

# Shake hands with the future

Meet **DoBot Magician**

the smart, super precise desktop robot arm



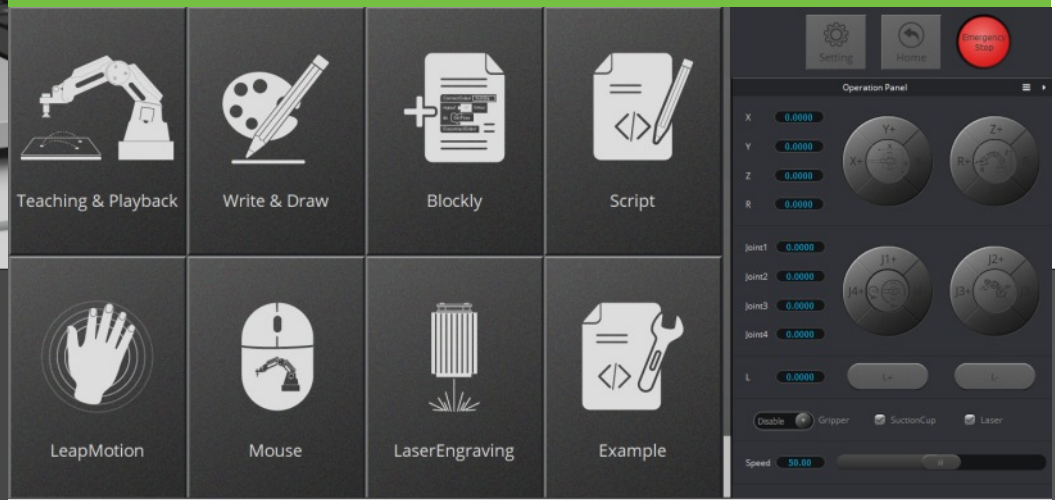
Just one of the many ways to control DoBot. Hand gesture control with LeapMotion

## So many ways to command DoBot

DoBot can be controlled by either :  
PC, apps, voice, vision, wireless joystick, mouse, leap motion, move the arm so it learns from you, code in Python or Blockly and, yes, even your mind (via EEG)!



### DOBOT STUDIO





# *Excite your students*

*with DoBot Magician*



4

## HOT-SWAP TOOLS



3D  
Printer



Vacuum  
Gripper



Suction  
Cup



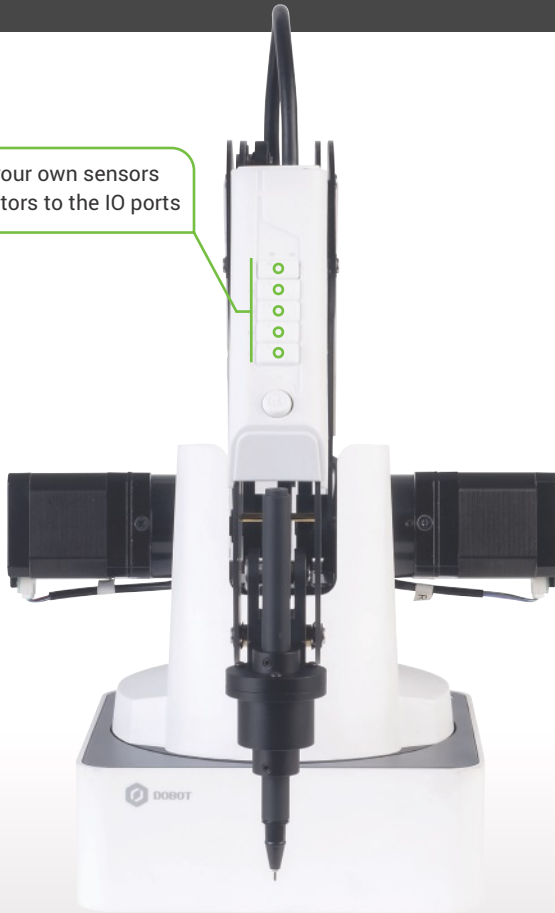
Pen  
Holster



## Designed for the Classroom

DoBot Magician is an all-in-one solution specifically designed for educators. The system includes lesson content, easy-to-use software and a host of innovative features for a cohesive educational experience.

