

# ELECTRIC ACTUATORS DIGEST

– Introduction of electric motion components utilizing our expertise in pneumatics –



Use this QR code to visit our  
special electric actuator website





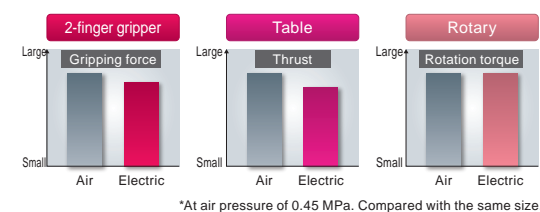
# F Series

FLCR/FLSH/FGRC

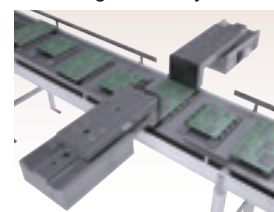
## Performance & Dimensions equivalent to Pneumatics

The common sense that the size increases when electric motion is introduced has changed. The same capabilities are provided with the same installation dimensions. Towards equipment that further saves space.

### Achieves the same capacity as air components



Centering differently sized workpieces



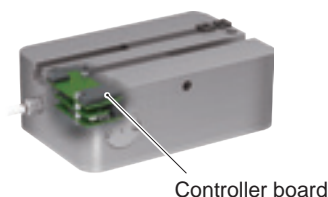
## FFLD Series

Long stroke & High rigidity. Thin body reduces moment of inertia. Built-in controller saves space and wiring.

### Built-in controller



End of articulated robot



Controller board

## Lineup of single-axis and multi-axis controllers

# ECMG ECG Series

## Control panel space reduction × improved performance

### Space

Can be connected to up to 16 axis \* with various actuators. Allowing adjacent installation, contributes to a reduction in control panel space.

\*When connecting ECMG

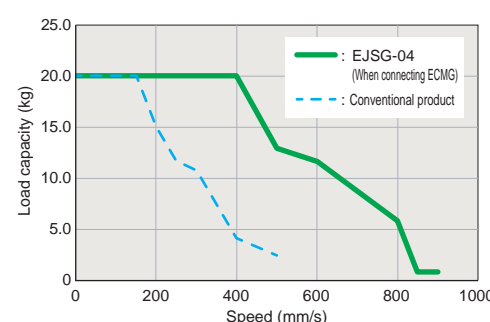
Space saving  
**40%**  
Conventional

ECMG Series

### Performance

Basic actuator performance is greatly improved. Maximum payload by speed is 5 times that of conventional models, and maximum speed is 2 times that of conventional models.

\* When connecting ECMG  
\* Target actuator is EJSG, EBS/R-G



GSSD2/GSTK/GSTG/  
GSTS/GSTL/GCKW

# G Series

## High rigidity of air components

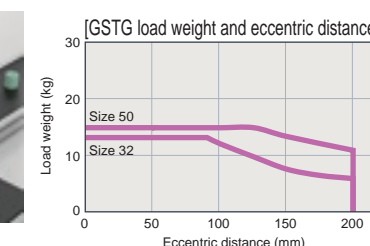
Achieves the same rigidity as a pneumatic body. Advancing to a carbon neutral era by electrification.



Multi-model workpiece transfer process



Multi-model workpiece gripping process



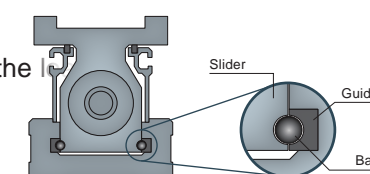
# EJSG EBR-G Series

## High rigidity × space saving

Highly rigid body reduces the need for annexed guides and contributes to space saving. Easy maintenance ensures long product life and SDG-like usage.

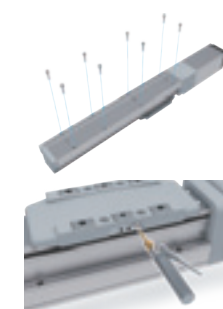
### Structure

The guide which supports the load uses an outer rail system.



