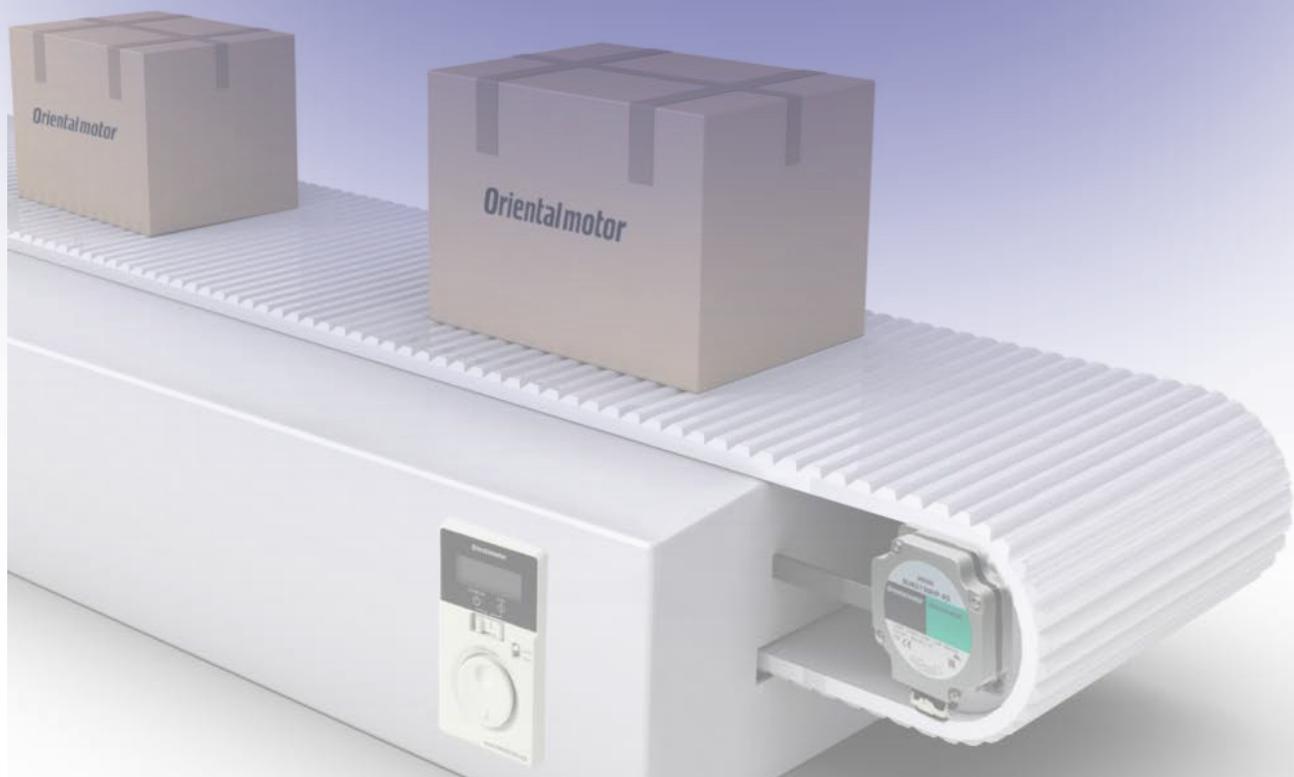


Orientalmotor

Motion Control Solutions for Material Handling

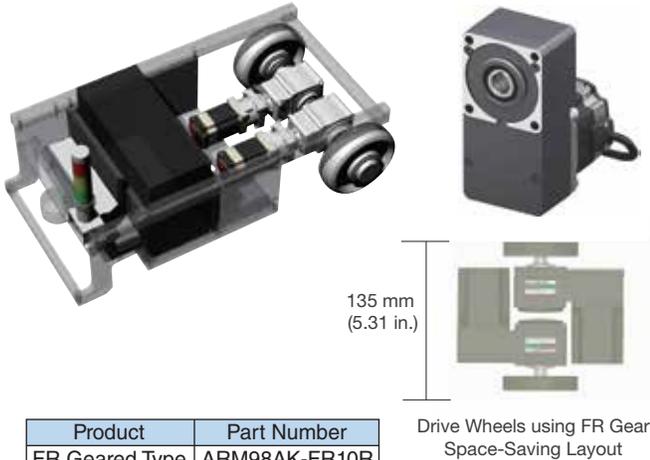


Application Examples

AGV



A DC input type motor and driver is offered for AGV/ AMR robots with speed regulation, high torque, and positioning. The FR gear saves space and fits in low floor transport vehicles.



