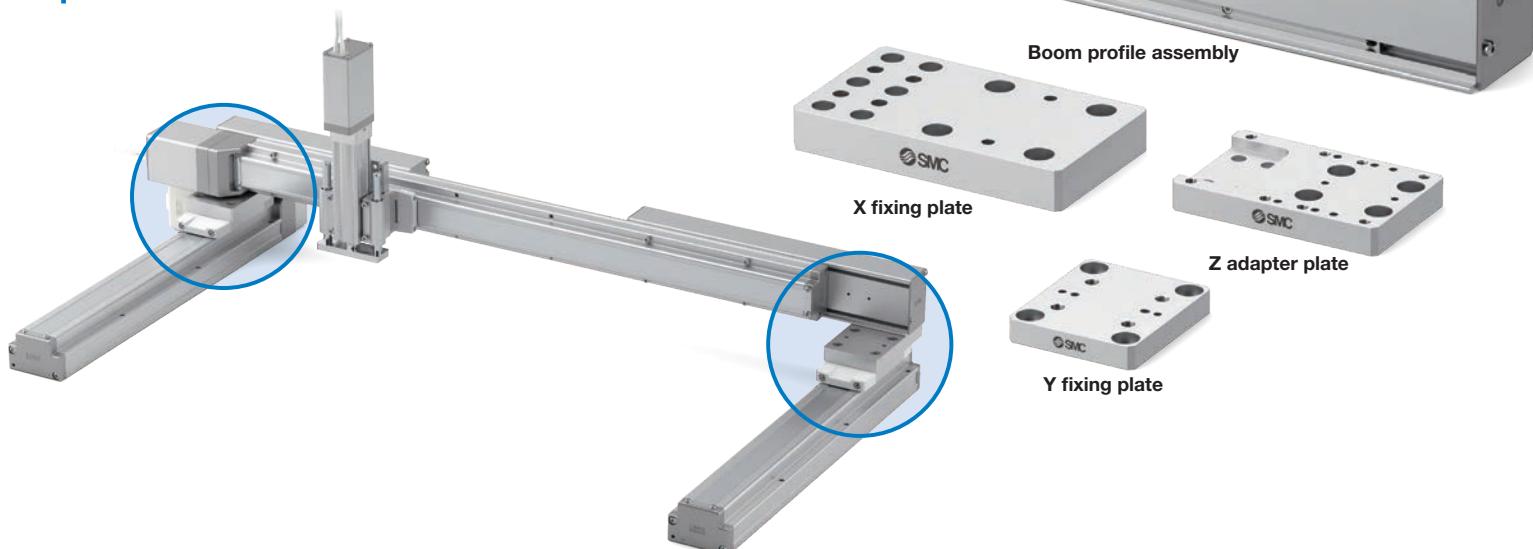


Creation of an XYZ unit

Easy system construction using the model selection software



Compatible Actuators

X-Y-axis

Ball Screw Drive
LEFS Series



Belt Drive
LEFB Series



High Rigidity and High Precision
Slider Type
LEKFS Series



Z-axis

Guide Rod Type
LEYG Series



Compatible Controllers/Drivers <For single axis>

JXC51/61 Series



JXC91/E1/P1/D1/L1/M1 Series



LECS □-T/LECY □ Series

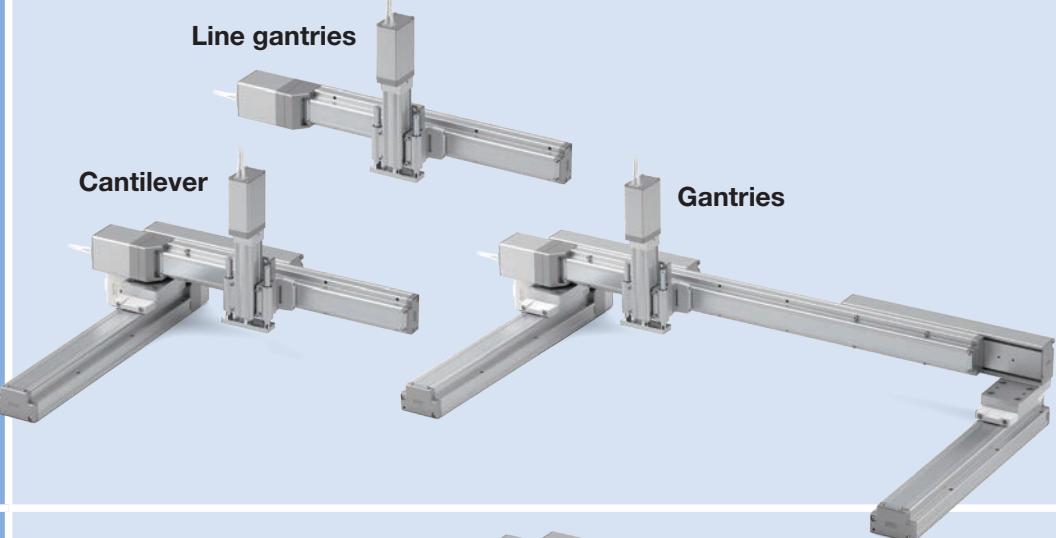
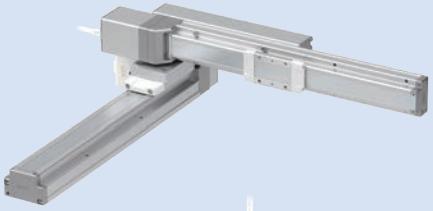
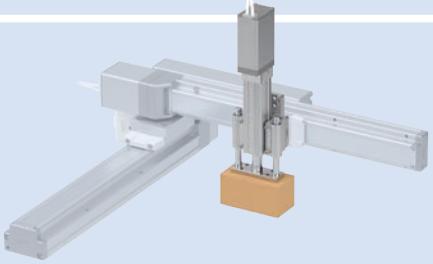


LEA Series

Mounting Kit for Multi-Axis System *LEA* Series

Selection Process

For selection, use the Model Selection Software.

Selection item	Customer Information
Portal type	 <p>Line gantries Cantilever Gantries</p>
↓ X-, Y-axis	<ul style="list-style-type: none"> • X-axis stroke • Y-axis stroke • Cycle time 
↓ Z-axis	<ul style="list-style-type: none"> • Z-axis stroke • Cycle time • Load mass 
