Compact Electric Cylinders

**DR Series**

**αSTEP AZ Series Equipped**

This linear motion actuator incorporates a ball screw into a stepper motor and offers the ability to reduce the size and weight of the overall machine. **AZ Series** features a hybrid control system for the drive motor. Because the **AZ Series** uses battery-free absolute sensors (ABZO sensors), other external sensors, such as a home sensor or limit sensor are not necessary.

**Reduces Startup Time**

- **Houses Entire Linear Motion**
  - # of Components can be Reduced
  - **◊ If Designed with Components**
    - Number of components: 9
  - **◊ When Using a DR Series Table Type**
    - Number of components: 1

**Typical Applications**

- Driving an X-Y Stage (Automated micrometer head)
- Centering of a Board
- Vertical Movement of Probes

Visit [www.orientalmotor.com](http://www.orientalmotor.com)

For further information (specifications, dimensions, speed-torque characteristics)
**Product Line**

**Rod Type**
- Uses a thrust force mounted in the machine

**Rod Type**
- Thrust force with additional stability with guide

**Table Type**
- Attach the load to the table

**Wide Table Type**
- Attach the load to the table

- **Frame Size:** 28 mm
- **Stroke:** 30 mm
- **Ball Screw Pitch:** 1 mm / 2.5 mm

**Driver Types (24 VDC)**

- **Built-in Controller**
- **RS-485 Communication Pulse Input**
- **Pulse Input**
- **EtherCAT, EtherNet/IP**
- **Multi Axis**

**System Configuration**

**Compact Linear Actuator**

**Connection Cable Set / Flexible Connection Cable Set**
- Max. Extension Length: 20 m (65.6 ft.)
- For Encoder
- For Motor
- For Electromagnetic Brake

- ◊ Connection Cable Sets
- ◊ Flexible Connection Cable Sets

**Driver**

**Accessories**

**DR Series**
- **Compact Linear Actuator**: DR28R18C03-AZAKU
- **Driver**: AZD-KD
- **Connection Cable**: CCM005VZ2F2
- **Price**: $1,164.00

**Accessory**
- **Connection Cable Set**: CC16D010B-1
- **Price**: $25.00

---

**ORIENTAL MOTOR U.S.A. CORP.**

**Technical Support**
Tel: 800-468-3982 7:30A.M. - 7:00P.M. C.S.T (M-F) E-mail: techsupport@orientalmotor.com

- 1,500 Products Next Day Shipping
- Free Sizing
- Over 10,000 Products Shipped within 7~9 Business Days
- Global Support

Printed in USA 20P 350 41C #544