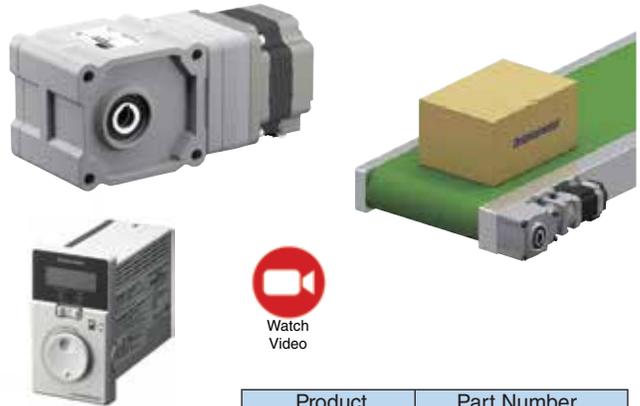
135 mm
(5.31 in.)

Drive Wheels using FR Gear
Space-Saving Layout

Product	Part Number
FR Geared Type	ARM98AK-FR10R
Stored Data Type	ARD-KD

Speed Control Conveyor

An optimized brushless design saves space with a right-angle hollow shaft gearhead. The BMU series driver is easy to operate with a front mounted dial.

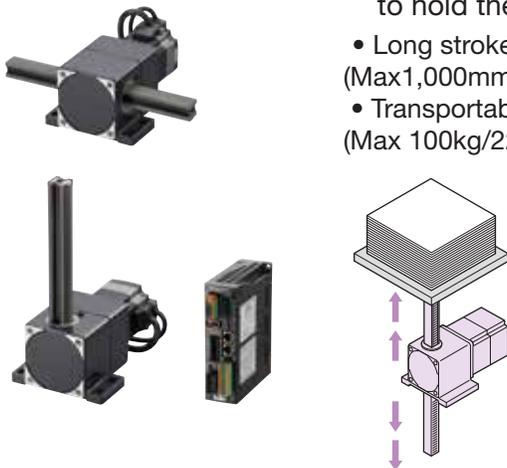


Product	Part Number
BMU Series Motor	BLM5200HPK-5XH20C
BMU Series Driver	BMUD200-C

Load Unloader

The preassembled Rack & Pinion L series is good for loader & unloader applications. Electromagnetic Brake type is offered to hold the position.

- Long stroke (Max 1,000mm/39.3in)
- Transportable mass (Max 100kg/220lb).



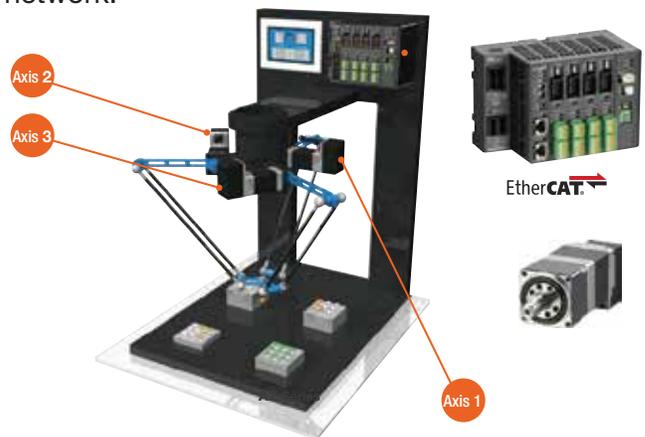
Product	Part Number
Rack & Pinion	LM4F40AZMC-10
AZ Series Driver	AZD-AEP



This 3-axis parallel link robot uses the AZ Series motors and a 3 axis driver. It is controlled by an HMI with a directly connected motion network.

