GATEIN TECHNOLOGY
جيت ان تكنولوجي

PRODUCT CATALOG · COLLABORATIVE ROBOTS

DOBOT Product Catalog

Make Automation Easy

CR, CRS, MG400, M1 Pro and Nova collaborative robots, plus welding, palletizing and screwdriving solutions.

Presented by GateIn Technology · Exclusive DOBOT partner in Egypt



gateintech.com · Benchmark Tomorrow's Tech.

68,000 robots sold globally

40%
R&D PERSONNEL
Share of DOBOT staff

1200+
IP RIGHTS
Intellectual property rights

406
INVENTION PATENTS
Granted

#1
CHINESE EXPORTER
Industrial robot exporter

100+
COUNTRIES
And regions covered

350+
DISTRIBUTORS
Distribution partners

Founded in 2015, DOBOT created the world's first desktop-grade collaborative robot. 6 product lines (CR, CRS, MG400, M1 Pro, Nova, Magician), 0.5–20 kg payloads, 15+ industries.

A global cobot leader



Industry leadership

Leads global sales of lightweight cobots; partners with Foxconn, BYD, Toyota, Sony, Samsung and dozens of Fortune 500 companies.

SafeSkin innovation

World's first pre-collision wearable accessory for cobots.

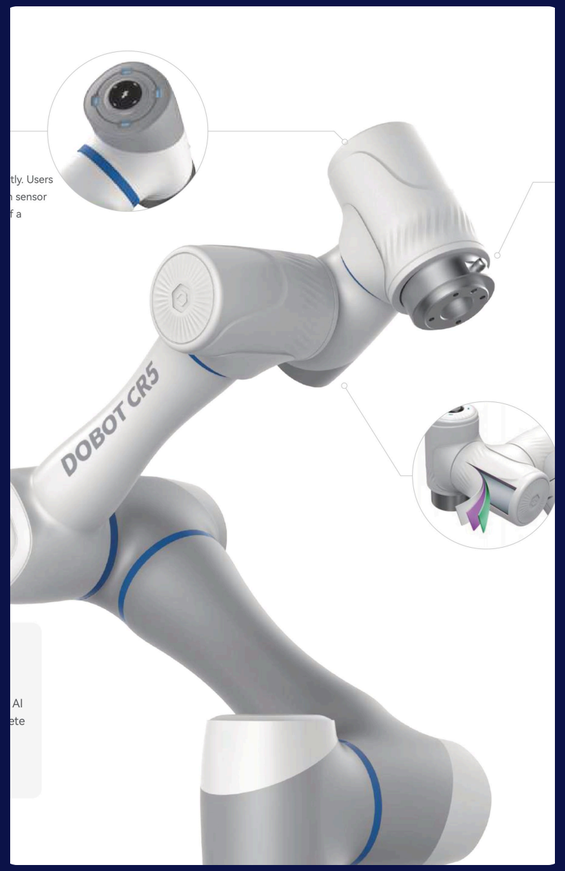
Global presence

3 R&D centres and branches in the US, Germany and Japan.

Production base

Rizhao, Shandong: 10+ smart production lines planned, 100,000 units annual capacity; fully automated assembly, welding and testing.

Core technologies



High-performance motion control

DH compensation and dynamics algorithms: 70% less residual vibration, 60% faster settling, 0.2–0.4 mm accuracy in complex motion.

Perceptive architecture

Visual, force and auditory perception; object recognition, autonomous path planning, force-controlled polishing.

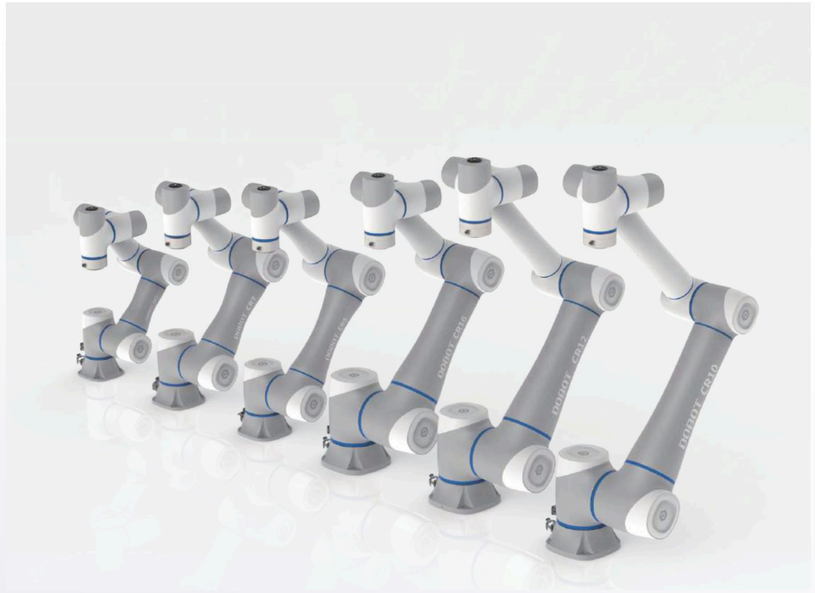
Innovative safety

SafeSkin senses objects within 15 cm and raises collaboration speed to 1 m/s, 4× the 0.25 m/s standard.

