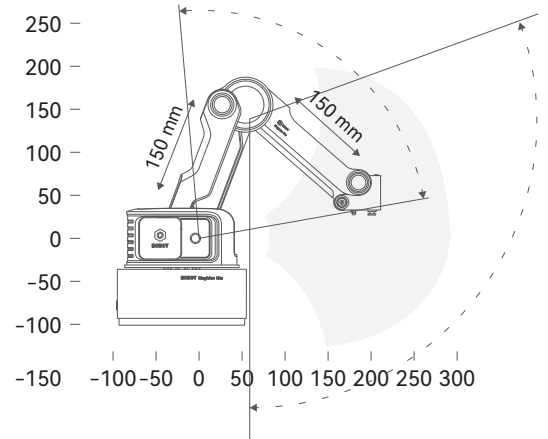
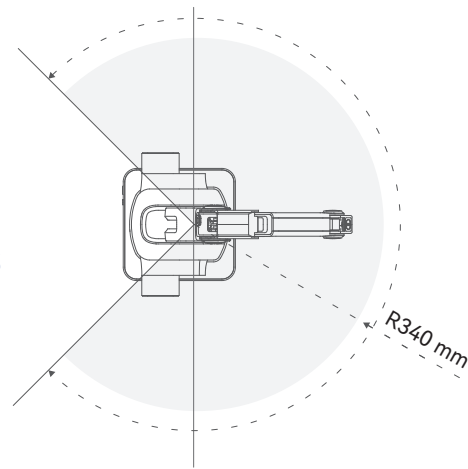


Product Specifications



DOBOT Magician Lite

Number of Axes	4
Maximum Payload	250 g
Maximum Reach	340 mm
Repeatability	±0.2 mm
Voltage	100 to 240V AC, 50/60 Hz
Power Input	12V, 5A DC
Working Environment	-5° to 45° C
Power Consumption	60W Max
Communication Interface	USB Virtual Serial Port/Serial Port
Software	DobotStudio/DobotScratch
Weight	2.4 kg
Rear Arm and Forearm Length	150 mm
Base Dimension	146 mm x 146 mm
Range of Motion J1	-135° to +135°
Range of Motion J2	-5° to +80°
Range of Motion J3	-10° to +85°
Range of Motion J4	-135° to +135°

End Effectors

Pen Holder	8 ~ 12 mm pen diameter
Suction Cup	Built-in air pump drive works under negative pressure, with suction cup diameter of 20 mm
Soft Gripper	Built-in air pump drive works under positive and negative pressure, with maximum opening and closing distance of 50 mm

Magic Box

MCU	ARM 32-bit Cortex-M4
Main Frequency	168 MHz
Voltage	100 to 240V AC, 50/60 Hz
Power Input	12V, 5A DC
Working Environment	-5° to 45° C
Power Consumption	60W Max
Communication Interface	USB Virtual Serial Port/Serial Port/Bluetooth
Programming Language	MicroPython
Software	DobotStudio/DobotScratch
Weight	98 g
Dimensions	95 mm x 80 mm x 21.5 mm

Expansion Interface

Power Interface	2	4PIN, 12V, 3A DC
Multi-Functional Communication Interface	2	10PIN, serial communication
I/O Interface	6	Green Port, 4PIN, 3.3V/5V-I/O, 5V 1A-VCC, Multi-functional interface Interface, User-Defined I/O, AD, PWM Output, I2C, etc.
Stepper Motor Interface	2	Yellow port, 4pin, 2-phase stepper motor, 16 subdivision, 12V, 1A
Power Interface	2	Red terminal, 2pin, 12V, 3A Max