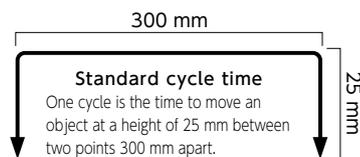


Ceiling mount made up of a linear-motion axis and pivot-motion axis allows the robot to work under itself while presenting a compact form-factor.



Maximum payload	5 kg
Standard cycle time	0.56 sec



Patent No. 4793376 / No. 5272647

*For dimensions, see our website.

Specifications

Item		Specifications						
Model ^{*1}		XR-4341*	XR-4371*	XR-4372*	XR-4373*	XR-43A1*	XR-43A2*	XR-43A3*
Axes		4						
Position detection method		Absolute encoder						
Drive motor / brake		All-axis AC servo motor / Z-axis with brakes						
Total arm length (No. 1 arm + No. 2 arm)		200 mm		250 mm	300 mm	200 mm	250 mm	300 mm
Motion range and stroke	X (No. 1 axis)	450 mm		760 mm		1,060 mm		
	R (No. 2 axis)	±168°						
	Z (No. 3 axis)	* = 1: 135 mm, * = 2: 200 mm						
	T (No. 4 axis)	±360°						
Maximum payload		5 kg						
Maximum joint speed	X	1,650 mm/sec		1,600 mm/sec		1,240 mm/sec		
	R	572.94 deg/sec		458.35 deg/sec	382 deg/sec	572.94 deg/sec	458.35 deg/sec	382 deg/sec
	Z	2,250 mm/sec						
	T	720 deg/sec						
Standard cycle time ^{*2}		0.56 sec						
Position repeatability (at the center of a tool mounting face) ^{*3}	X + R	±0.015 mm						
	Z	±0.01 mm						
	T	±0.005°						
Maximum allowable moment of inertia		0.05 kgm ²						
User air pipe(s)		1 air supply system (∅8) (4 systems (∅4 × 8) with optional manifold valve)						
User signal line(s)		10 (for proximity sensor signals, etc.)						
Air source	Normal pressure	0.05 to 0.35 MPa						
	Maximum allowable pressure	0.59 MPa						
Weight ^{*4}		Approx. 33 kg	Approx. 45 kg	Approx. 46 kg	Approx. 47 kg	Approx. 51 kg	Approx. 52 kg	Approx. 53 kg

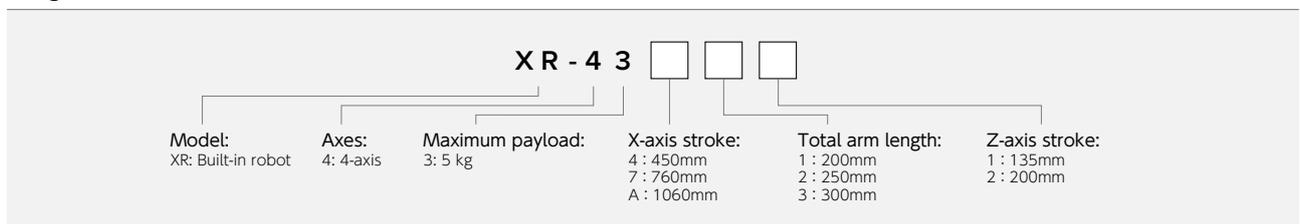
1: An asterisk [] in a model name indicates Z-axis stroke.

*2: Time required for a robot to move a 3 kg payload between two points 300 mm apart at a height of 25 mm.

*3: Position repeatability is the precision at constant ambient temperature.

*4: Heavy models (Z = 200 mm) are listed.

Legend



The data listed on this page is for the standard type.