Parallel Link Robot

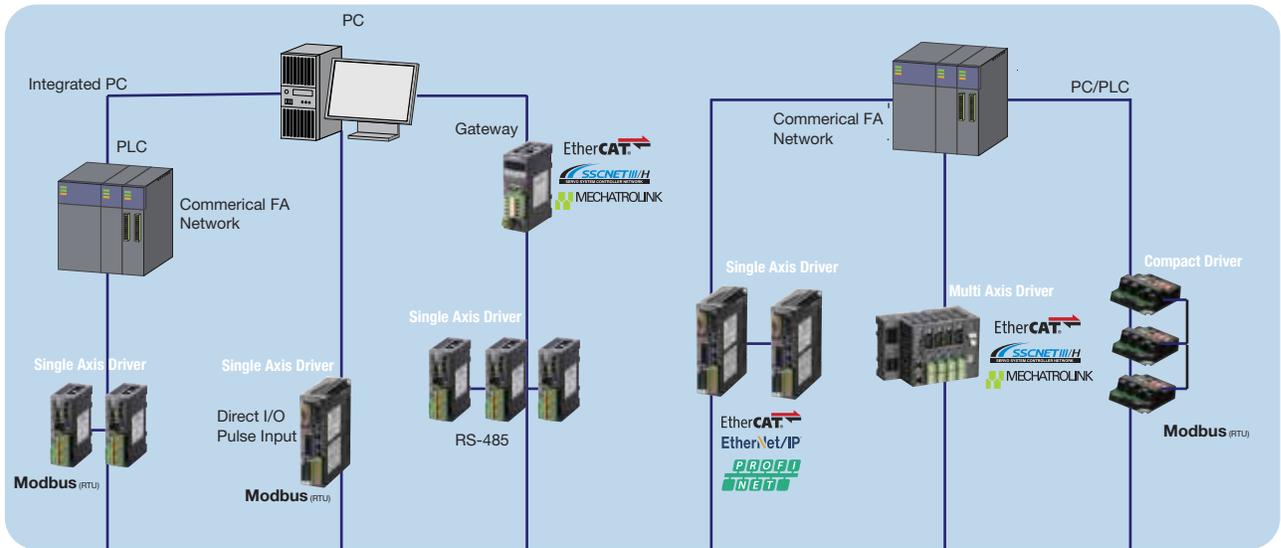
*Oriental Motor sells the motor and driver parts of this robot, we do not sell complete robotic systems



Product	Part Number
Harmonic Geared Type Motor	AZM24AK-HS50
Multi Axis Driver	AZD3A KED

Select Your Motor and Communication Control System

Network Communication

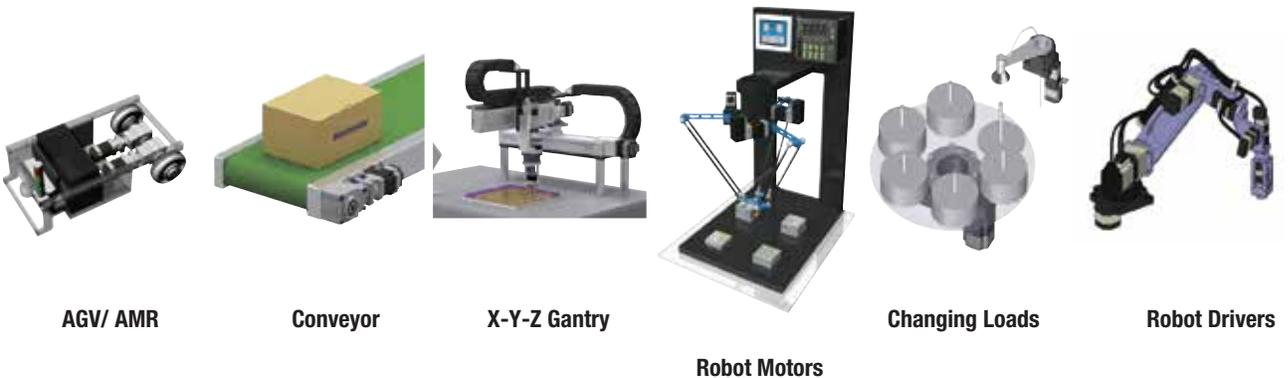


EtherNet/IP™ is a trademark of ODVA
 EtherCAT® is a registered trademark and patented technology, licensed by Beckhoff Automation GmbH, Germany.
 Modbus is a registered trademark of Schneider Automation Inc.
 SSCNETIII/H is a registered trademark of Mitsubishi Electric Corporation.
 MECHATROLINK is a registered trademark of MECHATROLINK Members Association.
 PROFIBUS is a trademark or a registered trademark of PROFIBUS Nutzerorganisation e.V. (PNO).