### Maintenance

Mounting holes provided on top and bottom. Disassembly of body is not required for mounting and maintenance. Battery-less absolute encoder does not require replacement of battery. A grease lubrication port that allows lubrication from the side is available.



Supports a wide range of environments (EJSG Series)



# ROBODEX Pulse

Electric actuator with stepper motor drive. A highly rigid body for safe and secure equipment.



Stepper motor equipped type. For multi-point positioning.

Table	2-Finger Gripper		Rotary	2-Finger Gripper	
<b>FLCR Series</b>   Max. stroke: 100mm Max. speed: 300 mm/s Max. payload (horizontal): 11 kg	<b>FLSH Series</b>   Max. stroke: 22 (11 per side) mm Max. gripping force: 65 N (one side)	<b>FGRC Series</b>   Max. angular speed: 200deg/s Maximum torque: 4.66N·m	<b>FFLD Series</b>   Max. stroke: 160 (80 per side) mm Max. gripping force: 500N (one side)		
Rod	Stopper-type	Guided	Guided	Guided	Guided
<b>GSSD2 Series</b>   Max. stroke: 100mm Max. speed: 500 mm/s Max. payload (horizontal): 14.8 kg	<b>GSTK Series</b>   Max. stroke: 30mm Max. speed: 500 mm/s Max. thrust: 192N	<b>GSTG Series</b>   Max. stroke: 100mm Max. speed: 500mm/s Max. payload (horizontal): 14.8 kg	<b>GSTS Series</b>   Max. stroke: 50mm Max. speed: 500 mm/s Max. payload (horizontal): 14.8 kg	<b>GSTL Series</b>   Max. stroke: 200mm Max. speed: 500 mm/s Max. payload (horizontal): 14.8 kg	
3-Finger Gripper	Environment-resistant slider	Rod with built-in guide	Multi-axis controller	Single axis controller	
<b>GCKW Series</b>   Max. stroke: 6 (3 per side) mm Max. gripping force: 29 N (one side)	<b>EJSG Series</b>   Max. stroke: 1,100 mm Max. speed: 850mm/s Max. payload (horizontal): 80 kg	<b>EBR-G Series</b>   Max. stroke: 700mm Max. speed: 900 mm/s Max. payload (horizontal): 80 kg	<b>ECMG Series</b>   Interface: CC-Link, EtherCAT, EtherNet/IP	<b>ECG Series</b>   Interface: PIO, IO-Link, CC-Link, EtherCAT, EtherNet/IP	

## ROBODEX Pulse D Series

Inherits the DNA of pneumatic components. For positioning applications between two points.

Rod	Stopper-type	Guided	Guided	Guided	Compact guided	2-Finger Gripper	3-Finger Gripper
<b>DSSD2 Series</b> 	<b>DSTK Series</b> 	<b>DSTG Series</b> 	<b>DSTS Series</b> 	<b>DSTL Series</b> 	<b>DMSDG Series</b> 	<b>DLSH Series</b> 	<b>DCKW Series</b> 

## ROBODEX Servo

Servo motor equipped type. For applications requiring high load capacity and high rigidity.

Slider/rod type	Horizontal articulated robot	Slider
<b>KBX Series</b> 	<b>KHL/KHE Series</b>  Japan only release	<b>EKS-M Series</b>  Japan only release

## ROBODEX Std.

Can be used with the motor of your choice. Familiar motors with familiar controls.

Slider type (ball screw drive)	Rod	Slider type (ball screw drive)	Slider (ball screw drive/low dust)	Slider type (belt drive)	Slider (Belt drive/low dust)	Slider type (ball screw drive)	Electric shuttle mover
<b>EBS-L Series</b> 	<b>EBR-L Series</b> 	<b>ETS Series</b> 	<b>ECS Series</b> 	<b>ETV Series</b> 	<b>ECV Series</b> 	<b>EKS-L Series</b> 	<b>ESM Series</b> 

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