

# YK800X

Standard Type

Arm length 800mm/Maximum payload 20kg

## Robot ordering method

<b>YK800X - 200 - 3L -</b>		<b>RCX142 - E - R - N1 - CC - S</b>			
Model	Z axis stroke	Cable length	Controller	CE	Battery
	200:200mm 400:400mm (MAX:800mm*)	3L:3.5m 5L:5m 10L:10m		Regenerative control(RGL2) Expansion I/O Network	
				Blank:Standard E:CE specification	

Controller type: Refer to the Controller Catalog for further details.

## Basic specifications

\* The products with Z axis stroke of 500 mm or more are built to the order. Contact us for the delivery period, specifications, external appearance, etc.

Model		YK800X	
Axis specifications	X axis	Arm length	450mm
		Rotation range	± 120°
	Y axis	Arm length	350mm
		Rotation range	± 145°
Z axis	Stroke	200mm, 400mm	
R axis	Rotation range	± 180°	
Motor	X axis	800W	
	Y axis	400W	
	Z axis	400W	
	R axis	200W	
Maximum speed	X, Y combined	7.3m / s	
	Z axis	1.7m / s	
	R axis	600° / s	
Repeatability*1	X, Y axis	± 0.02mm	
	Z axis	± 0.01mm	
	R axis	± 0.005°	
Max. payload		20kg	
Standard cycle time (with 2kg payload)		0.57 sec.	
R axis allowable moment inertia*2		0.314kgm <sup>2</sup> (3.2kgfcm <sup>2</sup> )	
User wiring		0.2sq × 20 wires	
User tubing		ø6 × 3	
Movement limit setting		1. Soft limit, 2. Mechanical limit (X, Y, Z axes)	
Robot cable		Standard 3.5m Option: 5m, 10m	
Controller, Power supply capacity		RCX142-R, 2000VA	
Weight		57kg	



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\*1: This is the value at a constant ambient temperature. (X, Y axes)  
\*2: There are limits to the setting of the acceleration coefficient.

