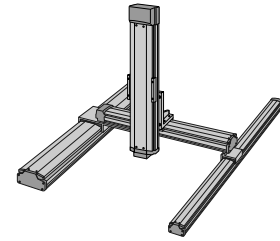


ICSA3-G2JHB3	Cartesian Robot: X-Y-Z 3-Axes Configuration Z-Axis Base Mount Type
ICSPA3-G2JHB3	Cartesian Robot: X-Y-Z 3-Axes Configuration Z-Axis Base Mount Type High-Precision Specification
Type: XYG + Z-Axis Base Mount Type	Stroke: X-axis: 1000-2500mm Y-axis: 800-1200mm Z-axis: 100-600mm
Load capacity: 19kg ~ 9kg	
Model specification items: ICSA3 (ICSPA3) - G2JHB3H - A - 100AQL - 80AQL - 30BL - T1 - 5L - CT - SC	



* Refer to page 51 for the details of model specification items.

Models/Specifications * [] is for the high-precision specification.

Encoder Type	XY-axis configuration direction	Z-axis type (*1)	Model
Absolute	-	H	ICSA3 [ICSPA3] -G2JHB3H-A- [1] - [2] - [3] -B-T1- [4] - [5]
		M	ICSA3 [ICSPA3] -G2JHB3M-A- [1] - [2] - [3] -B-T1- [4] - [5]
		L	ICSA3 [ICSPA3] -G2JHB3L-A- [1] - [2] - [3] -B-T1- [4] - [5]
Incremental	-	H	ICSA3 [ICSPA3] -G2JHB3H-I- [1] - [2] - [3] -B-T1- [4] - [5]
		M	ICSA3 [ICSPA3] -G2JHB3M-I- [1] - [2] - [3] -B-T1- [4] - [5]
		L	ICSA3 [ICSPA3] -G2JHB3L-I- [1] - [2] - [3] -B-T1- [4] - [5]

*1: The load capacity and the maximum speed may vary depending on the type of Z-axis.
Note: T1 in the above models will be T2 when operated with XSEL-P/Q type.

Explanation of Model Code

Number	Contents	Specification
[1]	X-axis stroke (Note 1)	100 : 1000mm ~ 250 : 2500mm
[2]	Y-axis stroke (Note 1)	80 : 800mm ~ 120 : 1200mm
[3]	Z-axis stroke (Note 1)	10 : 100mm ~ 60 : 600mm
[4]	Cable length (Note 2)	3L : 3m 5L : 5m
[5]	Y-axis/ Z-axis cable management	CT-SC : Self-standing cable (*2) CT-CT : Cable track

* The above explains the Models/Specifications chart to the left.
*2 Only cable track can be specified for the Y-axis cable management with model # G2JHB3D.

Options

Please add the option codes at the end of each stroke of the axis. When adding multiple options, put together in alphabetic order.

Name	Code	Page
AQ seal	AQ	→P13
Brake	B	→P13
Creep sensor	C	→P13
Home limit switch	L	→P14
Reversed-home specification	NM	→P14
Guide with ball-retaining mechanism	RT	→P14

Common Specifications * [] is for the high-precision specification.

Drive system	Ball screw, rolled C10 [equivalent to rolled C5]
Positioning repeatability	±0.02mm [±0.01mm]
Backlash	0.05mm or less [0.02mm or less]
Guide	Integrated with base
Base	Material: Aluminum with white alumite treatment
X-axis motor output / lead	400W / 20mm
Y-axis motor output / lead	200W / 20mm
Z-axis motor output / lead	200W / 20mm (H), 10mm (M)

Applicable Controller Specifications

Refer to page 65 for System Configuration.

Axis Configuration * [] is for the high-precision specification.

Axis Type	Model	Page
X-axis	ISA[ISPA]-LXUWX-□-400-20-(Stroke)-T1	→P30
Y-axis	ISA[ISPA]-MXMX-□-200-20-(Stroke)-T1	→P20
Z-axis	ISA[ISPA]-MXM-□-200-20/10-(Stroke)-T1-B	→P19

*In the above model name, □ indicates encoder type A (absolute) or I (incremental).

Caution

(Note 1) The stroke in the model is specified in cm (centimeters).
 (Note 2) The cable length measures from the X-axis connector box to the controller. The standard lengths are 3m and 5m, but other lengths can also be specified in meters. The maximum length is 20m.
 (Note 3) The rated acceleration is 0.3G. Increasing the acceleration will result in lower load capacity.
 (Note 4) Please note that a longer stroke will result in a lower maximum speed.

* For other points to note, please refer to page 49.

