

Micro Linear Servo Actuator with Integrated Control

This micro linear servo actuator is designed for precise linear motion control. The compact actuator integrates a lead screw, reducer gearbox, motor, position sensor, servo driver, and force sensor for closed-loop control.



Overview

Precision Micro Linear Servo Actuator

This high-precision micro linear servo actuator is engineered for demanding applications that require exact linear motion control. It features a highly integrated design that combines a lead screw, reducer gearbox, motor, position sensor, servo driver, and force sensor into a single compact unit. This all-in-one solution offers exceptional power density, closed-loop force control, and high accuracy, making it an ideal choice for robotics, automation systems, and precision instrumentation.

Key Features

Core Advantages

Compact Size • High Accuracy • Integrated Drive & Control • Force Control • High Power Density

Technical Specifications

Integrated Components

- Lead Screw
- Reducer Gearbox
- Motor
- Position Sensor
- Servo Driver
- Force Sensor

Performance Metrics

23 mm

Diameter/Width

4000 N

Force Capacity