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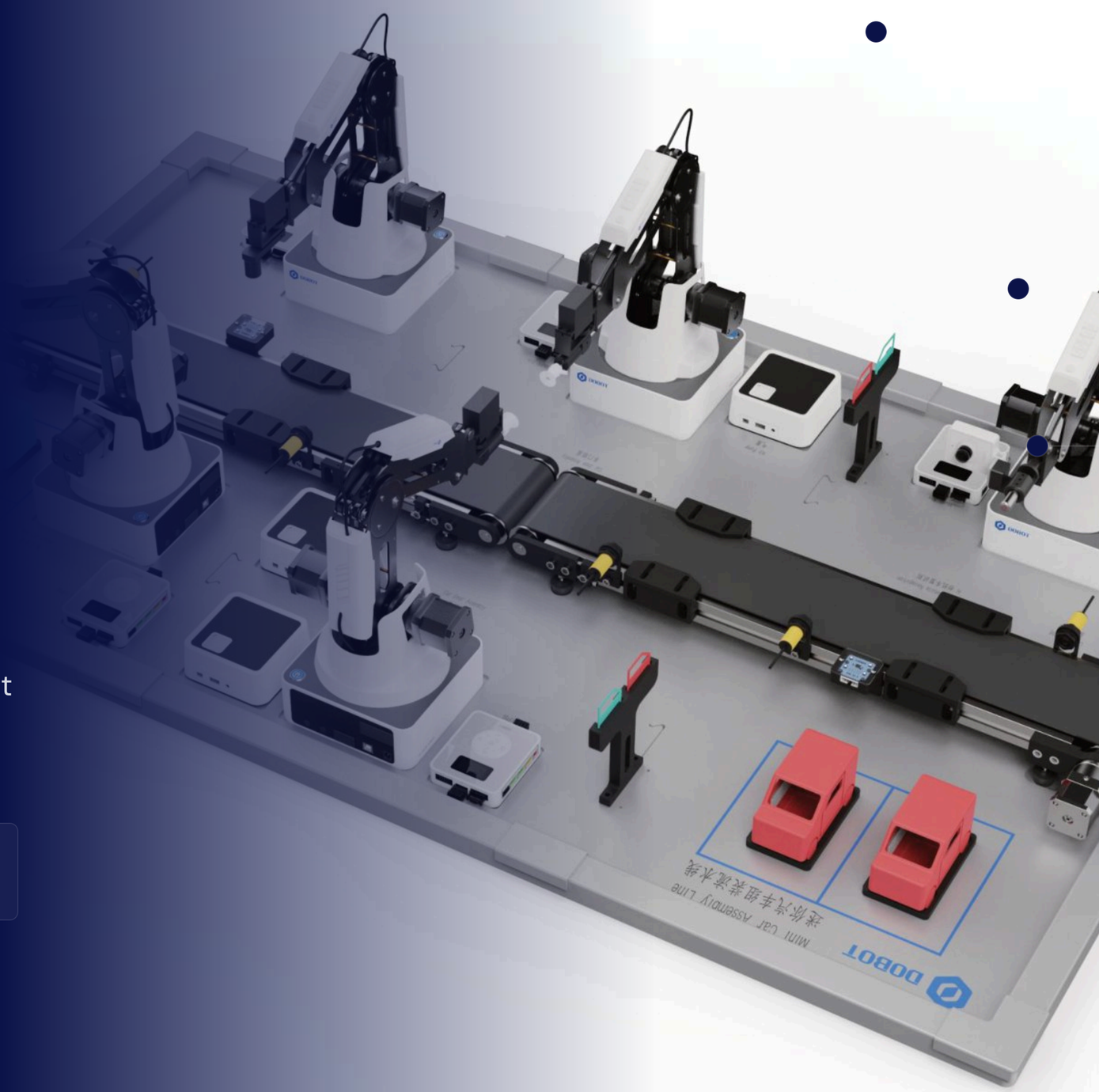
PRODUCT PRESENTATION · INDUSTRY 4.0 EDUCATION

Magician Mini Car Assembly Line

Practical Industry 4.0 Education at Your Fingertips

Robotic arm programming, AI visual recognition and intelligent sensors reproduce welding, painting and assembly steps of automotive manufacturing.

Presented by GateIn Technology · Exclusive DOBOT partner in Egypt



gateintech.com · Benchmark Tomorrow's Tech.

Product features

Authentic industrial process replication

Simulates automotive welding, painting and assembly.

Modular smart system

Mixed-flow production of two vehicle models for flexible manufacturing.

AI empowerment

AI cameras recognize vehicle models and adjust welding paths and assembly plans (AIoT thinking).

