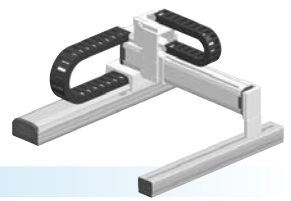


MXYx 2 axes / IO



- Gantry type
- Cable carrier
- Type with Y-axis I/O cable carrier added

Ordering method

MXYx - C **IO** **RCX320-2** **R**

Model	Cable	Combination	X-axis stroke	Y-axis stroke	ZR-axis	Cable	Controller / Number of controllable axes	Safety standard	Regenerative unit	Option A (OP.A)	Option B (OP.B)	Vision System	Absolute battery
G1			25 to 125cm	15 to 85cm		3L: 3.5m 5L: 5m 10L: 10m	RCX320-2						

Specify various controller setting items. RCX320 ▶ **P.660**

RCX222 **R**

Controller	Usable for CE	Regenerative unit	I/O selection 1	I/O selection 2
RCX222				

Specify various controller setting items. RCX222 ▶ **P.670**

Specification

	X-axis	Y-axis
Axis construction <small>Note 1</small>	F17	F14H
AC servo motor output (W)	400	200
Repeatability <small>Note 2</small> (mm)	+/-0.01	+/-0.01
Drive system	Ball screw φ20	Ball screw φ15
Ball screw lead <small>Note 3</small> (Deceleration ratio) (mm)	20	20
Maximum speed <small>Note 4</small> (mm/sec)	1200	1200
Moving range (mm)	250 to 1250	150 to 850
Robot cable length (m)	Standard: 3.5 Option: 5,10	

Note 1. Use caution that the flame machining (installation holes, tap holes) differs from single-axis robots.
 Note 2. Positioning repeatability in one direction.
 Note 3. Leads not listed in the catalog are also available. Contact us for details.
 Note 4. When the X-axis stroke is longer than 850mm (750mm for Y-axis), resonance of the ball screw may occur depending on the operation conditions (critical speed). In this case, reduce the speed setting on the program by referring to the maximum speeds shown in the table below.

Maximum payload (kg)

Y stroke (mm)	XY 2 axes
150	29
250	29
350	29
450	29
550	29
650	29
750	24
850	19

Controller

Controller	Operation method
RCX320-R	Programming / I/O point trace / Remote command / Operation using RS-232C communication
RCX222-R	

MXYx 2 axes / IO G1

Detail of section A
 4-M6 x 1.0
 4-M5 x 0.8
 Use M8 x 1.25 hex socket head bolt with length head bolt with length (under head) of 40mm or more.

Detail of section B
 Use M8 x 1.25 hex socket head bolt with length head bolt with length (under head) of 25mm or more.

Detail of section C
 Use M8 x 1.25 hex socket head bolt with length head bolt with length (under head) of 25mm or more.

Cross-section E-E
 ⓧ Cross-section of cable carrier
 ⓧ Cross-section of cable carrier

	X stroke											
	250	350	450	550	650	750	850	950	1050	1150	1250	
L	615	715	815	915	1015	1115	1215	1315	1415	1515	1615	
K	100	200	100	200	100	200	100	200	100	200	100	
D	240	420	600	600	780	780	960	960	1140	1140	1320	
M	2	2	3	3	4	4	5	5	6	6	7	
N	8	8	10	10	12	12	14	14	16	16	18	
		Y stroke										
		150	250	350	450	550	650	750	850			
Maximum speed for each stroke (mm/sec) <small>Note 3</small>	X-axis	1200						960	840	720	600	480
	Speed setting	-						80%	70%	60%	50%	40%
	Y-axis	1200										
	Speed setting	-										

Note 1. The moving range when returning to origin and the stop position when stopping by the mechanical stopper.
 Note 2. User cable extraction port.
 Note 3. When the X-axis stroke is longer than 850mm (750mm for Y-axis), resonance of the ball screw may occur depending on the operation conditions (critical speed). In this case, reduce the speed setting on the program by referring to the maximum speeds shown in the table at the left.