

XR series

(Reach 200–300 mm; x-axis stroke 450–1,060 mm)

FEATURES

Compact, space-saving design

Uses up to 40% less factory floor space than a conventional SCARA

Integrated gantry

Allows conveyorless operation in many applications, saving up to 20% in capital-equipment costs

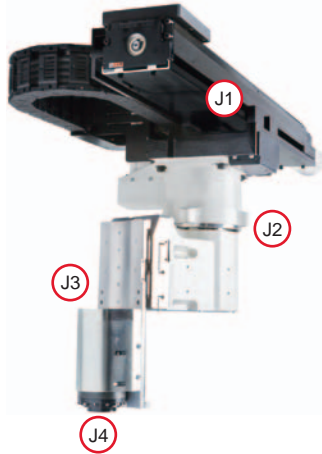
High speed

Standard cycle time 0.53 sec.

High repeatability

± 0.015 mm





Max. joint speed
 J1: 124–165 mm/sec.
 J2: 382–573°/sec.
 J3: 1,500 mm/sec.
 J4: 720°/sec.

MAIN SPECIFICATIONS :

Model name:	XR-4341	XR-4371	XR-4372	XR-4373
Max. arm reach/x-axis stroke	200/450 mm	200/760 mm	250/760 mm	300/760 mm
Max. composite speed (X+R):	3,650 mm/sec.	3,600 mm/sec.	3,600 mm/sec.	3,600 mm/sec.
Model name:	XR-43A1	XR-43A2	XR-43A3	
Max. arm reach/x-axis stroke	200/1,060 mm	250/1,060 mm	300/1,060 mm	
Max. composite speed (X+R):	3,240 mm/sec.	3,240 mm/sec.	3,240 mm/sec.	
Maximum payload:	3 kg			
Repeatability (X+R):	±0.015 mm			
Max. moment of inertia:	0.03 kgm ²			
Total weight (approx):	33–53 kg			
Cycle time:	0.53 sec.			
Range of motion:	J1: 450–1,060 mm; J2: ±168°; T: ±360°			
Z-axis (vertical stroke):	135 mm (200 mm optional)			
Position detection:	Absolute encoder			
Max. force fit:	98 N (1 sec. or less)			
Wiring (in-arm integrated):	10 lines (max. 1 A per line)			
Air piping (in-arm integrated):	1 system (ø8); with optional manifold valve, 4 systems (ø4 x 4)			