Motor



Application

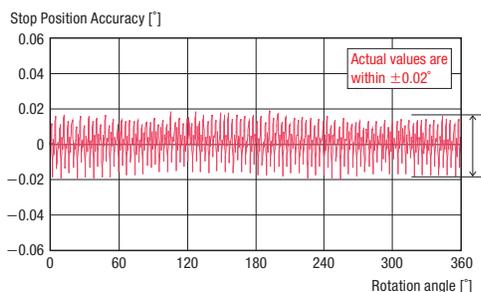


AZ Series α STEP Hybrid Control

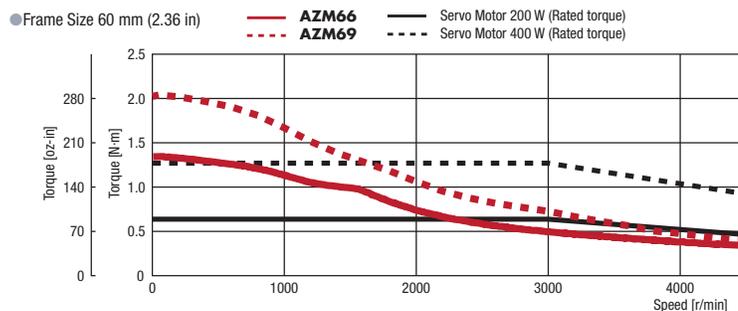


The AZ Series is a “hybrid” stepper motor-based motor & driver system that combines the advantages of the “open loop” set up programming with “closed loop” performance. In addition to high-accuracy positioning and speed control, it can perform control that restricts the motor's generated torque to a set value for push-motion operation.

● Stopping Accuracy



● High Performance



Drivers



Motor/ Geared Types

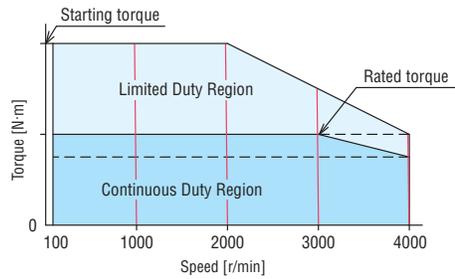


Actuator Types

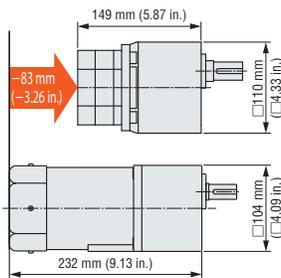


Brushless DC Motors

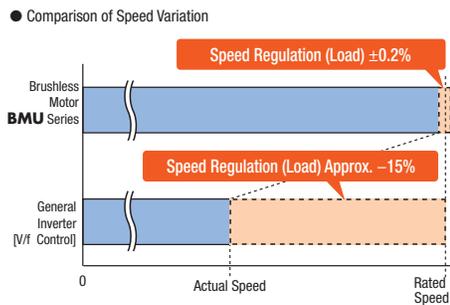
Brushless motors maximize system efficiency and can move heavy loads with a compact drive system. They provide high torque with a wide speed range. Compared to AC motors, Brushless motors save space, offer more speed stability, and reduce power consumption.



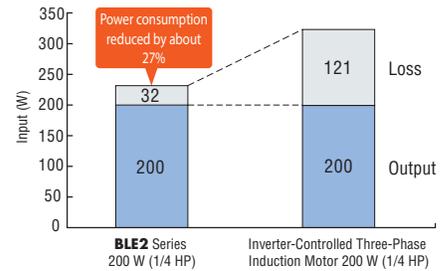
More Compact



Speed Stability



Save Energy



BLH/ BLV Series



- Hollow Shaft Flat Gear (FR Type) for AGV



- Input Voltage: 24/48VDC
- Out put: BLH Series 15W~100W
BLV Series 200W/400W
- Parallel shaft gearhead / Parallel hollow shaft flat gearhead
- Flange output head offers higher premissible load
- Electromagnetic brake is available
- RS-485 communication is available

