

SXYx

4 axes / ZRF

● Arm type ● Cable carrier

● Z-axis: clamped base / moving table type (100W)+R-axis



Ordering method

SXYx - C	[]	[]	[]	ZRF	[]	[]	RCX340-4	[]	[]	[]	[]	[]	[]	[]	[]
Model	Cable	Combination	X-axis stroke	Y-axis stroke	ZR-axis	Z-axis stroke	Cable	Controller / Number of controllable axes	Safety standard	Option A (O.P.A)	Option B (O.P.B)	Option C (O.P.C)	Option D (O.P.D)	Option E (O.P.E)	Absolute battery
A1			15 to 105cm	15 to 65cm		15 to 35cm	3L: 3.5m 5L: 5m 10L: 10m								
A2															
A3															
A4															

Specify various controller setting items. RCX340 ▶ P636

Specification

	X-axis	Y-axis	Z-axis	R-axis
Axis construction Note 1	F14H	F14	F10-BK	R5
AC servo motor output (W)	200	100	100	50
Repeatability Note 2 (XYZ: mm) (R: °)	+/-0.01	+/-0.01	+/-0.01	+/-0.0083
Drive system	Ball screw φ15	Ball screw φ15	Ball screw φ15	Harmonic gear
Ball screw lead Note 3 (Deceleration ratio) (mm)	20	20	10	(1/50)
Maximum speed Note 4 (XYZ: mm/sec) (R: °/sec)	1200	1200	600	360
Moving range (XYZ: mm) (R: °)	150 to 1050	150 to 650	150 to 350	360
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 750mm, 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

	150	250	350
Y stroke (mm)	6	6	6
250	6	5	4
350	4	3	2
450	3	2	1
550	2	1	-
650	1	-	-

Controller

Controller	Operation method
RCX340	Programming / I/O point trace / Remote command / Operation using RS-232C communication

SXYx 4 axes / ZRF A1

