

# YK1200X

Standard Type

Arm length 1200mm/Maximum payload 50kg

## Robot ordering method

<b>YK1200X - 400 - 3L -</b>	<b>RCX142 - E - R - N1 - CC - S</b>
Model	Controller
Z axis stroke 400:400mm	CE Blank-Standard E:CE specification
Cable length 3L:3.5m 5L:5m 10L:10m	Regenerative control:RGU2 Expansion I/O Network Battery

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

## Basic specifications

Model		YK1200X	
Axis specifications	X axis	Arm length	600mm
		Rotation range	± 125°
	Y axis	Arm length	600mm
		Rotation range	± 150°
Z axis	Stroke	400mm	
R axis	Rotation range	± 180°	
Motor	X axis	900W	
	Y axis	800W	
	Z axis	600W	
	R axis	400W	
Maximum speed	X, Y combined	7.4m / s	
	Z axis	0.75m / s	
	R axis	600° / s	
Repeatability*1	X, Y axis	± 0.05mm	
	Z axis	± 0.02mm	
	R axis	± 0.005°	
Max. payload		50kg	
Standard cycle time (with 2kg payload)		0.91 sec.	
R axis allowable moment inertia*2		2.45kgm <sup>2</sup> (25kgfcm <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, 2500VA	
Weight		124kg	



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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.

