

2-axis spec selection guide

Setting method

While checking conditions in order starting from ①, proceed to the right. Select the desired model in ⑥.

① Select the arm variation

Arm type

The type with moving Y-axis carriage.

Gantry type

The type with a guide railing at the end of Y-axis for support.

Moving arm type

The type with a moving Y-axis arm.

Pole type

The type with vertically moving Y-axis carriage.

XZ type

The type with combination of X-axis for horizontal movement and Z-axis for vertical movement.

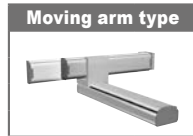
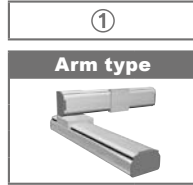
② Select a line satisfying both the Y-axis stroke and payload and move to the right.

③ Check the cable types

④ Check the X axis stroke

⑤ Select the desired speed

⑥ Decide the model



		②									
		Y-axis stroke (mm)									
		50	100	150	200	250	300	350	400	450	500
Payload (kg)	4.5	4.5	3.5	2.5	2	1.5					

		Y-axis stroke (mm)									
		150	250	350	450	550	650	750	850	950	1050
Payload (kg)	12			11	9	7					
	12			11	9	7					
	7	6		5	3						
	7	6		5	3						
	7	6		5	3						
	20	17	15	13	11	9					
	20	17	15	13	11	9					
	19	16	14	12	10	8					
	14	12	10	8	7						
	25	21	18	16	13	11					
	30		25	20	16						
	30		25	20	16						
	29		24	19	15						
			40	35	30						
		40	35	30							

		Y-axis stroke (mm)									
		150	250	350	450	550	650	750	850	950	1050
Payload (kg)				30				25	20		
				29				24	19		
							50				
							50				

		Y-axis stroke (mm)									
		150	250	350	450	550	650	750	850	950	1050
Payload (kg)	15	14	13								
			20								
			30								

		Y-axis stroke (mm)									
		150	250	350	450	550	650	750	850	950	1050
Payload (kg)				8							
				20							
				20							
							30				
							30				

		Z-axis stroke (mm)									
		150	250	350	450	550	650	750	850	950	1050
Payload (kg)	10										
	10										
	8										
	3										
	5										
	10										
	8										
	15										
	14	13	12								
			20								
			30								

③
Cable type
Cable carrier

④
X-axis stroke (mm)
150 to 650

⑤
Maximum speed (X-axis / Y-axis) (mm/sec)
720 / 720

⑥ Decide the model	
Model ^(Note 1)	Detailed info page
PXYx-C-A*	P374

Cable type
Cable carrier
Cable carrier
Cable carrier
Whipover
Cable carrier
Cable carrier
Whipover
Cable carrier
Cable carrier
Cable carrier
Cable carrier
Whipover
Cable carrier
Cable carrier
Cable carrier
Cable carrier

X-axis stroke (mm)
150 to 1050
150 to 1050
150 to 2450
150 to 950
150 to 2450
150 to 1050
150 to 850
150 to 1050
150 to 3050
500 to 2000
250 to 1250
250 to 850
250 to 1250
250 to 1250
250 to 1250
1150 to 2050

Maximum speed (X-axis / Y-axis) (mm/sec)
1200 / 800
1200 / 800
1875 / 1875
1875 / 1875
1875 / 1875
1200 / 1200
1200 / 1200
1875 / 1875
1200 / 1200
1200 / 1200
1200 / 1200
1200 / 1200
1200 / 1200
1200 / 1200
1200 / 1200
1200 / 1200

Model	Detailed info page
FXyX-C-A*	P376
FXyX-C-A* (I/O)	P378
FXyBx-C-A*	P382
FXyBx-S-A*	P384
FXyBx-C-A* (I/O)	P386
SXYx-C-A*	P388
SXYx-S-A*	P390
SXYx-C-A* (I/O)	P392
SXYBx-C-A*	P406
NXY-C-A*	P414
MXyX-C-A*	P424
MXyX-S-A*	P426
MXyX-C-A* (I/O)	P428
HXYx-C-A*	P434
HXYLx-C-A*	P440

Cable type
Cable carrier
Cable carrier
Cable carrier
Cable carrier

X-axis stroke (mm)
250 to 1050
250 to 1050
250 to 1250
1150 to 2050

Maximum speed (X-axis / Y-axis) (mm/sec)
1200 / 1200
1200 / 1200
1200 / 1200
1200 / 1200

Model	Detailed info page
MXyX-C-G*	P442
MXyX-C-G* (I/O)	P444
HXYx-C-G*	P450
HXYLx-C-G*	P456