Selection result	<p>• Part numbers for each X-, Y-, and Z-axis • Part numbers for Mounting Kit for Multi-Axis System</p>

From Selection to Shipment



* Order the actuator separately.

X-Y axis combination		Y-axis			
		LE(K)F□16	LE(K)F□25	LE(K)F□32	LE(K)FS40
X-axis	LE(K)FS16	●			
	LE(K)FS25	●	●		
	LE(K)FS32	●	●	●	
	LE(K)FS40	●	●	●	●

Y-Z axis combination		Z-axis	
		LEYG16	LEYG25
Y-axis	LE(K)F□16	●	
	LE(K)F□25	●	●
	LE(K)F□32	●	●
	LE(K)F□40	●	●

Compatible Actuators

X-Y-axis



● LEFS Series

Drive method	Motor type	Product no.
Ball screw	Step motor (Servo 24 VDC)	LEFS16□ LEFS25□ LEFS32□ LEFS40□
	Servo motor (24 VDC)	LEFS16□A LEFS25□A
	Battery-less absolute (Step motor 24 VDC)	LEFS16□E LEFS25□E LEFS32□E LEFS40□E
	High performance (Step motor 24 VDC)	LEFS16□F LEFS25□F LEFS32□F LEFS40□F
	High performance Battery-less absolute (Step motor 24 VDC) *1	LEFS16□G LEFS25□G LEFS32□G LEFS40□G
	AC servo motor (100/200 VAC)	LEFS25□ [S2/T6/V6] LEFS32□ [S3/T7/V7] LEFS40□ [S4/T8/V8]

*1 Acceleration/deceleration needs to be equal to or less than 3000 [mm/s²].



