



MACRON DYNAMICS, INC.

www.macrondynamics.com

LINEAR ROBOTICS
AUTOMATION COMPONENTS
MOTION ACCESSORIES

ABOUT MACRON

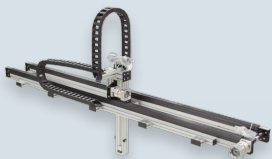
Macron Dynamics, Inc. is a manufacturer of linear robotic systems and mechanical motion components, providing automation solutions for applications found around the globe.

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.

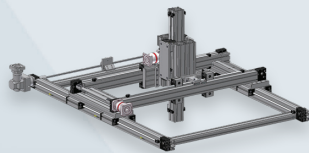
The trademarks of a Macron automation system include long travel capabilities, smooth, fast and repeatable belt driven motion, easy configuration, and extreme high quality.

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.



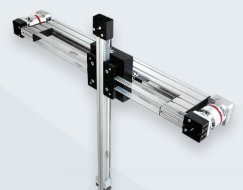
X/Z HD Robot



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 > DUAL X/Y GANTRY ROBOTS

DUAL X/Y GANTRY ROBOTS



Features

- Flexible dual X dual Y Gantry system built on workhorse MSA-14 actuator platform
- Standard travel options for rapid delivery and system application matching
- Dual axis increases load handling capacity
- Long carts provide higher moment load capability
- 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-14L OPTIONS

X AXIS TRAVEL (MM)

264

514

764

1014

1264

1514

Custom

Y AXIS TRAVEL (MM)

311

561

811

1061

1311

1561

1811

Custom

OPTIONS FOR:

Controls

Motor

Gearbox

HOW TO BUILD YOUR MGS-14L:

MGS - 14L - 25 - X - X - X

X Axis Travel

Y Axis Travel

SPECIFICATIONS

Specifications

Configuration

Dual X Dual Y

Belt Type

25

Maximum Load

300 lbs.

Standard X Travels

264 to 1514 mm

Standard Z Travels

311 to 1811 mm

Macron Solutions Since 1987

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Macron Guarantee

All Macron actuators and belt drives are covered by our

1-Year Warranty