

SR-Steering Robot

Brochure



AGENDA



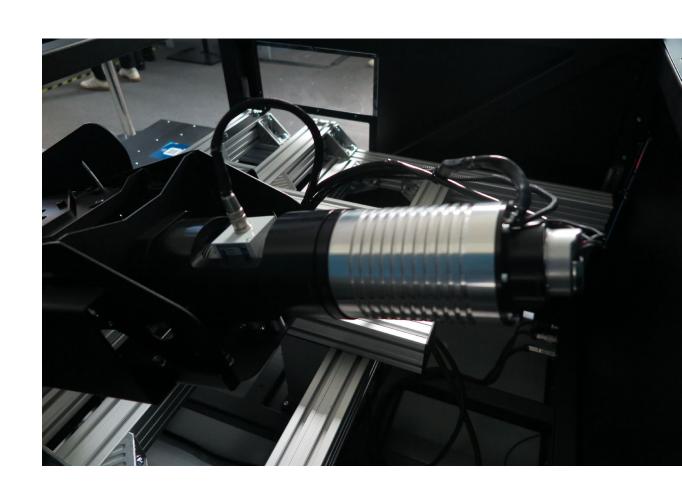
Introduction 03
What can you do with SR? 04
Key performances of SR 05



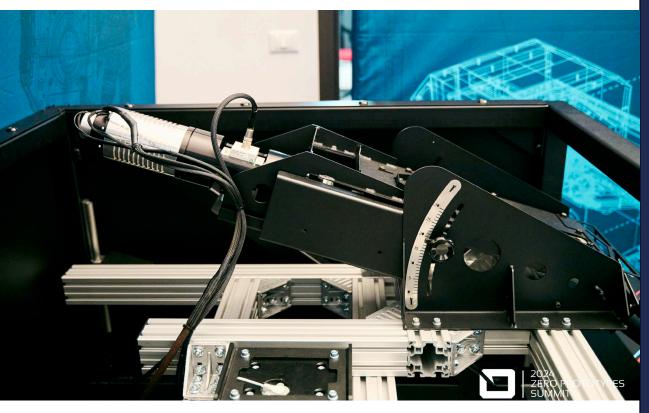
Introducing SR: your key to precision steering systems.

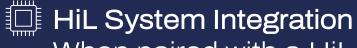
The Steering Robot (SR) is a highperformance direct-drive actuator for steering systems like EPSiL DuT.

SR enables both testing automation and integration with driving simulation.



What can you do with SR?





When paired with a HiL system (e.g., EPSiL) and a remotized steering feedback unit (e.g. ASF), it controls the steering rack and provides real steering feedback for DiL testing with Virtual Column control system.

Used independently, it delivers precise reproduction of steering torques during automated testing.

Autonomous Steering & ADAS
Suitable for the development of
autonomous steering functions,
supporting improvements in ADAS
and driving automation systems.



Key performances of SR

Technical Feature	Technical Specification
Possible use cases	Model in the loop Remoted hardware in the loop
Torque on steering actuators	>62.1 Nm peak >10 Nm rms
Bandwidth of the remoted closed loop	>5 Hz
Steering actuators torque sensor accuracy	0.5% FS
Adjustable frame	optional
Communication latency	<3 ms
Safety system	Multisensor-basedSTO
Communication protocol with the real time machine	Ethercat, CAN, Flexray, other.















Legal Office

Via XX Settembre, 50 50129 Firenze Italy Operational Headquarters

Via Ezio Tarantelli, 15 50019 Sesto Fiorentino (FI) Italy

