



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.

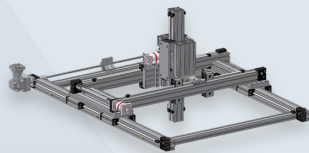
The trademarks of a Macron automation system include long travel capabilities, smooth, fast and repeatable belt driven motion, easy configuration, and extreme high quality.

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.

www.macrondynamics.com



LINEAR ROBOTICS > H-BOT GANTRY ROBOTS

H-BOT GANTRY ROBOTS



Features

- H-Bot configuration
- High speed, high performance 2 axis Cartesian robot
- Simple design: One single belt drives both axes
- Two fixed motor mounting locations
- Fixed motors reduce load, cable management and inertia requirements
- Positional repeatability +/- .10 mm [.004 inches]
- Sealed linear profile rail and bearing guidance
- Low profile
- Mounting flexibility in either horizontal or vertical orientation

HBG-25 OPTIONS

X AXIS TRAVEL (MM)

500

1000

2000

Custom

Y AXIS TRAVEL (MM)

500

1000

Custom

OPTIONS FOR:

Controls

Motor

Gearbox

HOW TO BUILD YOUR HBG-25:

HBG - 25 - 25 - **X** - **X** - X

X Axis Travel

Y Axis Travel

SPECIFICATIONS

Specifications

Configuration	X/Y H-Bot
Belt Type	25
Maximum Load	50 lbs.
Standard X Travels	500 to 2000 mm
Standard Z Travels	500 to 1000 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

© 2014 MACRON DYNAMICS, INC.

Macron Guarantee

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