Connect your own sensors and actuators to the IO ports



Powerful stepper motors for precise and repeatable movement



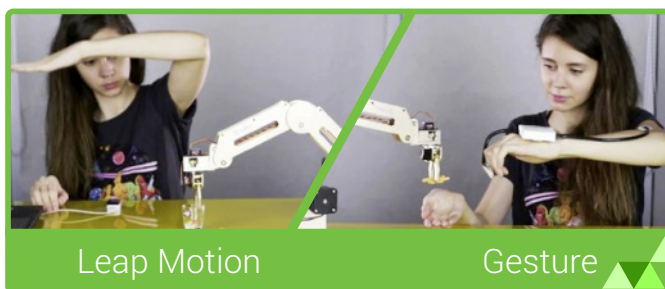
## DoBot is flexible

Axis	Range	Max Speed (with 250g payload)
Joint 1 – Base	-135° to +135°	320°/s
Joint 2 – Rear Arm	0° to +85°	320°/s
Joint 3 – Forearm	-10° to +95°	320°/s
Joint 4 – Rotation Servo	-90° to +90°	480°/s

DoBot also offers a large amount of flexibility through its extended Input / Output ports which allow you to connect to third party sensors, motors, servos or even additional microcontrollers like Arduino or Raspberry Pi.

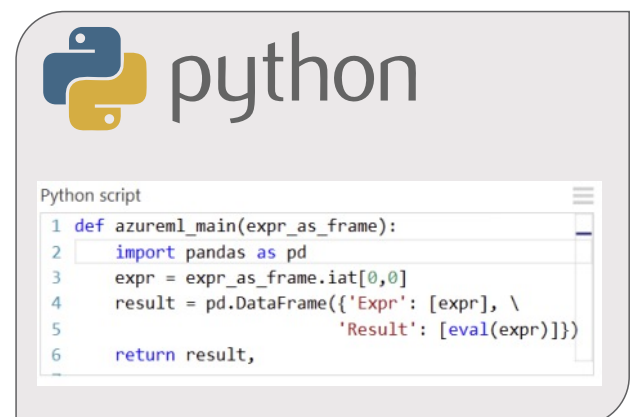
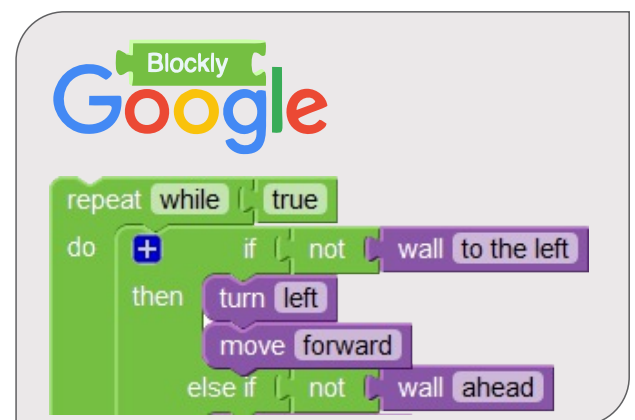
## Power to Control

The included Dobot Studio software has a wealth of integrated features for control.



## Programming

Use Dobot Studio to write programs in Python, Blockly or teach Dobot a task using the Teaching and Playback function.



## What's in the package:

- DoBot robot Arm
- 3D printer tool & roll of PLA
- Suction cup tool
- Vacuum gripper tool
- Pen tool
- Vacuum pump
- Wireless Joystick
- Wi-Fi & Bluetooth modules
- DoBot Studio
- Power Supply & USB Cable
- 1 Year Limited Warranty
- Online & Phone Customer Support

## Optional

- Conveyor Belt Kit
- Linear Rail kit



Teaching Robotics has never been this easy

## Specifications

Number of axis	4
Maximum payload	500g
Maximum reach	320mm
Position accuracy	0.2mm
Communication	USB, WiFi & Bluetooth
Robot power supply	100-240VAC 50/60Hz - 12VDC 7A
Power Consumption	60W maximum
Weight	3.4Kg
Base footprint	158 x 158mm
Materials	6061 Aluminium Alloy & ABS
Software	Windows
Warranty	12 month

*Note: Laser cutter tool Class 3b is not included,  
as is does not comply with ANZ safety certifications standards.*

## I/O ports

Forearm	
Type	Qty
PWM Output	3
ADC Input	3
Switchable 12V outputs	2
Base	
Type	Qty
PWM Output	2
ADC Input	2
Switchable 5V outputs	2
Switchable 12V outputs	2
UART	1
Stop function	1



LEARN MORE AT  
3DPRINTINGSYSTEMS.COM

or contact your local reseller



ABN: 88095761789  
Melbourne: 03 9099 0225  
Sydney: 02 8015 6732  
Brisbane: 07 3088 4891  
Auckland: 09 281 4206  
sales@3DPrintingSystems.com



3DPrintingSystems.com