

COBOTARC | Collaborative Robot

S Series S-Eco

Multiple safety features, innovative UI and programming, and deep integration of AI – the S-series cobot builds flexible production processes, which are smarter and safer, more efficient and reliable, for human-robot collaboration in industries.



TRUSTED SAFETY



- Emergency stop, incl. STO, SBC, conforms to EN ISO 10218-1, EN ISO 13849-1 Pld.Cat.3*.
- Sensitive to collisions.
- Brakes built into all axes.

EASY AND FLEXIBLE TO USE



- Built-in torque sensor, supporting by wizard force control kit.
- Teaching precise points and paths by agile manual guidance.
- Graphical UI for easy programming that can be mastered in 1 hour by novice Integrated vision system, capable of running in

PERFORMANCE



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

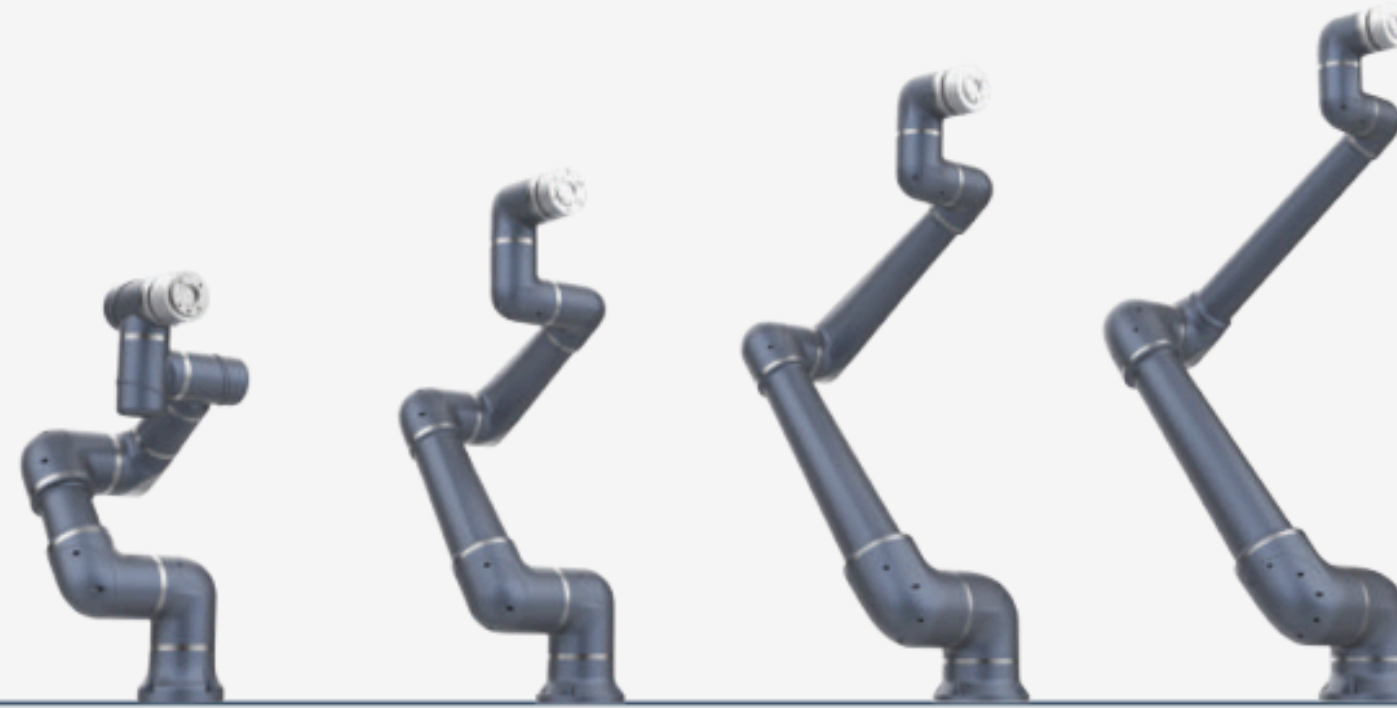
QUALITY SYSTEM



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

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S Specifications



S-Eco

Model	S3-60 Eco	S5-90 Eco	S10-140 Eco	S20-180 Eco
DOF	6			
Payload (kg)	3	5	10	20
Reach of Arms (mm)	575.8	919	1400	1777.5
Repeatability (mm)	±0.03	±0.03	±0.03	±0.1
Dead Load (kg)	14	21	37	58
Safety	Adjustable collaborative drag mode and collision detection levels			
Certification	EN ISO 13849-1 PLd Cat.3 & EN ISO 10218-1			
IP Grade	IP54			
Max. Speed at Tool End (m/s)	2	2.5	2.5	3.2
Working Range	Axis1/2/4/5/6: ±360° Axis3: ±160°			
Max. Speed	[3、5、10kg] Axis 1/2/3: 150 ° /s [20kg] Axis1/2: 110 ° /sAxis3: 150 ° /s Axis 4/5/6: 180 ° /s			
Mounting	Mount at any angle			
Operating Temp.	0 – 50 ° C			
Operating Humidity	70% RH			
Flange Connector	ISO 9409-1-50-4-M6			
Flange Communication	2 DI, 2DO, 24VDC, MODBUS RTU, RS485			