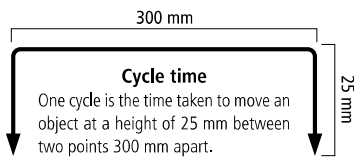


Ceiling mount made up of a linear-motion axis and pivot-motion axis allows the robot to work under itself while presenting a compact form-factor

Maximum payload	5kg
Cycle time	0.56 sec



Specifications

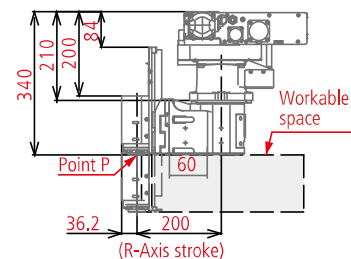
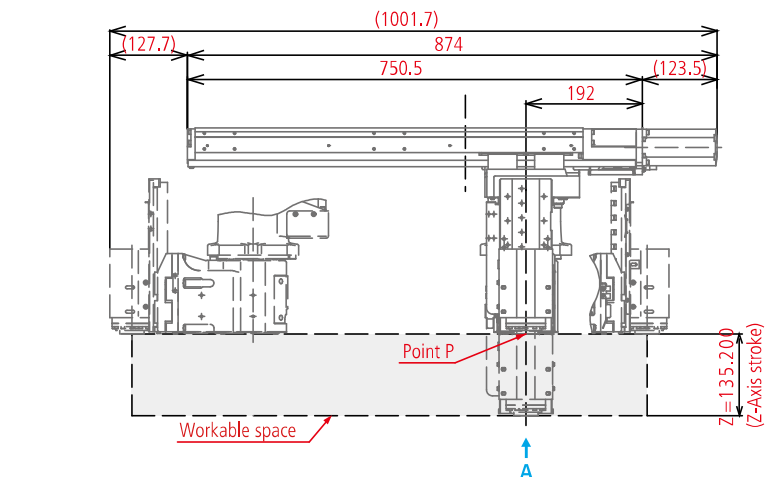
Term		Specifications						
Model ¹		XR-4341*	XR-4371*	XR-4372*	XR-4373*	XR-43A1*	XR-43A2*	XR-43A3*
Axes		4						
Position detection method		Absolute encoder						
Drive motor / brake		All-axis AC servo motor / Z-axis brake						
Total arm length (No. 1 arm + No. 2 arm)		200mm		250mm	300mm	200mm	250mm	300mm
Motion range and stroke	X (No. 1 axis)	450mm	760mm			1,060mm		
	R (No. 2 axis)	±168°						
	Z (No. 3 axis)	*≒1 : 135mm, *≒2 : 200mm						
	T (No. 4 axis)	±360°						
Maximum payload		5kg						
Maximum joint speed	X	1650mm/sec	1600mm/sec			1240mm/sec		
	R	572.94deg/sec		458.35deg/sec	382deg/sec	572.94deg/sec	458.35deg/sec	382deg/sec
	Z	2250mm/sec						
	T	720deg/sec						
Cycle time ²		0.56sec						
Position repeatability (center of tool mounting face) ³	X+R	±0.015mm						
	Z	±0.01mm						
	T	±0.005°						
Maximum allowable moment of inertia		0.05kgm ²						
User air pipe		1 air supply system (φ8) (4 systems (φ4 × 8) with optional manifold valve)						
User signal line		10 (for proximity sensor signals, etc.)						
Air source	Normal pressure	0.05 to 0.35MPa						
	Maximum allowable pressure	0.59MPa						
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.

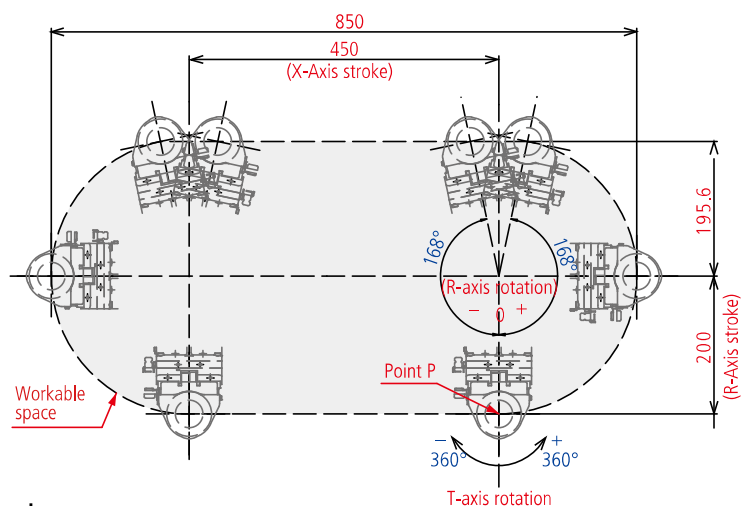
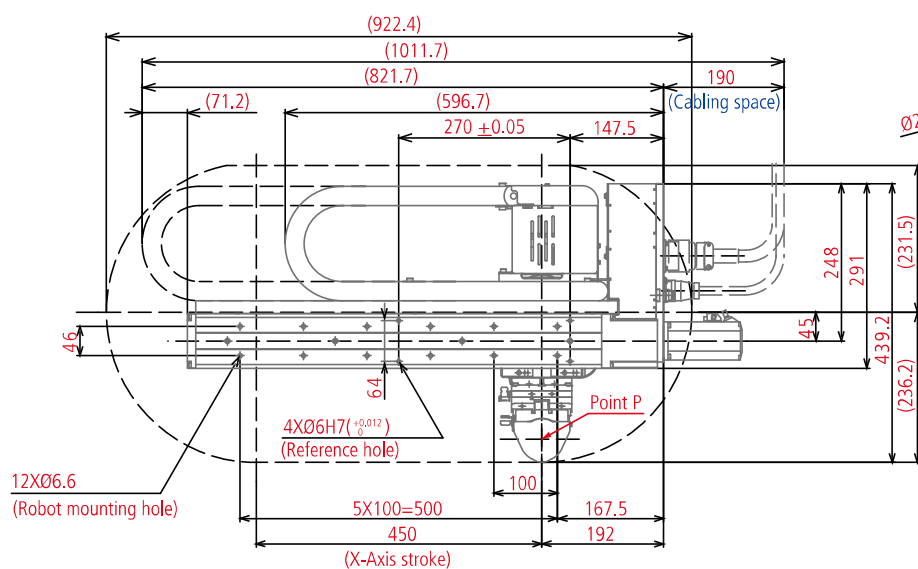
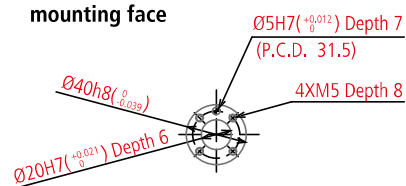
2: Time required for a robot to move a 3 kg payload between two points 300 mm apart at a height of 25 mm.

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

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



Detailed drawing of end-effector mounting face



Legend

XR - 4 3

Model:
XR: Built-in robot

Axes:
4: 4-axis

Maximum payload:
3: 5kg

X-Axis stroke:
4: 450mm
7: 760mm
A: 1060mm

Total arm length:
1: 200mm
2: 250mm
3: 300mm

Z-Axis stroke:
1: 135mm
2: 200mm