

H35-210

H Series robot redefines programming mode, establishing a shared safety space between humans and robots. Through seamless integration with AI, it delivers flexible manufacturing solutions for enterprises, embodying unparalleled intelligence, efficiency, safety, and reliability.

35_{kg}

Payload

2100_{mm}

Reach

170_{kg}

Weight

±0.05_{mm}

Repeatability



✓ TRUSTED SAFETY

- Emergency stop, incl. STO, SBC.
- All-Joint braking system: Zero droop during power loss.

⚡ ADVANCED MOTION CONTROL

- Paired with the speed of traditional industrial robot.
- Precision upgraded to industrial robot level through accurate calibration and compensation.
- Identification and compensation of high precision kinematic models ensure both accurate trajectory and smooth movement.

🔗 FLEXIBLE USABILITY

- Easy handling with enhanced precision for point-to-point and trajectory programming.
- Mastering the robot in 60 minutes via graphical UI and intuitive hand guiding.
- Integrated vision system, capable of running in unstructured and dynamic automation.

🔒 QUALITY SYSTEM

- Comprehensive manufacturing quality management system.
- Rigorous manufacturing quality control & inspection.
- Kinematic calibration before shipment to ensure absolute accuracy.
- 100+ design type tests, 20+ delivery inspections, 120 hours continuous no failure operating before shipment.

H35-210

Specification



Control Cabinet



Model	H35-210
DOF	6
Payload (kg)	35
Reach (mm)	2100
Repeatability (mm)	±0.05
Weight (kg)	170
IP Classification	IP54
Max. Speed at Tool End (m/s)	2
Working Range	Axis1/2/4/5/6: ±360° Axis3: ±160°
Max. Speed	Axis 1/2: 45 °/s Axis 3: 110 °/s Axis 4/5/6: 150 °/s
Mounting	Any orientation
Operating Temp.	0 – 50 °C
Operating Humidity	70% RH
Flange Connector	ISO 9409 1-80-6-M8
Flange Communication	2DI, 2DO, 24VDC, RS485

Demonstrator	PC/Laptop/Tablet/Smartphone/Teach pendant
Safety device	1 hand-held enable channel, 1 hand-held E-stop channel
Teaching mode	Point/Continuous trajectory
High dynamic force control	Cartesian space Axis space impedance control
IP classification	IP20
IO interface	16DI (PNP), 8DO (PNP), 2AI/2AO 7 channels of safety emergency stop input
Power supply	24VDC, 2A
Communication	Default TCP/IP, Modbus RTU, Modbus TCP, RS485 Option Profinet (slave), EtherNet/IP (slave)
Power	4.5kW
Cabinet dimension	450*280*360mm
Weight	20kg
Material	SUS
Cable length	Robot-Cabinet: 3m Cabinet power cable: 3m, Handle: 5m

End Effectors

Various end effectors can be quickly switched to match multiple industry applications



Handling



Screw fastening



Polishing



Welding



Spraying

Teach Pendant

Optional

Weight (excl. cable) 1.24kg

Display Size 10.1 inch



Technical Drawings

