

Electrification and Controls Manufacturers Association (ECMA) members are the Industry's leading suppliers of electrification and controlling devices. They supply solutions worldwide and in virtually every major manufacturing and distribution sector.

### Industry Size

The equipment that member companies manufacture are primarily used by many of the companies who are members of the following MHI Industry Groups;

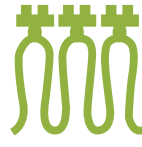
- CMAA – Overhead Cranes
- AS/RS – Automated Storage & Retrieval Systems
- CSS- Conveyor & Sortation Systems
- AGVS- Automated Guided Vehicles
- HMI – Hoist Manufacturers Institute
- MMA – Monorails Manufacturers Association
- LIFT – Lift Manufacturers

### Types of Products



#### Conductor Rail

Energized rails that provide power and control to moving equipment on fixed rails.



#### Festoon

Mechanical system consisting of guided supports with multiple rolling carriers used to manage movement of electrical power and/or control cable.



#### Cable Reel

Storage device to manage movement of electrical power and/ or control cable, from a stationary point to moving equipment.



#### Variable Frequency Drive

Type of motor controller that drives an electric motor by varying the frequency and voltage supplied to the electric motor.



#### Radio Remote Control

Cable-less control device for sending commands by the means of radio frequency to control types of moving equipment.



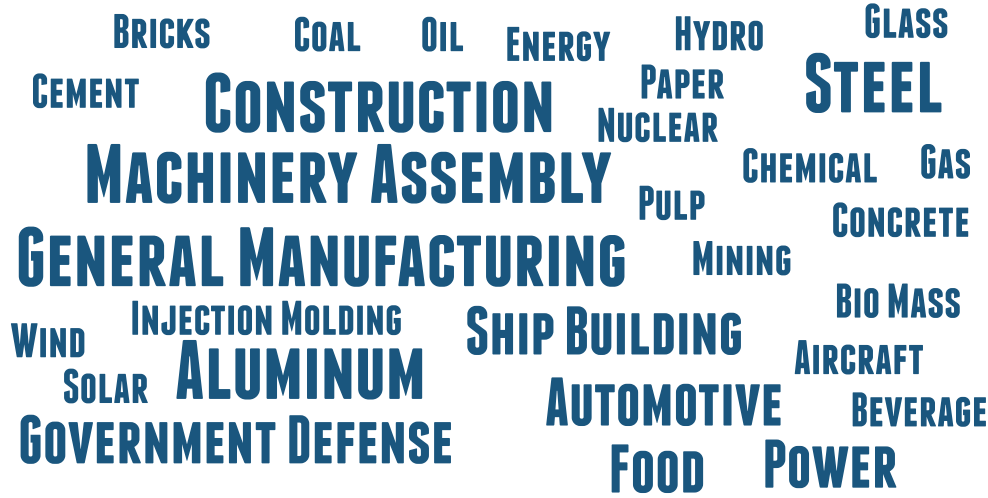
#### Load Brake

A device, other than a motor, used for retarding or stopping motion by friction or power means.

### Benefits



### Industries Served



### Interesting Fact:

Products designed and manufactured by member companies are used in every type of industry and by 90+% of MHI member companies. Without equipment manufactured by member companies, products designed to move & handle products such as overhead cranes, AS/RS, hoists, etc. would not operate.



### ECMA MEMBERS...

Are committed to providing products which focus on safety and innovation and delivering the proper solution for the required duty and performance which provides maximum benefits to our customers.

Learn about our member companies, [www.mhi.org/ecma/members](http://www.mhi.org/ecma/members).

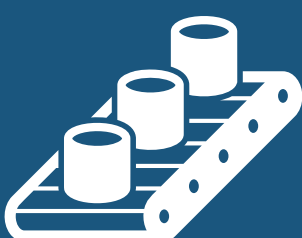
Learn more about why choose a ECMA member see our video at, [www.mhi.org/ecma](http://www.mhi.org/ecma).



### COMBINED EXPERIENCE

**1,000,000s**

Access to the combined knowledge / experience from millions of installed systems.



### TECHNICAL EXPERTISE

**1,000s**

Member companies offering a combined 1000 years of knowledge and expertise in industry.



### EDUCATIONAL RESOURCES

Engineering standards for Electric Overhead Travelling Cranes:

- Wireless control
- Electrification Systems
- Variable Frequency Drives

\* ECMA Meetings are conducted in a safe harbor environment.

\*\*MHI events include MODEX, ProMat and Spring/Annual meetings and conferences.