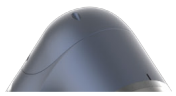
ESTUN CoDroid | Collaborative Robot

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.



Payload

Reach

Weight

Repeatability

TRUSTED SAFETY

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

FLEXIBLE USABILITY

- 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 motion.
- Kinematic calibration before shipment to ensure absolute accuracy.

QUALITY SYSTEM

Specification

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 1/2/3: 90 °/s	Axis 4/5/6: 150 °/s
Mounting		Any orientation
Operating Temp.		0 – 50 °C
Operating Humidity		70% RH
Flange Connector		IA
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	IP54
IO interface	16DI (PNP), 8DO (PNP), 2AI/2AO
	7 channels of safety emergency stop input
Power supply	24VDC, 2A
Communication	Default
	Option
Power	
Cabinet dimension	
Weight	
Material	PC

End Effectors

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



Handling | Screw fastening | Polishing | Welding | Spraying

Teach Pendant Optional

Weight (excl. cable)	1.24kg
Display Size	10.1 inch