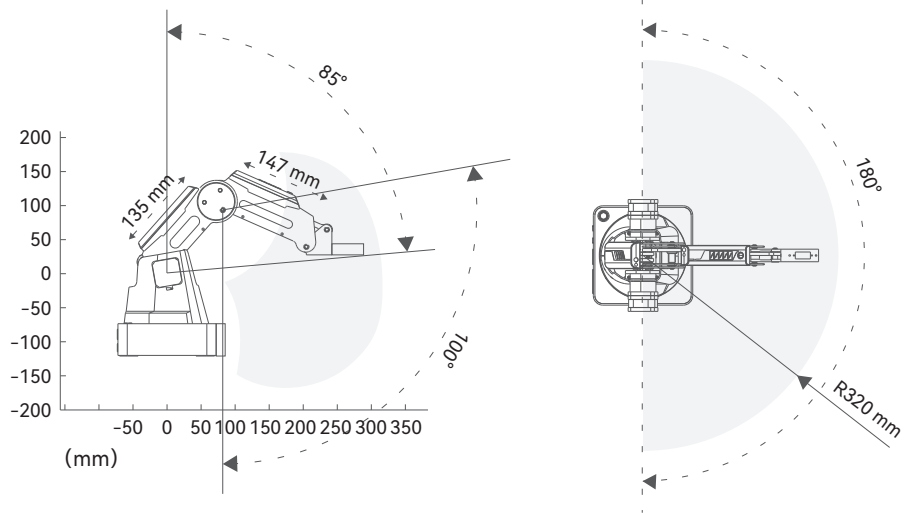


Product Specifications



Dobot Magician

Weight	3.4 kg	
Base Dimension	158 mm x 158 mm	
Materials	Aluminum alloy, ABS plastic	
Controller	Dobot integrated controller	
Robot Mounting	Desktop	
Number of Axes	4	
Maximum Payload	500 g	
Maximum Reach	320 mm	
Repeatability	±0.2 mm	
Communication Interface	USB / Wi-Fi / Bluetooth	
Power Supply	100 to 240V, 50/60 Hz	
Power In	12V, 6.5A DC	
Power Consumption	78W Max	
Working Environment	-10° to 60° C	
Axis	Range of Motion	Max Speed (250 g Payload)
J1 - Base	-120° to +120°	320° /s
J2 - Rear Arm	-5° to +90°	320° /s
J3 - Forearm	-15° to +90°	320° /s
J4 - Rotation Servo	-140° to +140°	480° /s

Applications

Software	DobotLab DobotBlockly DobotStudio Repetier Host GbrlController3.6
SDK (Software Develop Kit)	Communication Protocol Dobot Program Library
Extension Interface	I/O x 10, configurable as analog input or PWM output
	Controllable 12V power output x 4
	Communication Interface UART, Reset, STOP, 12V, 5V and two I/O included
	Stepper x 2

End Effectors

3D Printer Kit	Dimensions	150 mm x 150 mm x 150 mm
	Materials	PLA
	Resolution	0.1 mm
Laser	Power Consumption	500mW
	Type	405 nm (Blue laser)
	Power	12V, TTL trigger (with PWM Driver)
Pen Holder	Pen Diameter	10 mm
Vacuum Suction Cap	Cap Diameter	20 mm
	Pressure	-35 Kpa
Gripper	Range	27.5 mm
	Drive Type	Pneumatic
	Force	8 N