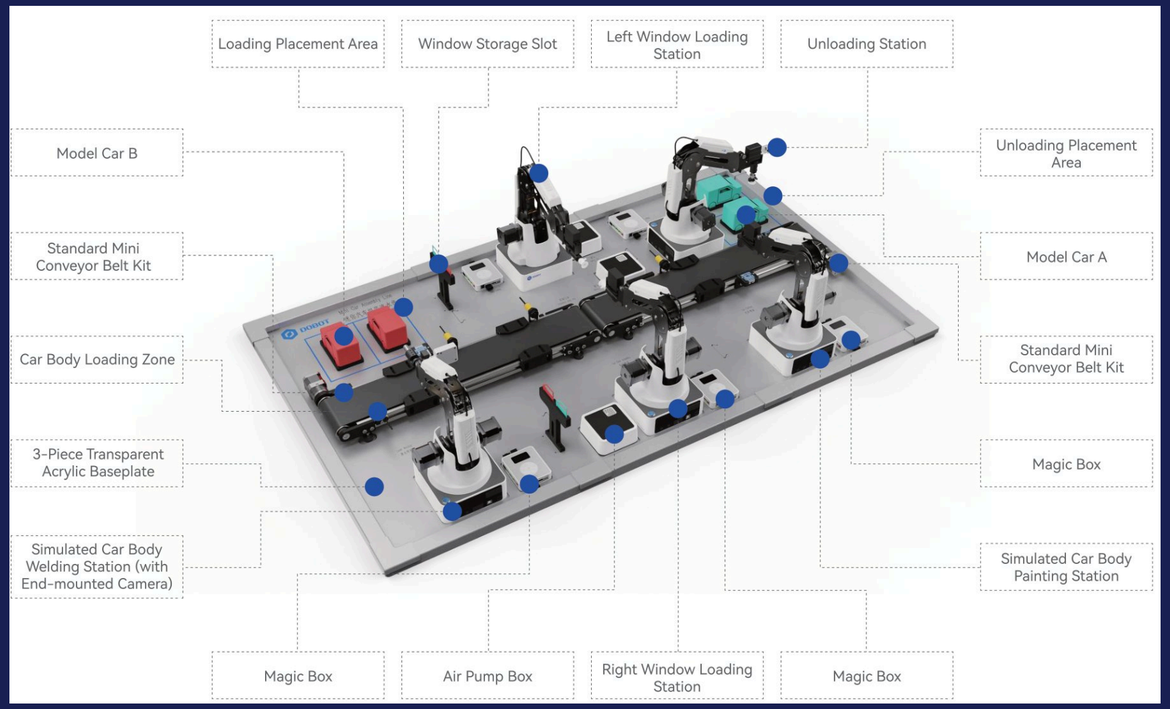
Desktop-grade 4-axis smart arm

Full-process simulation of welding, spraying and door assembly.

Modular design

Modular base and cable trays for easy installation and transport.

Product setup



Stations

Loading/unloading areas, window storage and loading stations, simulated welding (end-mounted camera) and painting stations, magic boxes, air pump box, two mini conveyor kits, model cars A and B, 3-piece acrylic baseplate.

Teaching content & scenarios

Industry 4.0 smart manufacturing

Understand smart manufacturing and automation by replicating automotive production.

Modular & flexible production lines

Adjust production models to varying demand.

Robot programming & control

Operation, programming logic and task scheduling on desktop arms.

AI + robotics integration

AI visual recognition with robot programming builds AIoT skills.

Industry 4.0 education & practice

Hands-on automotive production processes for students.

Tech exhibition centres

Showcase smart manufacturing innovation live.

Mini Car Assembly Line Configuration list

Product	Qty	Description
Magician (Basic)	5 sets	Desktop-grade 4-axis robotic arm
Conveyor belt	2 sets	Simulated car transportation line
Magic Box	5 sets	External controller for robotic arms
AI camera kit	1 set	Vehicle recognition, triggers 2 door assembly commands
Photoelectric sensor	5 pcs	Position detection (2 on conveyor, 3 additional)
Laser kit	1 set	Simulates door welding with dot laser
Spray painting light	1 set	Simulates painting with lighting effects
Positioning baseplate	3 pcs	Main installation and positioning boards

Magician arms and conveyor belts are not included in the kit and must be purchased separately. Installation toolkit includes mounting screws and hex wrenches.

Mini Car Assembly Line Specifications



Item	Specification
Overall dimensions	1500 × 880 mm, three-section assembly
Magician (Basic)	4-axis · max payload 500 g · max reach 320 mm
Conveyor belt	Effective length 600 mm · max speed 120 mm/s
AI camera kit	USB 2.0 · integrated microphone · 0–135° adjustable · face, image, OCR and voice recognition
Photoelectric sensor	Detection range 30–150 mm
Laser kit	12–24 V, green laser
Spray painting light	12 V, 18.5 mm spotlight

GateIn One accountable partner

We don’t just ship the Mini Car Assembly Line. 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 Mini Car Assembly Line deployment

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