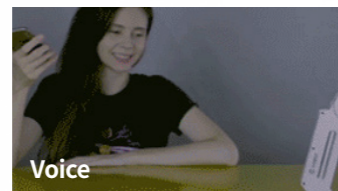
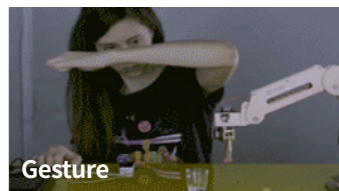
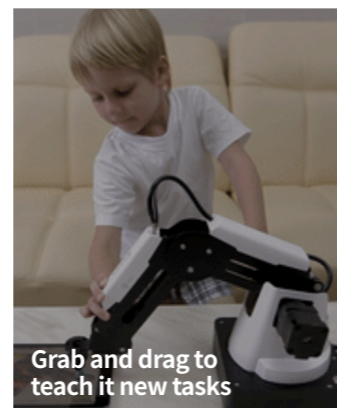
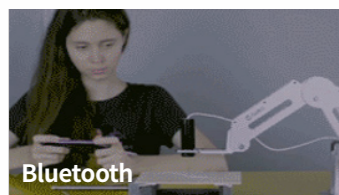


What is DOBOT Magician?

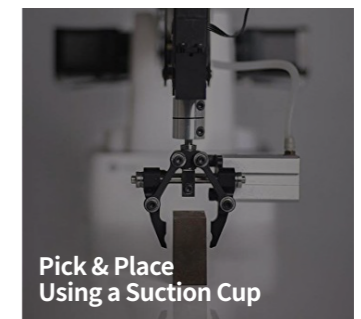
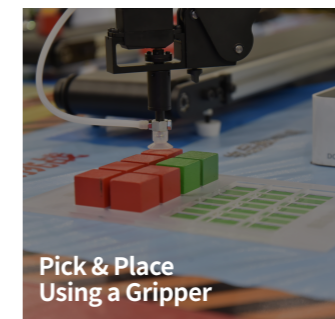
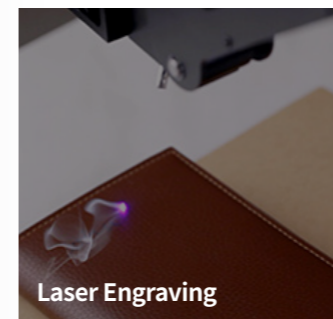
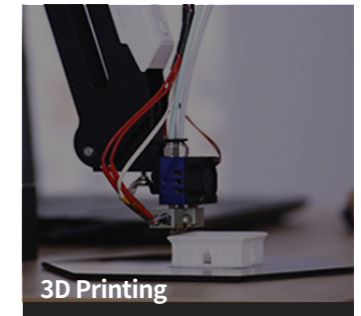
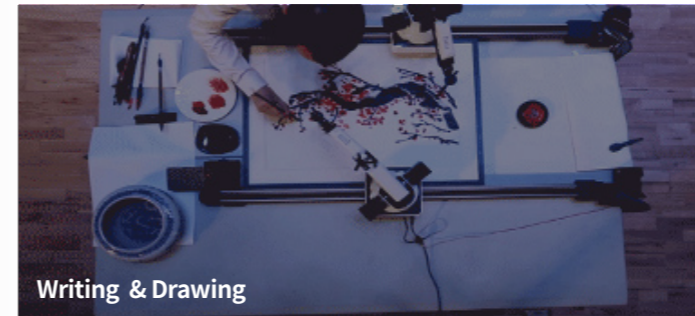
DOBOT Magician is a multifunctional desktop robotic arm for practical training education. Installed with different end-tools, DOBOT Magician can 3D print, laser engrave, write, draw and manipulate different objects. It has 13 expansion interfaces and supports over 20 programming languages, unlocking unlimited possibilities for further development.



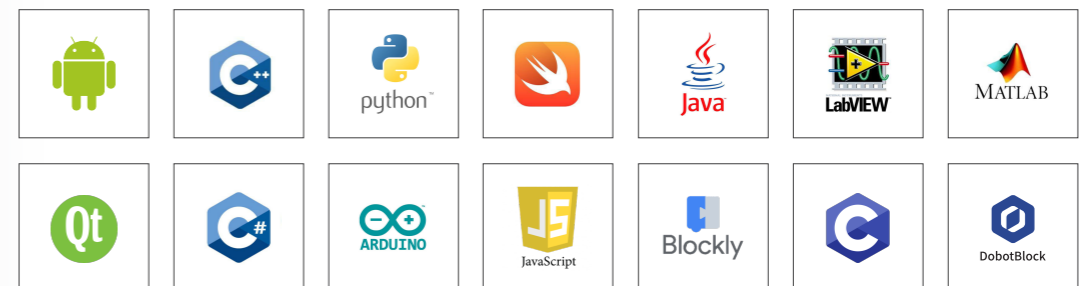
Multiple Control Methods



Easy-to-Install End Tools: Achieve Diverse Functions



Programming Languages & Methods



*Note: demos are provided for Matlab and LabVIEW.

