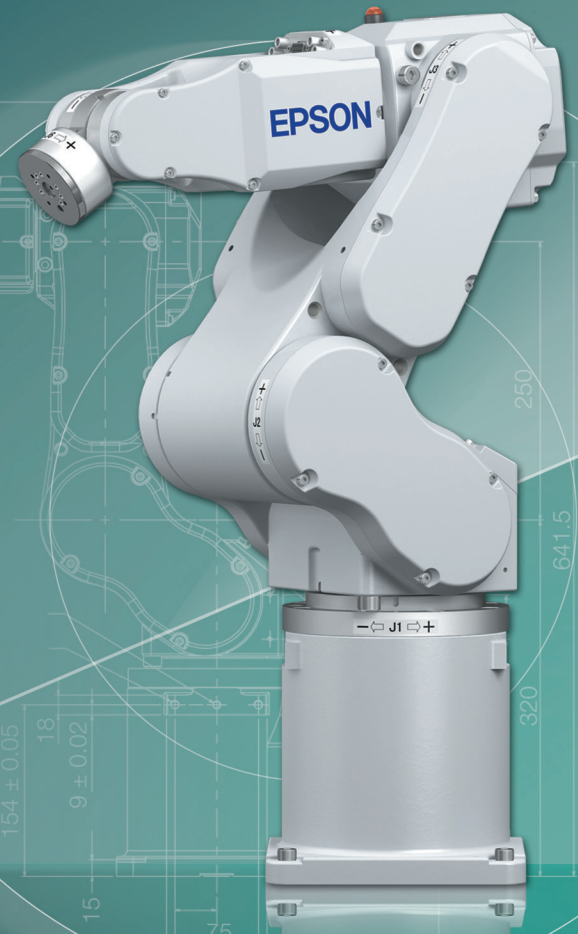




6-Axis Robots



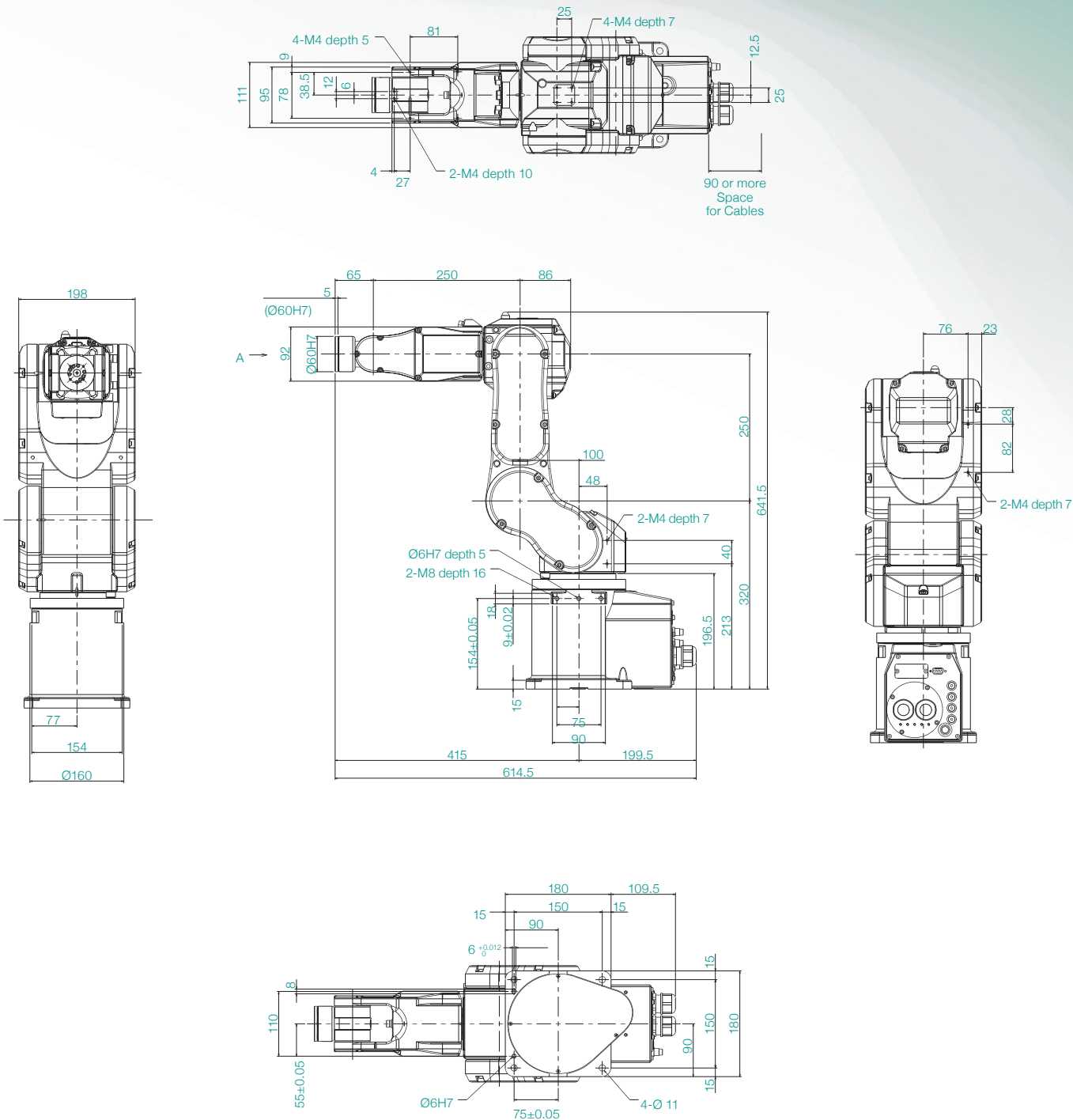
Compact Yet Powerful with High Repeatability and Fast Speed

