

CARTESIAN LINEAR ACTUATORS

Modular construction makes design simple

The BA series Cartesian linear actuator, more commonly known as the ROIbot, uses a modular building block design, allowing single or multiple axis configuration to be built from the same standard components.

Manufactured by Toshiba Machine, this system allows for over 500 configurations whilst the compact design minimises space requirements. With a payload capacity of up to 150Kg per axis and an arm length of between 50mm and 2.5m, the BA series is perfect for even the most demanding applications.

Each axis can handle up to 150kg and features AC servomotors, precision ground ball screws and high rigidity linear guides. Motors can be mounted on either side of the axis, or underneath, to reduce its overall length. The junction box unit can be mounted almost anywhere along the axis and allows cable to exit from any of five directions. The ROIbot is supplied with a unique flexible tube carrier system, which can be mounted horizontally or vertically.



- Junction Box (CN Box) unit can be mounted almost anywhere along the axis and allows cable to exit from any five directions



- Unique flexible tube carrier system can be mounted horizontally (cable track style) or vertically (hoop cable style)



- "T" slots facilitate easy connection of external parts

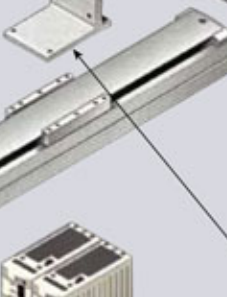
Axis Unit



- Brackets



- Slim axis designs available up to 1050mm (41.3 inch)



Master and Slave units



Cables

Axis features

- Absolute positioning - no need for home return
- Building block system - reduces part count
- Slim axes - space saving
- CE markings comply with European directives