GATEIN TECHNOLOGY
جيت ان تكنولوجي

PRODUCT PRESENTATION · EDUCATION ROBOT

DOBOT Magician

Desktop 4-Axis Robot for Education

The world's first desktop-grade 4-axis robot for university students: 3D printing, laser engraving, calligraphy and drawing, with 13 interface ports.

Presented by GateIn Technology · Exclusive DOBOT partner in Egypt



Magician product highlights



Operable by one person

Every student gets hands-on time; control freely from PC, mobile and other wireless devices.

High expandability

13 interface ports and a programming button; create new functions with DobotLab script programming.

Wide accessory choice

Rails, conveyor belts, mobility and vision modules for different tasks.

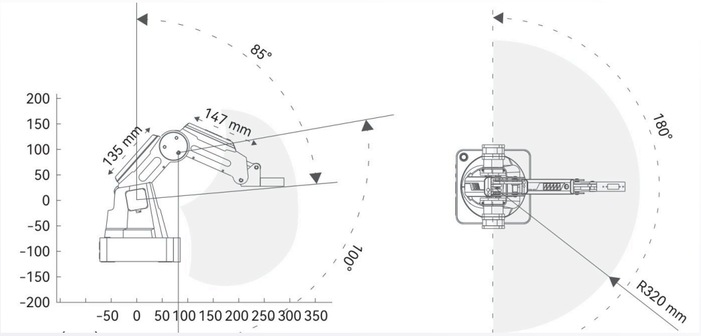
Key features

Calligraphy and drawing · 3D printing · drag-to-teach · laser engraving · script control · graphical programming · secondary development.

What students learn

Robotic systems · the DH convention · control of robot movement · robotic programming.

Magician Specifications



Parameter	Magician
Weight · base	3.4 kg · 158 × 158 mm
Materials · controller	Aluminium alloy, ABS plastic · DOBOT integrated controller
Axes · max payload	4 · 500 g
Max reach · repeatability	320 mm · ±0.2 mm
Communication	USB / Wi-Fi / Bluetooth
Power	100–240 V, 50/60 Hz · 12 V 6.5 A DC in · 78 W max
Working environment	-10 °C to 60 °C
Joint range · max speed (250 g)	J1 -120° to +120° 320°/s · J2 -5° to +90° 320°/s · J3 -15° to +90° 320°/s · J4 -140° to +140° 480°/s

Magician Software & end effectors

Item	Details
Software	DobotLab, DobotBlockly, DobotStudio, Repetier Host, GrblController3.6
SDK	Communication protocol, DOBOT program library
Extension interface	I/O × 10 (analog in or PWM out); 12 V power out × 4; UART, reset, STOP, 12 V, 5 V and two I/O; stepper × 2
3D printer kit	150 × 150 × 150 mm · PLA · 0.1 mm resolution
Laser	500 mW · 405 nm blue laser · 12 V, TTL trigger (PWM driver)
Pen holder	10 mm pen diameter
Vacuum suction cap	20 mm cap · −35 kPa
Gripper	27.5 mm range · pneumatic · 8 N force

GateIn One accountable partner

We don’t just ship the Magician. GateIn designs, supplies, installs, integrates and supports DOBOT solutions for universities, schools, government and industry, from the first plan to long-term support.

+120
ROBOTS SUPPLIED IN EGYPT
Industrial, service and educational

91
LABORATORIES
Across 45 institutions

+30
STRATEGIC & GLOBAL PARTNERS

5
YEARS OF DELIVERY
Since 2021

Design | Sourcing | Installation | Integration | Training | Long-term Support

An integrator, not a vendor.

Exclusive DOBOT partner for Egypt

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Let’s plan your Magician deployment

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