Human-machine collaboration

Smart control panel, one-button motion recording, and 3D vision to imitate human arm movements.

DOBOT CR Series made for flexible applications



3–16 kg payloads

200+ application scenarios in 15+ industries.

Safe collaboration

22 safety features; ISO 13849 and TS 15066; 5 adjustable collision-detection levels.

AI-infused, one-hand calibration

End-tip control panel; drag-to-teach, trajectory recording and replay at the press of a button.

Precise & reliable

Repeatability up to ±0.02 mm; MTBF 30,000 hours.

Cross-platform

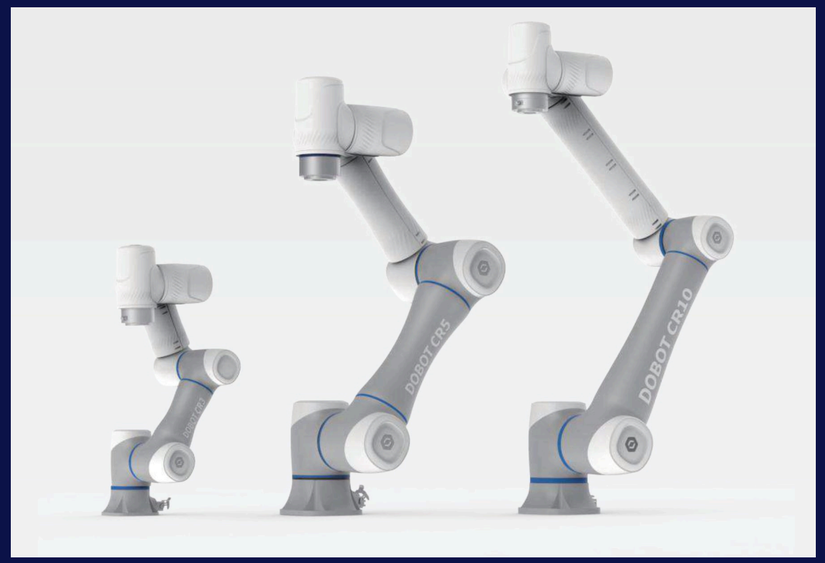
Graphical programming on phones, tablets, PCs and teach pendants; 433 Mbps network card.

CR Series specifications

Model	CR3	CR5	CR7	CR10	CR12	CR16
Weight	16.5 kg	25 kg	24.5 kg	40 kg	39.5 kg	40 kg
Payload	3 kg	5 kg	7 kg	10 kg	12 kg	16 kg
Working radius	620 mm	900 mm	800 mm	1300 mm	1200 mm	1000 mm
Max reach	795 mm	1096 mm	990 mm	1525 mm	1425 mm	1223 mm
Max TCP speed	2 m/s	3 m/s	3 m/s	4 m/s	4 m/s	3 m/s
J3 range	±155°	±160°	±160°	±160°	±160°	±160°
J1/J2 speed	180°/s	180°/s	180°/s	120°/s	120°/s	120°/s
Repeatability	±0.02 mm	±0.02 mm	±0.02 mm	±0.03 mm	±0.03 mm	±0.03 mm
Power	120 W	150 W	150 W	350 W	350 W	350 W

All: 48 V DC, J1/J2/J4–J6 ±360°, J3–J6 speed 180°/s, end I/O 2 DI/DO/AI + RS485, 5 m cable, TCP/IP, Modbus TCP, Wi-Fi, IP54, 0–45 °C. Control box CC162: 360 × 160 × 402.4 mm, 12 kg, 110–220 V AC, 16 DO + 16 DI/DO, 2 AI/AO, ABZ encoder, IP20.

DOBOT CRS Series with SafeSkin



15 cm proactive protection

Senses obstacles within 15 cm and stops or evades automatically.

10 ms response time

Reacts within 0.01 s with user-defined procedures.

360° safety protection

Soft silicone SafeSkin works through clothes and plastic gloves.

4× efficiency gains

Collaboration speed up to 1 m/s. Available in 3, 5 and 10 kg payloads (CR3S, CR5S, CR10S).

SafeSkin: proximity and contact sensing; 5–15 cm range; 0.01 s sensing cycle; 0.1 s emergency stop; J4–J6 installation recommended.

Desktop, SCARA & retail cobots



DOBOT MG400

Desktop-grade industrial arm: 190 × 190 mm footprint, ±0.05 mm, MTBF 20,000 h, replaces up to 2 workers.



DOBOT M1 Pro

Collaborative SCARA: 15-min plug-and-play setup, 5 collision levels, no light curtains needed.



DOBOT Nova Series

Retail cobots, 2 and 5 kg: 40% lighter, palm-sized control box, deploy in 10 minutes, colour customisation.