- Stop and Hold Using Electromagnetic Brake



BMU/ BLE2 Series

- IP67 Degree of Protection

- H1 Food Grade Grease

*Only available with IP66 degree of protection



BLE2 Series
0-10 VDC
External Control

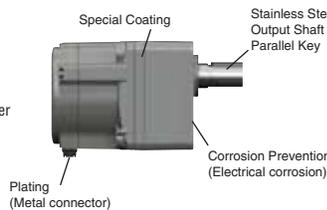


BMU Series
Simple Control

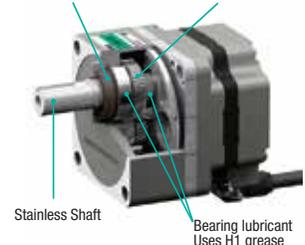
Connector Structure



Casing Structure and Seal

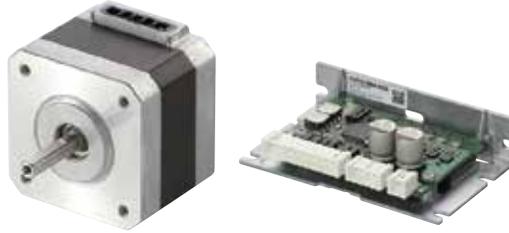


Oil seal lubricant Uses H1 grease
Gear lubricant Uses H1 grease



CVK-SC Stepper Motor & Driver Speed Control System

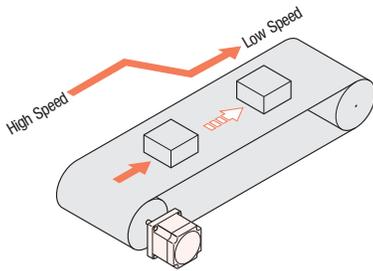
- No pulse generator needed
- 2 speed settings possible
- Compact and higher torque motor
- Improved stop position repeatability
- Maintains torque, even when stopped



The simple motor and driver configuration makes speed control possible. Control is easy. Select 2 speeds, and turn the start input ON or OFF.

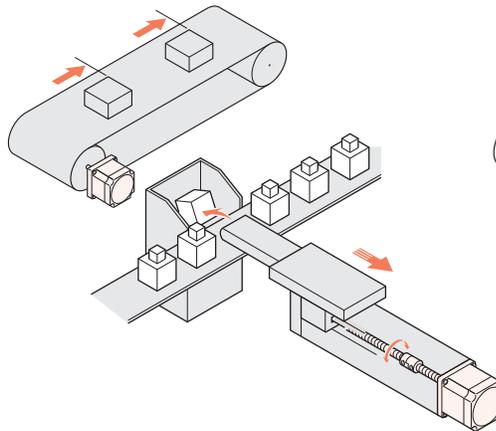
● Speed Selection

2-speed selection operation



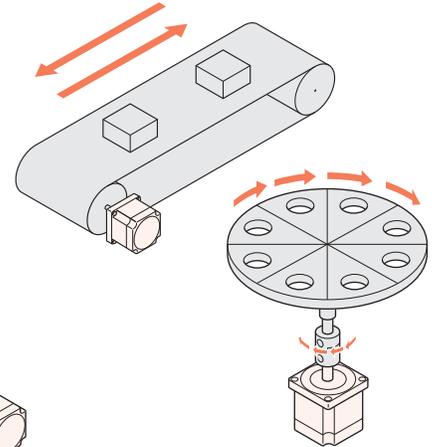
● Return Operation

Turn the CW/ CCW input ON or OFF



● Regular Feed Operation

Turn the forward input ON or OFF



ORIENTAL MOTOR U.S.A. CORP.

8:30 A.M. to 5:00 P.M., P.S.T. (M-F)
7:30 A.M. to 5:00 P.M., C.S.T. (M-F)

Western Sales and Customer Service Center

Tel: (310) 715-3301 Fax: (310) 225-2594

Los Angeles

Tel: (310) 715-3301

San Jose

Tel: (408) 392-9735

Midwest Sales and Customer Service Center

Tel: (847) 871-5900 Fax: (847) 472-2623

Chicago

Tel: (847) 871-5900

Detroit

Tel: (734) 808-0003

Dallas

Tel: (214) 432-3386

Toronto

Tel: (905) 502-5333

Eastern Sales and Customer Service Center

Tel: (781) 848-2426 Fax: (781) 848-2617

Boston

Tel: (781) 848-2426

Charlotte

Tel: (704) 766-1335

New York

Tel: (973) 359-1100

Sales

E-mail: sales@orientalmotor.com

Tel: (800) 448-6935

Technical Support

Tel: (800) 468-3982

E-mail: techsupport@orientalmotor.com

Obtain Specifications, Online Training
and Purchase Products at: www.orientalmotor.com