



Motorless single axis actuator Robonity series

Basic model "LBAS" Advanced model "LGXS"



Features

1 Abundant variations Find the perfect specifications right away

With a wide variety of lead lengths and strokes, you can choose the model of the size and specifications you want.

2 Long stroke Can also be used for long-distance transportation

The stroke can be selected from 50 mm to 1450 mm. It is also ideal for long-distance transportation.

3 Easy to select Immediately understand tact and life

You can calculate the cycle time, guide and ball screw life on the website.

LBAS | Basic model

High rigidity

Compact

Low cost

● Easy change of motor mounting direction

The motor mounting direction can be easily changed with dedicated parts.

Standard specifications

Motor bending specifications



Standard



Left mounting



Right mounting



Bottom mounting

● Reduction of installation man-hours

1. The main body can be installed from the top and bottom without removing the exterior parts.
2. There is a reference surface on the side of the main body and a knock hole on the bottom for easy installation.

● Easy maintenance

Grease nipples on the side of the slider can be used to lubricate drive parts.

LGXS | Advanced model

High accuracy
accuracy grade C5

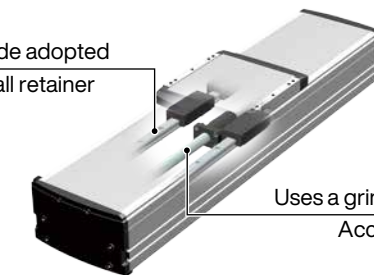
High durability

Clean specification
standard support

● High precision

- Uses a grinding ball screw
- Ball screw accuracy: Accuracy grade C5
- Repeated positioning accuracy: $\pm 5 \mu\text{m}$

LM guide adopted
With ball retainer



Uses a grinding ball screw
Accuracy grade C5

● Clean specifications standard support

Since a dustproof stainless steel sheet is used on the upper surface of the main body, it can be used in a clean environment simply by attaching a piping joint and sucking.

Sales area

- Japan ● Europe ● United States of America
- China ● Southeast Asia

Language

- English ● Japanese
- Chinese

For more information

URL : <https://global.yamaha-motor.com/business/robot/>



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