Lightweight robots key specifications

Parameter	MG400	M1 Pro	Nova 2	Nova 5
Axes · payload	4 · 500 g (max 750 g)	4 · 1.5 kg	6 · 2 kg	6 · 5 kg
Working radius	440 mm	400 mm	625 mm	850 mm
Repeatability	±0.05 mm	±0.02 mm	±0.05 mm	±0.05 mm
Max joint speed	300°/s	180°/s (J1, J2)	135°/s	100°/s
Weight	8 kg	15.7 kg	11 kg	14 kg
Power	100–240 V AC · 150 W	100–240 V AC	100 W typ / 250 W max	230 W typ / 770 W max
Communication	TCP/IP, Modbus TCP	TCP/IP, Modbus, Wi-Fi	TCP/IP, Modbus TCP, RS485	TCP/IP, Modbus TCP, RS485

Software, accessories & certifications

DobotStudio Pro

Windows software with secondary development and embedded simulation.

CR Studio

Mobile app with graphical and script programming.

SmartPendant

Hardware pendant with physical buttons and emergency stop.

Certifications

ISO 13849 PL=d, ISO/TS 15066, CE, NRTL, RCM, CR, KCs, MTBF 20,000/30,000 h, ISO 5 cleanroom, SEMI S2 & S8.

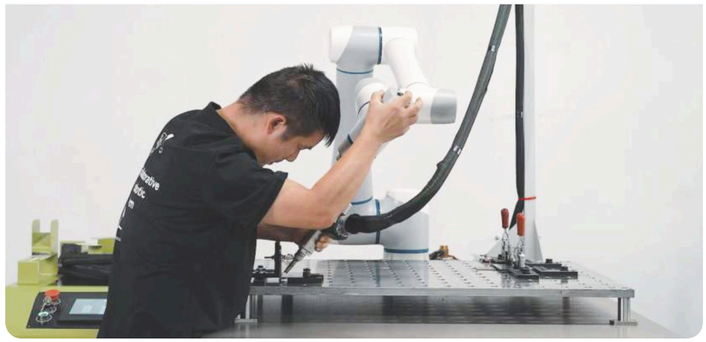
DOBOT+ ecosystem

100+ plug-and-play cameras, grippers, force sensors, AGV/AMR.

20+ dev platforms

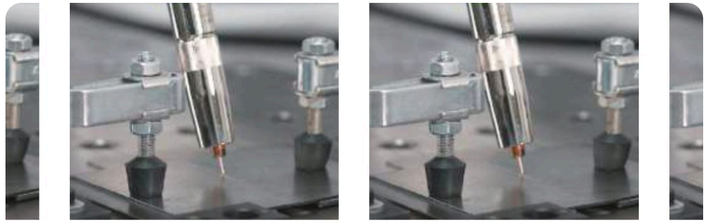
C, C++, C#, Python, ROS, MATLAB, LabVIEW, Android.

Ready-made solutions



Welding solution

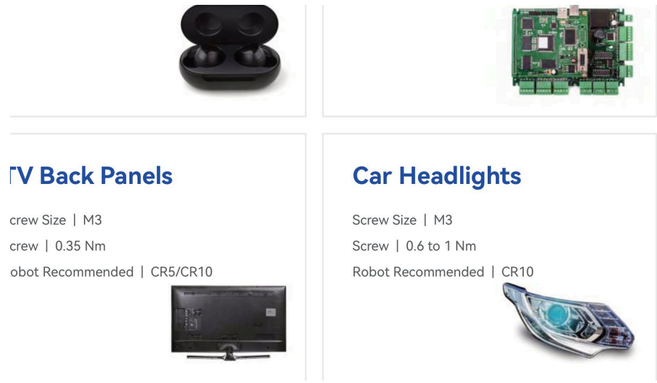
Modular station + process package; deploy in 30 min; 2-station setup; arc & laser; carbon steel, stainless, aluminium, copper.



Circular Ladder

Weave patterns

Triangle, circular, ladder and sine wave; compatible with OTC Daihen, Fronius, Lincoln, EWM, GYS, AOTAI, Megmeet.



Screwdriving solution

M1.0–M5.0 screws, <±5% torque accuracy, 2-step calibration saves up to 80% deployment time.

Palletizing solution: plug-and-play station deployed in 2–4 hours; 4-step setup in under 10 minutes; max height 1,800 mm, 7 objects/min, 8 kg payload, 1,219 × 1,219 mm pallets.

Service & support



Full life-cycle support

Model selection, application deployment, maintenance, repair and online diagnosis.

Warranty

Up to 5 years of DOBOT robot warranty.

Training programs

Beginner to advanced courses with certificates.

After-sales service

7 × 24 online support; professional solutions within 12 hours; OTA software updates.

GateIn One accountable partner

We don’t just ship the DOBOT robots. 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

GATEIN TECHNOLOGY
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Let’s plan your DOBOT robots deployment

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