and end-effectors, chain hoists or smart lifters, is easier.
- AL System easily lifts loads up to 2,200 lbs. and is also easily assembled and positioned.
- AL System workstation cranes are mobile. They can be easily disassembled and reassembled should priorities or production cell requirements change.
- AL System workstation cranes provide flexibility.

Industry Group:

MHI Member Company
Crane Manufacturers Association of America (CMAA)
Material Handling Equipment Distributors Association (MHEDA)

According to a company spokesman, "Along with making our skilled workers more productive and making their work safer, employees are telling us that they are no longer exhausted at the end of the day."



AL Systems provided a cost-effective labor saving solution that enables workers to easily pick up and move heavy components between workstations.

Capitol Aluminum & Glass Corporation is known for manufacturing and distributing a wide range of energy efficient aluminum window, entrance, storefront, and curtain wall systems for architectural and school markets. The company employs skilled laborers handling specialized production equipment for cutting, machining, and assembling aluminum extrusions with glass. Heavy manual lifting was of ergonomic concern.

With the help of Handling Concepts, a local distributor and EMH, Capitol Aluminum & Glass found a better ergonomic solution, the EMH AL Systems™ workstation crane. Instead of having laborers pick up and then move heavy glass and aluminum components by hand using just a vacuum suction cup, AL Systems provided a cost-effective labor saving

solution that enables workers to easily pick up and move heavy components between workstations. The AL System is ideal for lifting loads up to 2,200 lbs., is easily assembled and positioned, or even easily disassembled and reassembled. It is also flexible. CAGC initially designed a 40-foot aluminum rail, but prior to installation found that by extending the aluminum runway rail by 20 feet, they could cover multiple workstations with the same crane.

At the same time CAGC was investigating AL Systems, a skilled laborer developed a major shoulder injury from heavy lifting. To help prevent future injuries, CAGC applied for the Ohio BWC Safety Intervention Grant, which helped fund the system. According to a company spokesman, "Along with making our skilled workers more productive and making their work safer, employees are telling us that that they are no longer exhausted at the end of the day."



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