● LEFB Series

Drive method	Motor type	Product no.
Belt	Step motor (Servo 24 VDC)	LEFB16 LEFB25 LEFB32
	Servo motor (24 VDC)	LEFB16A LEFB25A
	Battery-less absolute (Step motor 24 VDC)	LEFB16E LEFB25E LEFB32E
	AC servo motor (100/200 VAC)	LEFB25 [S2/T6/V6] LEFB32 [S3/T7/V7] LEFB40 [S4/T8/V8]

* The LEFB series cannot be used on X-axis.



● LEKFS Series

Drive method	Motor type	Product no.
Ball screw	Battery-less absolute (Step motor 24 VDC)	LEKFS16□E LEKFS25□E LEKFS32□E LEKFS40□E
	High performance Battery-less absolute (Step motor 24 VDC)*1	LEKFS25□G LEKFS32□G LEKFS40□G
	AC servo motor (100/200 VAC)	LEKFS25□ [S2/T6/V6] LEKFS32□ [S3/T7/V7] LEKFS40□ [S4/T8/V8]

*1 Acceleration/deceleration needs to be equal to or less than 3000 [mm/s²].

* Scan the QR code.

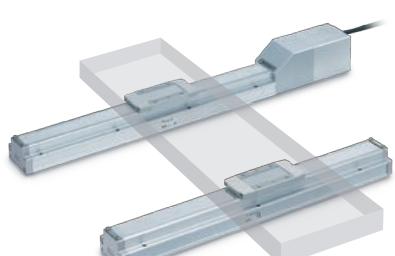
Z-axis



● LEYG Series

Drive method	Motor type	Product no.
Ball screw	Step motor (Servo 24 VDC)	LEYG16□ LEYG25□
	Battery-less absolute (Step motor 24 VDC)	LEYG16□E LEYG25□E
	AC servo motor (100/200 VAC)	LEYG25□ [S2/T6/V6]

[Support guide] for gantry



LEFG
Support guide for
ball screw drive actuator

LEFG Series [Support guide]

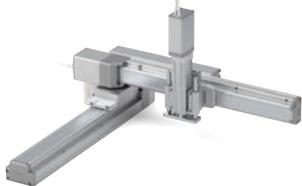
Type	Series
Support guide for ball screw drive actuator	LEFG16-S LEFG25-S LEFG32-S LEFG40-S

LEA Series X-Y-Z Unit Construction

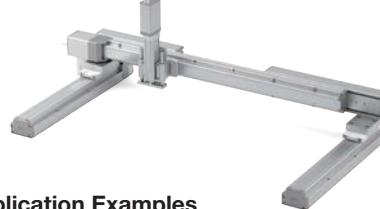
Line gantries (Y-Z)



Cantilever (X-Y-Z)



Gantries (X-Y-Z + Support guide)



Application Examples

Actuator	Y-axis	Type	LEF16	LEF40
		Stroke [mm]	500	1000
	Z-axis	Type	LEYG16	LEYG16
		Stroke [mm]	100	200

Application Examples

Actuator	X-axis	Type	LEF25	LEF40
		Stroke [mm]	800	1000
	Y-axis	Type	LEF16	LEF32
	Z-axis	Type	LEYG16	LEYG25
		Stroke [mm]	100	300

Application Examples

Actuator	X-axis	Type	LEF32	LEF40
		Stroke [mm]	800	1000
	Y-axis	Type	LEF25	LEF32
	Z-axis	Type	LEYG16	LEYG25
		Stroke [mm]	100	300

Controllers for SMC Actuators

Step Motor Controller

Battery-less Absolute (Step Motor 24 VDC)



■ Direct communication with the control and transfer of numerical data due to communication with a high transfer rate (10/100 Mbps)

■ Dual-port connection (IN and OUT) makes it possible to construct linear and DLR topologies:

Less cabling
Redundant communication in DLR
Easy to identify the splitting point

■ Parametrization using software or teaching box

AC Servo Motor Drivers

AC Servo Motor

