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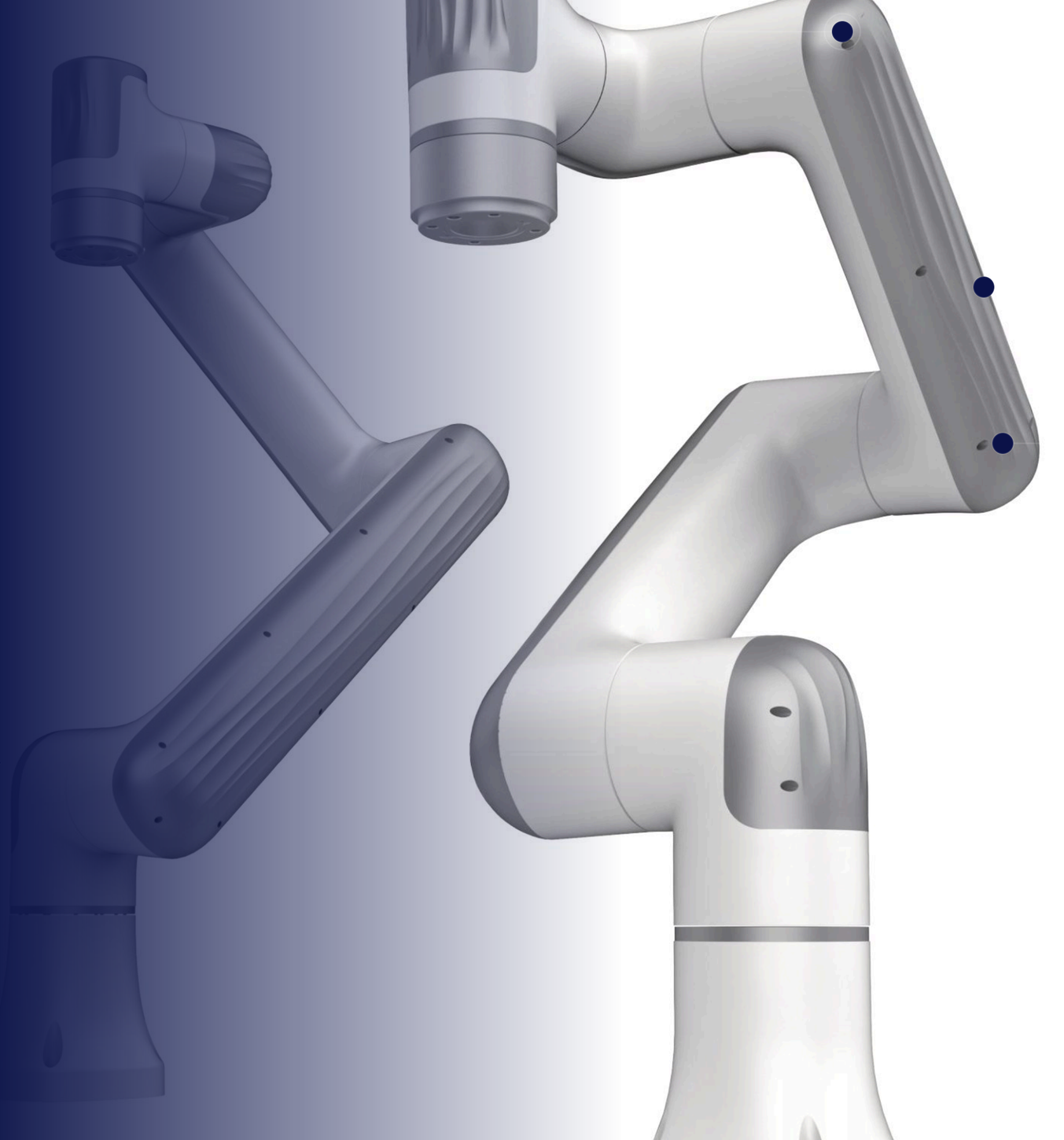
PRODUCT PRESENTATION · ULTRA-COMPACT COBOTS

# DOBOT Nova Series

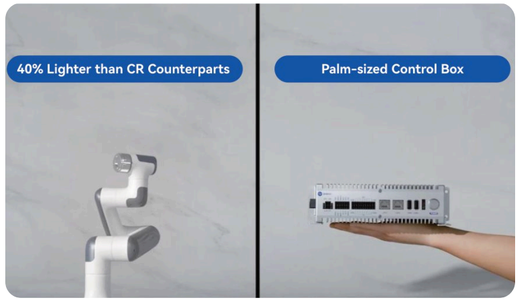
## Ultra-Compact Industrial Robots

Nova 2 and Nova 5 for light industry: consumer electronics, semiconductor, automotive, lithium battery, lab and healthcare.

Presented by GateIn Technology · Exclusive DOBOT partner in Egypt

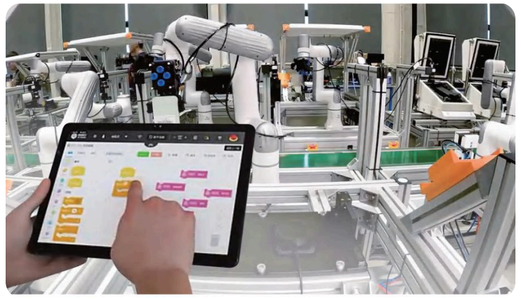


# Key features




## Compact & lightweight

40% lighter than CR counterparts, palm-sized control box, modular structure for tight spaces.



## Easy to use & flexible to deploy

Block-based programming, no coding experience needed, wireless tablet connection.



