



DOBOT M1 SCARA Collaborative Robot Arm

DOBOT M1 is the world's first SCARA robot arm for small and medium-sized factories. Lightweight and portable, the 4-axis robot arm delivers fast setup and flexible deployment. M1's effective cost, easy programming and low maintenance make it a perfect automation solution for SMEs.

Application Scenarios



Shake Hands With The Future



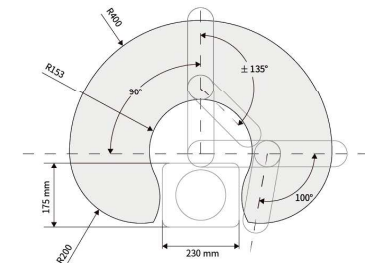
DOBOT M1



Technical Parameters

Reach	400mm		
Rated Payload	1.5kg		
Maximum magnitude	Type	Mechanical limitation	Software limitation
	Rear arm	-90° ~ 90°	-85° ~ 85°
	Forearm	-135° ~ 135°	-135° ~ 135°
	Z-axis screw	0mm ~ 250mm	10mm ~ 235mm
	End-effector rotation	unlimited	-360° ~ 360°
Maximum speed	Joint speed of Forearm and Rear Arm		180°/s
	Resultant speed of the Forearm and Rear Arm		2000 mm/s
	Speed of Z Axis		1000 mm/s
Repeatability	0.02mm		
Power	Power Adapter: 100V-240V AC, 50/60Hz Dobot M1: 48V DC		
Communication interface	Ethernet, RS-232C		
I/O	22 digital outputs, 24 digital inputs, 6 ADC inputs		
Software	M1 Studio		
System	Linux		

Operating Space Diagram



Overall Dimensions