- Payloads up to 3 kg
- Compact Wrist Fits in Tight Spaces
- Long, Slim Arm for Greater Reach
- Compact Elbow for Optimum Workcell Layout

Specifications

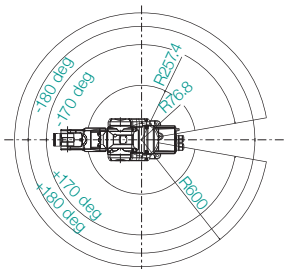
		C3-A601 (C3)			
		Tabletop	Ceiling	Skewed	Wall
Mounting type					
Degrees of freedom				6	
Max. Motion Range	P point: through the center of J4/J5/J6			600 mm	
Wrist flange surface				665 mm	
Max. operating speed	Joint #1			450°/s	
	Joint #2			450°/s	
	Joint #3			514°/s	
	Joint #4			553°/s	
	Joint #5			553°/s	
	Joint #6			720°/s	
Weight (cables not included)				27 kg	
Repeatability	Joint #1-#6			±0.02 mm	
Max. motion range	Joint #1		±170 deg (±180 deg without the mechanical stop)		±30 deg
	Joint #2		-160 deg~+65 deg		
	Joint #3		-51 deg~+225 deg		
	Joint #4		±200 deg		
	Joint #5		±135 deg		
	Joint #6		±360 deg		
Payload	Rated			1 kg	
	Maximum			3 kg	
Standard cycle time¹				0.37 sec	
Allowable moment of inertia	Joint #4			0.15 kg•m ²	
	Joint #5			0.15 kg•m ²	
	Joint #6			0.1 kg•m ²	
Motor power consumption	Joint #1			400 W	
	Joint #2			400 W	
	Joint #3			150 W	
	Joint #4			50 W	
	Joint #5			50 W	
	Joint #6			50 W	
Electric lines				9Pin (D-Sub)	
Pneumatic lines				Φ4mm×4	
Installation environment				Standard/Cleanroom ² & ESD	
Available controllers				RC180, RC620+	
Safety standards				CE, ANSI/RIA15.06-2012	

¹ Cycle time based on round-trip arch motion (300mm horizontal, 25mm vertical) with 1kg payload (path coordinates optimized for maximum speed).
² Complies with ISO Class 3 (ISO14644-1) and older Class 10 (less than 100.1 μm particles per 28,317cm³:1cft) cleanroom standards.

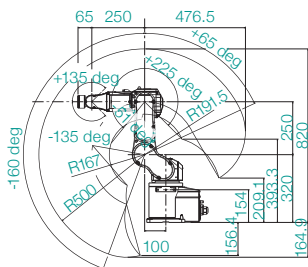


Motion Range

Top View



Lateral View



Front View