Cable type
Cable carrier
Cable carrier
Cable carrier

X-axis stroke (mm)
150 to 850
250 to 1250
250 to 1250

Maximum speed (X-axis / Y-axis) (mm/sec)
1200 / 1200
1200 / 1200
1200 / 1200

Model	Detailed info page
SXYx-C-M*	P458
MXyX-C-M*	P464
HXYx-C-M*	P470

Cable type
Whipover
Cable carrier
Whipover
Cable carrier
Whipover

X-axis stroke (mm)
150 to 850
250 to 1250
250 to 950
250 to 1250
250 to 850

Maximum speed (X-axis / Y-axis) (mm/sec)
1200 / 600
1200 / 600
1200 / 600
1200 / 600
1200 / 600

Model	Detailed info page
SXYx-S-P*	P472
MXyX-C-P*	P473
MXyX-S-P*	P474
HXYx-C-P*	P476
HXYx-S-P*	P477

Cable type
Cable carrier
Whipover
Cable carrier
Cable carrier
Cable carrier
Cable carrier
Cable carrier
Cable carrier
Cable carrier
Cable carrier
Cable carrier
Cable carrier

X-axis stroke (mm)
150 to 1050
150 to 850
150 to 1050
150 to 1050
150 to 1050
150 to 3050
150 to 3050
150 to 3050
150 to 1050
150 to 1050
250 to 1250
250 to 1250

Maximum speed (X-axis / Y-axis) (mm/sec)
1200 / 600
1200 / 600
1200 / 1200
1200 / 1000
1200 / 500
1875 / 600
1875 / 1200
1200 / 600
1200 / 600
1200 / 600
1200 / 600
1200 / 300

Model	Detailed info page
SXYx-C-F* (ZF)	P480
SXYx-S-F* (ZF)	P481
SXYx-C-F* (ZFL20)	P482
SXYx-C-F* (ZS12)	P483
SXYx-C-F* (ZS6)	P483
SXYBx-C-F* (ZF)	P484
SXYBx-C-F* (ZFL20)	P485
MXyX-C-F* (ZFL10)	P486
MXyX-C-F* (ZFH)	P487
HXYx-C-F* (ZL)	P488
HXYx-C-F* (ZH)	P489

Note 1. The figure entered at * inside the form, expresses the arm variation. See P. 364 for more information.

Articulated robots
YA

Linear conveyor modules
LCM

Single-axis robots
CX

Motor-less single axis actuator
Robonity

Compact single-axis robots
TRANSERO

Single-axis robots
FLIP-X

Linear motor single-axis robots
PHASER

Cartesian robots
XY-X

SCARA robots
YK-X

Pick & place robots
YP-X

CLEAN

CONTROLLER INFORMATION

Arm type

Gantry type

Moving arm type

Pole type

XZ type

3-axis spec selection guide

Setting method

While checking conditions in order starting from ①, proceed to the right. Select the desired model in ⑥.

① Select the arm variation

Arm type

The type with moving Y-axis carriage.

Gantry type

The type with a guide railing at the end of Y-axis for support.

Moving arm type

The type with a moving Y-axis arm.

Pole type

The type with vertically moving Y-axis carriage.

①

Arm type

②

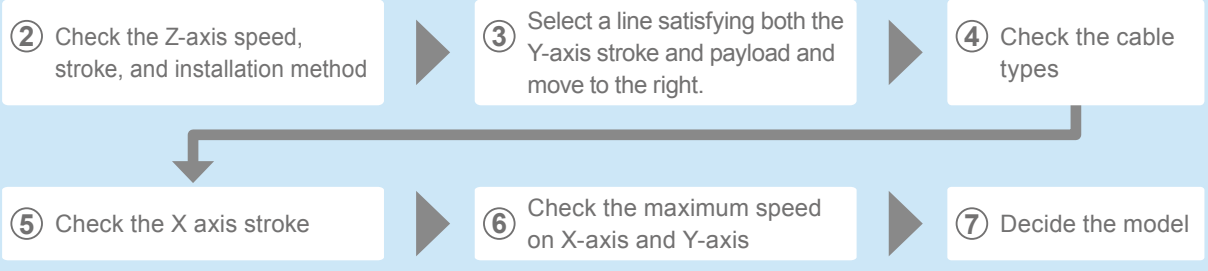
Z-axis

Speed (mm/sec)	Stroke (mm)	Installation method
1000	150	Shaft vertical type
500	150	
800	50 to 300	Clamped base · moving table type (60W)
600	150	Clamped base · moving table type (100W)
	250	
	350	
	150	Clamped base · moving table type (100W)
1200	150	Clamped base · moving table type (200W)
	250	
	350	
600	150	Clamped table · moving base type (200W)
	250	
	350	
1000	150	Shaft vertical type
500	150	
600	150	Clamped base · moving table type (100W)
	250	
	350	
1200	150	Clamped base · moving table type (200W)
	250	
	350	
600	150	Clamped table · moving base type (200W)
	250	
	350	
1000	150	Shaft vertical type
500	150	
1200	150	Clamped base · moving table type (200W)
	250	
	350	
600	150	Clamped table · moving base type (200W)
	250	
	350	
600	150	Clamped base · moving table type (200W)
	250	
	350	
1200	150	Clamped base · moving table type (200W)
	250	
	350	
600	150	Clamped table · moving base type (200W)
	250	
	350	
	450	
	550	
300	250	Clamped table · moving base type (200W)
	350	
	450	
	550	

