



# LINEAR ROBOTICS

BY MACRON DYNAMICS, INC.



Authorized by  
 **ELECTROMATE**

Toll Free Phone (877) SERV098  
Toll Free Fax (877) SERV099  
[www.electromate.com](http://www.electromate.com)  
[sales@electromate.com](mailto:sales@electromate.com)

[WWW.MACRONDYNAMICS.COM](http://WWW.MACRONDYNAMICS.COM)



# MOTION

# SOLUTIONS

## AUTOMATION SYSTEMS LINEAR ACTUATORS & DRIVES GANTRY & CARTESIAN ROBOTS

### MOTION FOR ANY APPLICATION

Linear robotics solutions and products for your unique application... that is what Macron Dynamics has delivered for more than 25 years. Industries from manufacturing, packaging, and amusement, to defense, aerospace, and medical have relied on the versatility of Macron linear robotics for countless motion applications.

Modular by design, Macron single and multi-axis products can easily be expanded upon and configured to meet your specifications. This means lower costs, less design time, and faster integration. So whether a standard plug-and-play actuator will do, or you need a more scalable packaging automation system, Macron linear robotics is the answer for your next motion challenge.



MSA-M6S



MSA-PSC



MacREADY Plug-and-Play



MSA-SB2



MSA-DRT

### BELT DRIVEN ACTUATORS

Actuators offer horizontal or vertical motion and are capable of travel up to 500 feet, speeds of 600 in/sec, and can accurately handle loads up to 10,000 lbs. Features include a proprietary extruded aluminum beam with T-slots, reinforced corrosion resistant belt, and a one-piece stress proof shafted pulley.

#### Service

Our comprehensive in-house capabilities include engineering, design, repairs, parts, machining, assembly, and beam processing, giving you total motion system service and support.

### SCREW DRIVEN ACTUATORS

Simple and economical, screw driven actuators are highly modifiable for different applications and perfect for lighter loads and high accuracy.



Dual Z-X

### 3 Ways to Buy

Every motion challenge is unique. That's why Macron makes it possible to order both single and multi-axis products as either base models, plug-and-play with motor and controls, or custom configurations built to meet your specs. MacSTANDARD, MacREADY, and MacBUILT – a solution for every application.

### MULTI-AXIS AUTOMATION SYSTEMS

Multi-axis system movement so versatile, you won't believe it's linear motion. Available in 2 and 3 axis designs, Macron multi-axis systems are built to meet the specifications of any time, space, or size necessary to your unique application.

Our gantry and cartesian systems are available standard or configured to meet your specs. Motor mounting flexibility, cable management solutions, and plug and play functionality are just a few added bonuses to our proven experience in belt and screw driven technology.



MacSTANDARD XZ Gantry



HBG-25 H-Bot Gantry





## Motion solutions since 1987.

**Built to last. We guarantee it.**



Macron Dynamics is a manufacturer of linear robotics solutions and mechanical motion components found in automation systems throughout the U.S. and around the globe. For more than 25 years, Macron has refined each component and every product through time-tested installations and experience. Macron products are built with the highest quality materials, assembled in the USA, and engineered to withstand the abuses of rigorous, daily usage. The result is a combination of versatility, positioning repeatability, durability, and virtually maintenance-free operation.

Macron linear robotics solutions are sold domestically and internationally through a select group of certified high-tech distributors and system integrators. A lifetime warranty is available for Macron approved installations. For more information regarding Macron products and services call 1-800-MACRON-1 or visit [www.macrondynamics.com](http://www.macrondynamics.com).