



**MACRON DYNAMICS, INC.**

[www.macrondynamics.com](http://www.macrondynamics.com)

**LINEAR ROBOTICS**  
**AUTOMATION COMPONENTS**  
**MOTION ACCESSORIES**

## ABOUT MACRON

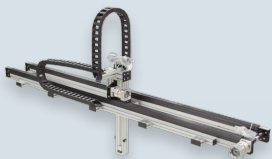
**Macron Dynamics, Inc.** is a manufacturer of linear robotic systems and mechanical motion components, providing automation solutions for applications found around the globe.

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.

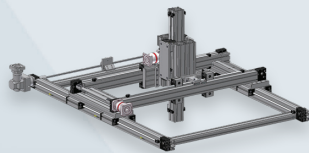
The trademarks of a Macron automation system include long travel capabilities, smooth, fast and repeatable belt driven motion, easy configuration, and extreme high quality.

## LINEAR ROBOTICS

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



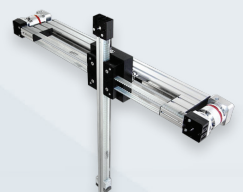
**X/Z HD Robot**



**X/Y/Z Robot**



**H-Bot**



**T-Bot**

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.

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LINEAR ROBOTICS > X/Y GANTRY ROBOTS

# X/Y GANTRY ROBOTS



## Features

- Flexible X/Y Gantry system built on workhorse MSA-14 actuator platform
- Standard travel options for rapid delivery and system application matching
- Positional repeatability +/- .05 mm [.002 inches]
- Speeds up to 3M/sec.
- Motor mounting orientation flexibility
- Can be configured with MPG gearboxes
- Vertical or Horizontal mounting capability
- Compatible with MacFRAME structural components
- Optional cable management solutions available

## MGS-14S OPTIONS

### X AXIS TRAVEL (MM)

311	561	811	1061	1311	1561	1811
Custom						

### Y AXIS TRAVEL (MM)

311	561	811	1061	1311	1561	1811
Custom						

### OPTIONS FOR:

Controls    Motor    Gearbox

## HOW TO BUILD YOUR MGS-14S:

**MGS - 14S - 25 - X - X - X**



## SPECIFICATIONS

Specifications	
Configuration	Dual X/Y
Belt Type	25
Maximum Load	150 lbs.
Standard X Travels	311 to 1811 mm
Standard Z Travels	311 to 1811 mm

## Macron Solutions Since 1987

MACRON DYNAMICS, INC.  
100 Phyllis Drive  
Croydon, PA 19021

1-800-MACRON-1 (1-800-622-7661)  
Phone: 267-557-3590  
Fax: 215-443-0981

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## Macron Guarantee

All Macron actuators and belt drives are covered by our  
1-Year Warranty