③

Y-axis stroke (mm)

Payload (kg)	150	250	350	450	550	650	750	850	950	1050
		3								
	5				3					
	3									
	10	9	7	5	3					
	10	8	6	4	2					
	10	9	7	5	3	1				
	10	9	7	5	3					
	10	10	8	6	4	2				
	10	9	7	5	3	1				
	8			6	4	2				
	8		7	5	3	1				
	8		6	4	2	1				
	13	10	8	6	4	2				
	12	9	7	5	3	1				
	11	8	6	4	2	1				
	3									
	3									
	5									
	5									
	8	6	4	2	1					
	7	5	3	1						
	6	4	2							
	7	5	3	1						
	6	4	2							
	5	3	1							
	7	5	3	1						
	6	4	2							
	5	3	1							
	3									
	5			4	3					
	8				5	3				
	8			7	4	2				
	8		6	3	1					
	13	12	10	8	5	3				
	13	11	9	7	4	2				
	12	10	8	6	3	1				
	15			12	12	8				
	15			11	11	7				
	15			10	10	6				
	8									
	8					7				
	8					6				
	14				12	8				
	13				11	7				
	12				10	6				
	20					18				
	20					17				
	20			19	16					
	20			18	15					
	25			20	18					
	25			20	17					
	24			19	16					
	23			18	15					



④	⑤	⑥	⑦ Decide the model	
Cable type	X-axis stroke (mm)	Maximum speed (X-axis / Y-axis) (mm/sec)	Model ^(Note 1)	Detailed info page
Cable carrier	150 to 1050	1200 / 800	FXYx-C-A*-ZS12	P.379
			FXYx-C-A*-ZS6	P.379
			FXYx-C-A*-ZT6L	P.380
Cable carrier	150 to 1050	1200 / 1200	SXYx-C-A*-ZF	P.394
Whipover	150 to 850	1200 / 1200	SXYx-S-A*-ZF	P.395
Cable carrier	150 to 1050	1200 / 1200	SXYx-C-A*-ZFL20	P.396
Cable carrier	150 to 1050	1200 / 1200	SXYx-C-A*-ZFH	P.397
Cable carrier	150 to 1050	1200 / 1200	SXYx-C-A*-ZS12	P.398
Whipover	150 to 850		SXYx-S-A*-ZS12	P.398
Cable carrier	150 to 1050		SXYx-C-A*-ZS6	P.399
Whipover	150 to 850		SXYx-S-A*-ZS6	P.399
Cable carrier	150 to 3050	1875 / 1875	SXYBx-C-A*-ZF	P.408
Cable carrier	150 to 3050	1875 / 1875	SXYBx-C-A*-ZFL20	P.409
Cable carrier	150 to 3050	1875 / 1875	SXYBx-C-A*-ZFH	P.410
Cable carrier	150 to 3050	1875 / 1875	SXYBx-C-A*-ZS12	P.411
Cable carrier	150 to 3050	1875 / 1875	SXYBx-C-A*-ZS6	P.411
Cable carrier	500 to 2000	1200 / 1200	NXY-C-A*-ZFL20	P.416
Cable carrier	500 to 2000	1200 / 1200	NXY-C-A*-ZFH	P.418
Cable carrier	250 to 1250	1200 / 1200	MXYx-C-A*-ZFL10	P.429
Cable carrier	250 to 1250	1200 / 1200	MXYx-C-A*-ZFL20	P.429
Cable carrier	250 to 1250	1200 / 1200	MXYx-C-A*-ZFH	P.430
Cable carrier	250 to 1250	1200 / 1200	HXYx-C-A*-ZL	P.436
Cable carrier	250 to 1250	1200 / 1200	HXYx-C-A*-ZH	P.437

Note 1. The figure entered at * inside the form, expresses the arm variation. See P.364 for more information.