## Safe human-robot collaboration

5-level collision detection, instant electromagnetic braking, configurable interference zones.



## Brilliant expandability

Wide range of end-effectors; SDK for C++, C#, Python, ROS1, ROS2.

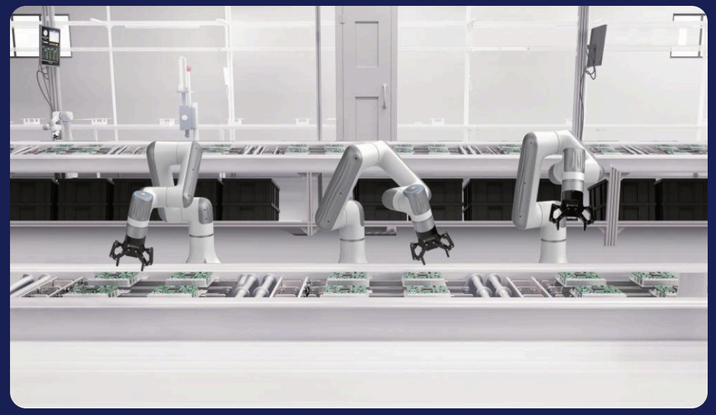
# Built for real production



Perfect for tight workspaces

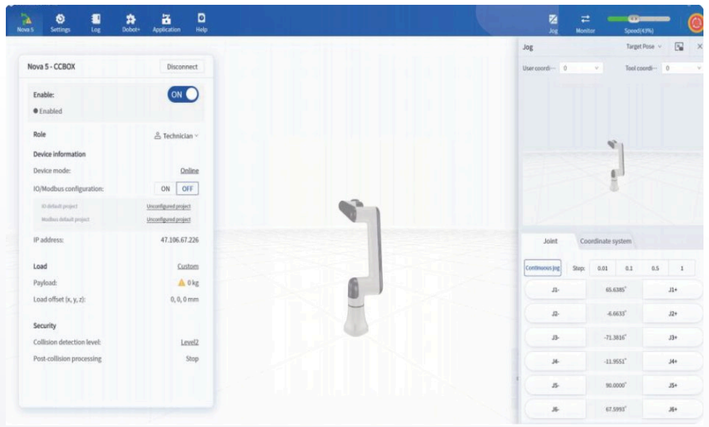



Easy to deploy on a mobile workstation



Switch between diverse product lines

# Upgraded software for smarter control




## DobotStudio Pro 4.6.1

Control system optimized for industrial applications.

## Flat UI design

Smoother operation.

## Vibration suppression

High-precision tasks.

## Smart payload identification

Auto-adapts to different workloads.

## Multi-layer safety

Safety walls/zones and auto/manual switching.

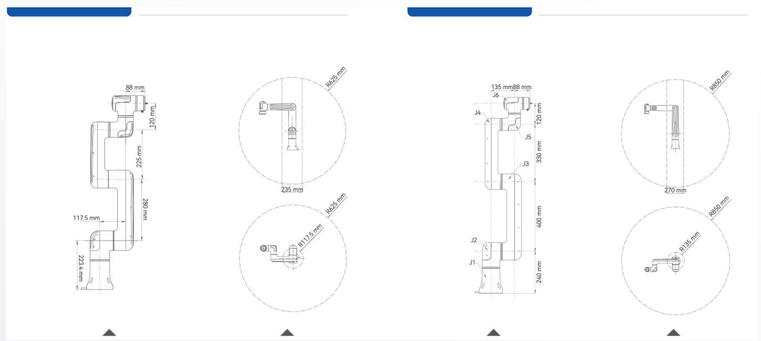
## Logs & permissions

Operation logs and user permission management for traceability.

# Nova Series Robot specifications

| Parameter | Nova 2 | Nova 5 |
|---|---|---|
| **Weight · payload** | 11 kg · 2 kg | 14 kg · 5 kg |
| **Working radius · max speed** | 625 mm · 1.6 m/s | 850 mm · 2 m/s |
| **Range J1 / J2 / J3 / J4–J6** | ±360° / ±180° / ±156° / ±360° | ±360° / ±180° / ±160° / ±360° |
| **Max joint speed J1–J6** | 135°/s | 100°/s |
| **End IO** | 2 DI · 2 DO · RS485 | 2 DI · 2 DO · RS485 |
| **Repeatability · IP** | ±0.05 mm · IP54 | ±0.05 mm · IP54 |
| **Noise** | 65 dB(A) | 70 dB(A) |
| **Power typical / max** | 100 W / 250 W | 230 W / 770 W |
| **Environment · mounting** | 0–50 °C · any angle | 0–50 °C · any angle |
| **Cable · materials** | 3 m · aluminium alloy, ABS | 3 m · aluminium alloy, ABS |

# Nova Series Controller specifications



| Parameter | Controller |
|---|---|
| **Dimensions · weight** | 200 × 120 × 55 mm · 1.3 kg |
| **Input power · IO power** | 30–60 V DC · 24 V, max 2 A (0.5 A per channel) |
| **IO interface** | 8 DI, 8 DO (NPN/PNP) · 2 AI, 2 AO (0–10 V) |
| **Communication** | 2 × network (TCP/IP, Modbus TCP) · 2 × USB (wireless module) · 1 × RS485 (Modbus RTU) |
| **Environment** | 0–50 °C · 0–95% RH non-condensing |
| **Other** | Remote power on/off · IP20 · passive cooling |
| **Software** | DobotStudio Pro 4.6.1 and above |

# GateIn One accountable partner

We don’t just ship the Nova. 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 Nova deployment

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