Unlimited Possibilities for Further Development & Integration

I/O x 10
Power Output x 4
Stepper x 2

API

Microcontroller
ROS
Arduino
PLC

SDK
Communication
Protocol
Program Library

DobotBlock: Visual Programming Software

Explore, Tinker, Realize

- OCR

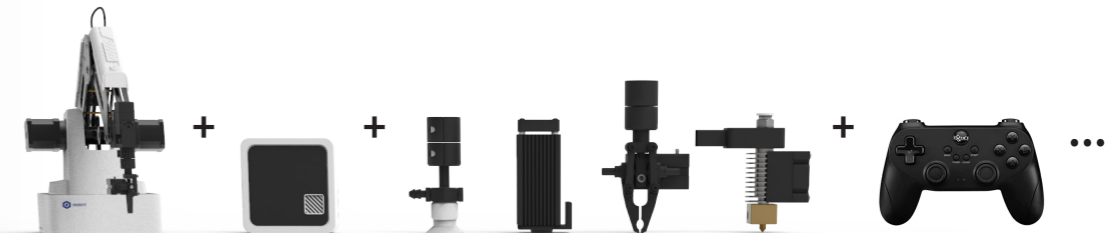
Facial Recognition

Image Recognition

Voice Recognition



What's in the introductory package?



DOBOT Magician	Game Controller	Writing Kit	3D Printing Kit
Gripper Kit	Pneumatic Kit	Laser Kit	Accessories
Tool Package	Bluetooth & Wifi Module	DobotBlock	DobotLink Development Software
Technical Support	1-Year Warranty	Step by Step Guide	Video Demo

What can I add on to develop further?

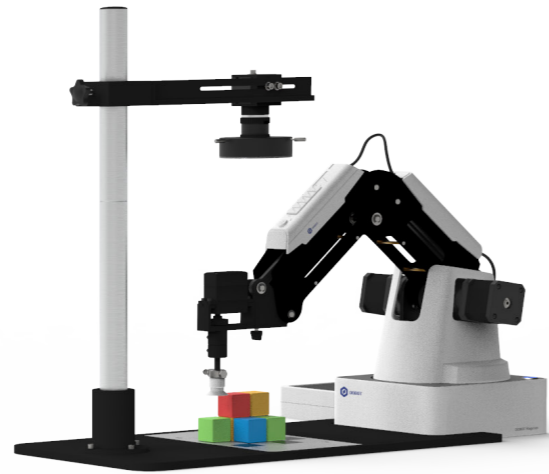
Linear Rail Kit

With Linear Rail Kit, DOBOT Magician can have its working range expanded to one meter (3.28 feet). This means the robot can do more industry 4.0 scenario-based tasks such long-distance pick and place, and a larger range of writing, drawing and laser engraving.



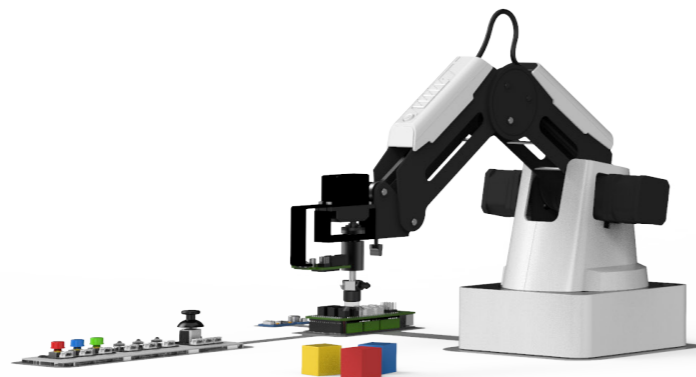
■ DOBOT Vision Kit

DOBOT Vision Kit provides a software and hardware platform based on vision development. With drag-and-drop software, users can set up a vision-based application scenario within minutes. Students and teachers can develop research-based projects, AI algorithm simulation and vision-based industrial applications.



■ Basic AI Kit

Basic AI Kit helps beginners understand the fundamentals of robotics, electronics, AI basic and Arduino. Teachers and students can bring AI to life by creating games with hardware and software and even use the engineering design process to break down a problem and design and build a solution.

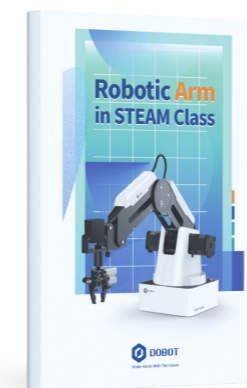


■ Conveyor Belt Kit

The Conveyor Kit features adjustable speed, distance and color sensor, perfect for creating mini automated assembly line to educate students on how automation system works.



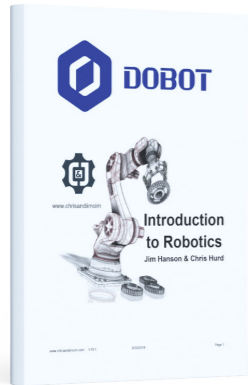
What's included in the curriculum solution?



■ Robotic Arm in STEAM Class

In this course, you will learn what artificial intelligence and intelligent manufacturing are and understand how different end tools of DOBOT Magician work such as the included gripper, suction cup, pen holder, 3d printing head, and laser engraving module.

You will experiment with a portfolio of fun, hands-on challenges and wrap up the course with a simulated project of industry 4.0 manufacturing line.



■ Introduction to Robotics

In this course, you will learn the basics of robotics as used in the industry, from robot axis and movement, using inputs and outputs, to making one robot work in tandem with another and building work cells.

This course is aligned with Standards for Technological Literacy and Next Generation Science Standards in the United States.



■ Introduction to LabVIEW

In this course, you will learn how to install DOBOT Magician SDK for LabVIEW, how to control the robot using motion and programming, how to install end-effectors on the robot to manipulate different objects, and how to run simulations on LabVIEW.

In the last few chapters, you will get to design and build some mini projects including vision-based sorting and voice-controlled robot.

What is DOBOT M1?

DOBOT M1 SCARA robotic arm is lightweight and safe to work alongside. M1 is now widely used to perform automation tasks in assembly line around the world such as pick and place, components separation, and quality inspection. The robotic arm is programmable on graphical programming language like Blockly and advanced language Python with , making it perfect for programming, engineering and robotics learning in vocation schools and higher education.



Quick Facts