3-axis spec selection guide

- Articulated robots YA
- Linear conveyor modules LCM
- Single-axis robots CX
- Motor-less single axis actuator Robonity
- Compact single-axis robots TRANSERO
- Single-axis robots FLIP-X
- Linear motor single-axis robots PHASER
- Cartesian robots XY-X
- SCARA robots YK-X
- Pick & place robots YP-X
- CLEAN
- CONTROLLER INFORMATION
- Arm type
- Gantry type
- Moving arm type
- Pole type
- XZ type

① Gantry type

Z-axis		
Speed (mm/sec)	Stroke (mm)	Installation method
600	150	Clamped base · moving table type (200W)
	250	
	350	
1200	150	Clamped base · moving table type (200W)
	250	
	350	
600	150	Clamped table · moving base type (200W)
	250	
	350	
600	250	Clamped base · moving table type (200W)
	350	
	450	
	550	
300	250	Clamped table · moving base type (200W)
	350	
	450	
	550	

Payload (kg)	Y-axis stroke (mm)										
	150	250	350	450	550	650	750	850	950	1050	
15	15							12			
	15							11			
	15							10			
	8										
	8										
	8										
	14							12			
	13							11			
	12							10			
	20										
20											
20											
20											
30											
30											
30											
30											

Moving arm type

Z-axis		
Speed (mm/sec)	Stroke (mm)	Installation method
600	150	Clamped base · moving table type (100W)
	250	
	350	
1200	150	Clamped base · moving table type (200W)
	250	
	350	
600	150	Clamped table · moving base type (200W)
	250	
	350	
1000	150	Shaft vertical type
500	150	Shaft vertical type
600	150	Clamped base · moving table type (200W)
	250	
	350	
1200	150	Clamped base · moving table type (200W)
	250	
	350	
600	150	Clamped table · moving base type (200W)
	250	
	350	
300	250	Clamped table · moving base type (200W)
	350	
	450	
	550	

Payload (kg)	Y-axis stroke (mm)									
	150	250	350	450	550	650	750	850	950	1050
9	8	7								
	8	7	6							
	7	6	5							
	8	8	7							
	8	7	6							
	7	6	5							
	9	8	7							
	8	7	6							
	7	6	5							
	3									
5										
12										
11										
10										
8										
12										
11										
10										
18										
18				17						
18				16						
18				15						

Pole type

Z-axis		
Speed (mm/sec)	Stroke (mm)	Installation method
1200	150	Clamped table · moving base type (200W)
	250	
	350	
1200	250	Clamped table · moving base type (200W)
	350	
	450	
	550	
	650	
1200	250	Clamped table · moving base type (200W)
	350	
	450	
	550	
	650	

Payload (kg)	Y-axis stroke (mm)									
	150	250	350	450	550	650	750	850	950	1050
10										
9										
8										
15										
15										
15										
15										
15										
15										
15										

④	⑤	⑥	⑦ Decide the model	
Cable type	X-axis stroke (mm)	Maximum speed (X-axis / Y-axis) (mm/sec)	Model ^(Note 1)	Detailed info page
Cable carrier	250 to 1050	1200 / 1200	MXYx-C-G*-ZFL10	P.445
Cable carrier	250 to 1050	1200 / 1200	MXYx-C-G*-ZFL20	P.445
Cable carrier	250 to 1050	1200 / 1200	MXYx-C-G*-ZFH	P.446
Cable carrier	250 to 1250	1200 / 1200	HXYx-C-G*-ZL	P.452
Cable carrier	250 to 1250	1200 / 1200	HXYx-C-G*-ZH	P.453

Cable type	X-axis stroke (mm)	Maximum speed (X-axis / Y-axis) (mm/sec)	Model ^(Note 1)	Detailed info page
Whipover	150 to 850	1200 / 1200	SXYx-S-M*-ZF	P.460
Whipover	150 to 850	1200 / 1200	SXYx-S-M*-ZFL20	P.461
Whipover	150 to 850	1200 / 1200	SXYx-S-M*-ZFH	P.462
Whipover	150 to 850	1200 / 1200	SXYx-S-M*-ZS12	P.463
Whipover	150 to 850	1200 / 1200	SXYx-S-M*-ZS6	P.463
Cable carrier	250 to 1250	1200 / 1200	MXYx-C-M*-ZFL10	P.466
Cable carrier	250 to 1250	1200 / 1200	MXYx-C-M*-ZFL20	P.466
Cable carrier	250 to 1250	1200 / 1200	MXYx-C-M*-ZFH	P.467
Cable carrier	250 to 1250	1200 / 1200	HXYx-C-M*-ZH	P.470

Note 1. The figure entered at * inside the form, expresses the arm variation. See P.364 for more information.

Cable type	X-axis stroke (mm)	Maximum speed (X-axis / Y-axis) (mm/sec)	Model	Detailed info page
Cable carrier	250 to 1250	1200 / 600	MXYx-C-P2-ZPMH	P.475
Cable carrier	250 to 1250	1200 / 600	HXYx-C-P2-ZPH	P.478
Whipover	250 to 850	1200 / 600	HXYx-S-P1-ZPH	P.479