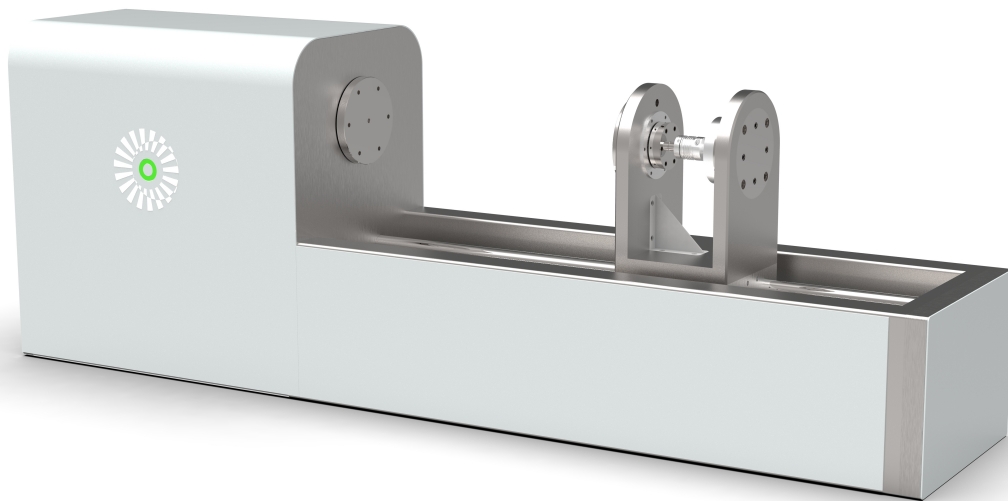




THELKIN
Know the Difference

Product Information

ROTATION TEST SYSTEM





FULLY ELECTRIC

“Plug-and-Test” – no power source needed other than a standard electrical outlet.

Standard electric power supply is sufficient to drive this system – no hydraulic or other power supply required. This means, no noise, no maintenance, no spills, no environmental hazard. It is easy, clean, quiet and efficient.



HIGH PRECISION

Great rotational accuracy and a highly precise torque sensor.

This precision provides the basis for superior closed-loop control performance and system dynamics. And even small, customer-defined load and monitor profiles can be applied with a high level of accuracy.



LOW MAINTENANCE

The entire system is designed to require virtually no maintenance.

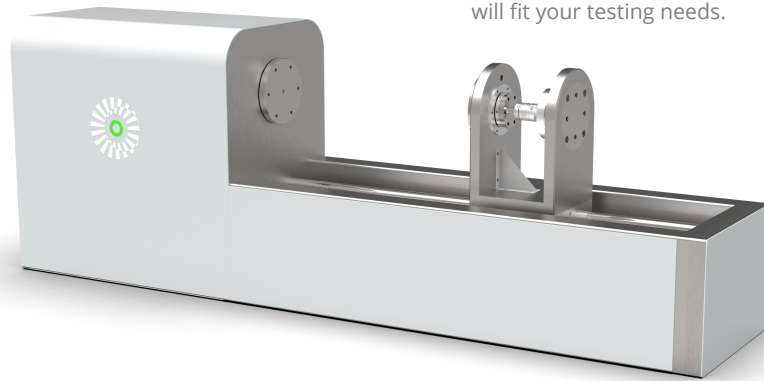
All components – drive-train, actuator, bearings - are highly over dimensioned. Even significant side-loads will be tolerated. In the improbable case of failure, we carry all components of your system as spare parts: rental systems and contract testing are further available.



FLEXIBLE

Workspace and system size – easily adaptable to your needs.

Tell us your specifications are and we will build your system accordingly. Our flexible design can be adjusted to your required size, load and specimen adaptation to make sure that it will fit your testing needs.



COMPACT AND RIGID

The reinforced frame has been designed for optimized force distribution and stiffness.

Robust load-frame design and the integrated power train provide the basis for excellent control accuracy of highly dynamic performance. In addition, the bearing layout assures great rotational stiffness of the actuator.



PURE DESIGN

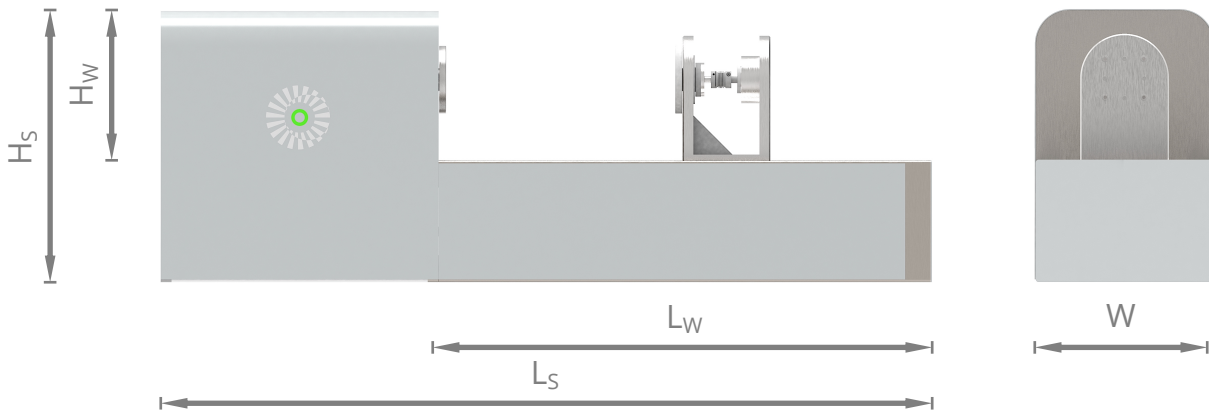
Optimized outside chassis for safe use, even in harsh environments.

The system is designed eliminate any features that can get in the way of the testing setup or pose a hazard to the user. The entire system can be optimized to be used under harsh conditions or in clean room environments.

Description

THELKIN offers a rotational test machine which is used for angle or torque controlled rotational testing of products and materials. Universal mounting adapters allow for the quick and easy sample fixation.

Specifications



Model			SDR-010	SDR-025	SDR-050	SDR-100	SSR-150	SSR-250
Torque	max.	Nm	10	25	50	100	150	250
	cont.	Nm	5	10	20	40	150	250
Frequency	max.	Hz	50	50	50	50	5	5
Work Space ¹	Height	H _w mm	250	250	250	300	350	350
	Length	L _w mm	600	600	600	600	600	600
Dimensions	Height	H _s mm	400	400	400	450	500	500
	Width	W mm	250	250	250	300	350	350
	Length	L _s mm	1'200	1'200	1'200	1'200	1'200	1'200
Weight		kg	32	38	45	60	85	100

¹ Other dimensions upon request.

System



Software



One software for all systems: static, dynamic load frames and rotation systems are driven by the same highly user-friendly, versatile and comprehensive interface. The software comes with every THELKIN product – without any additional charges.

