



THELKIN
Know the Difference

Product Information

STATIC TEST SYSTEMS





HIGH PRECISION

Position accuracy of less than 1 μm and a highly precise load 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.



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.



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.



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.



LOW MAINTENANCE

The entire system – drive-train, actuator, bearings – is designed to require virtually no maintenance.

All bearing components 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.

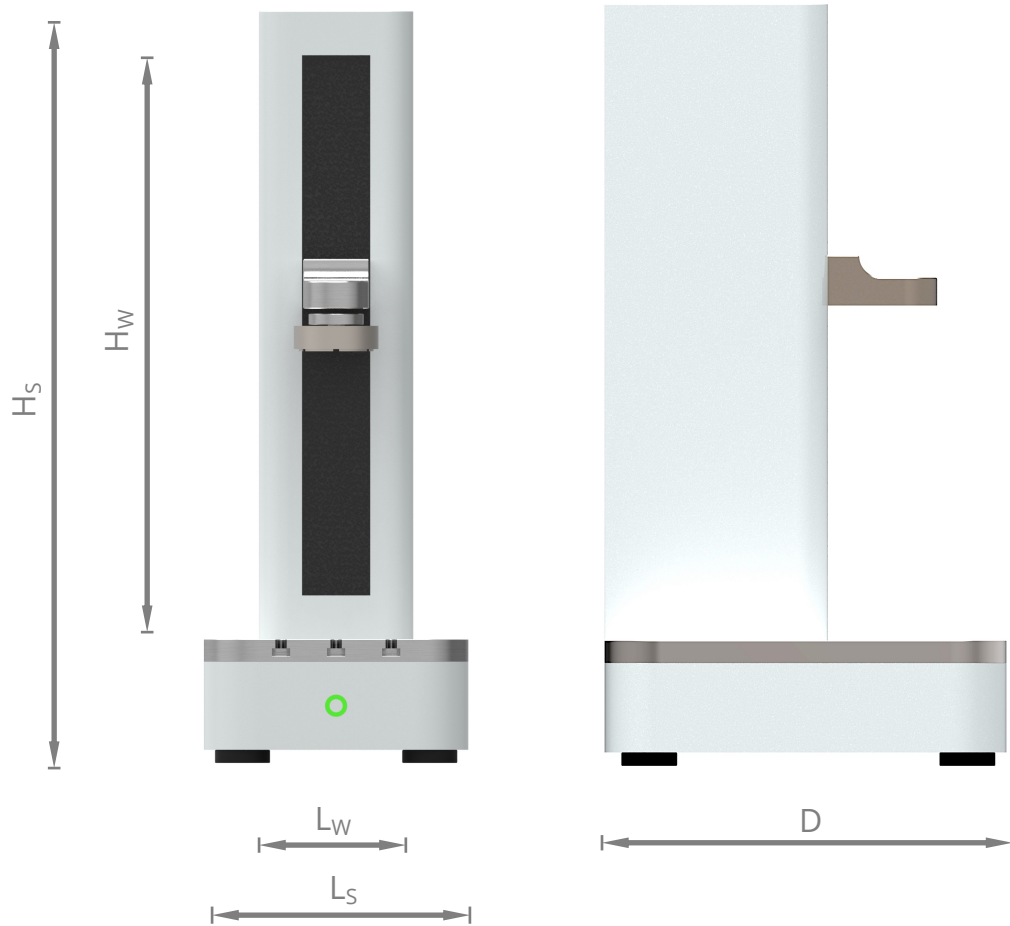


FLEXIBLE

Workspace and system size, adaptation type, load and displacement specifications

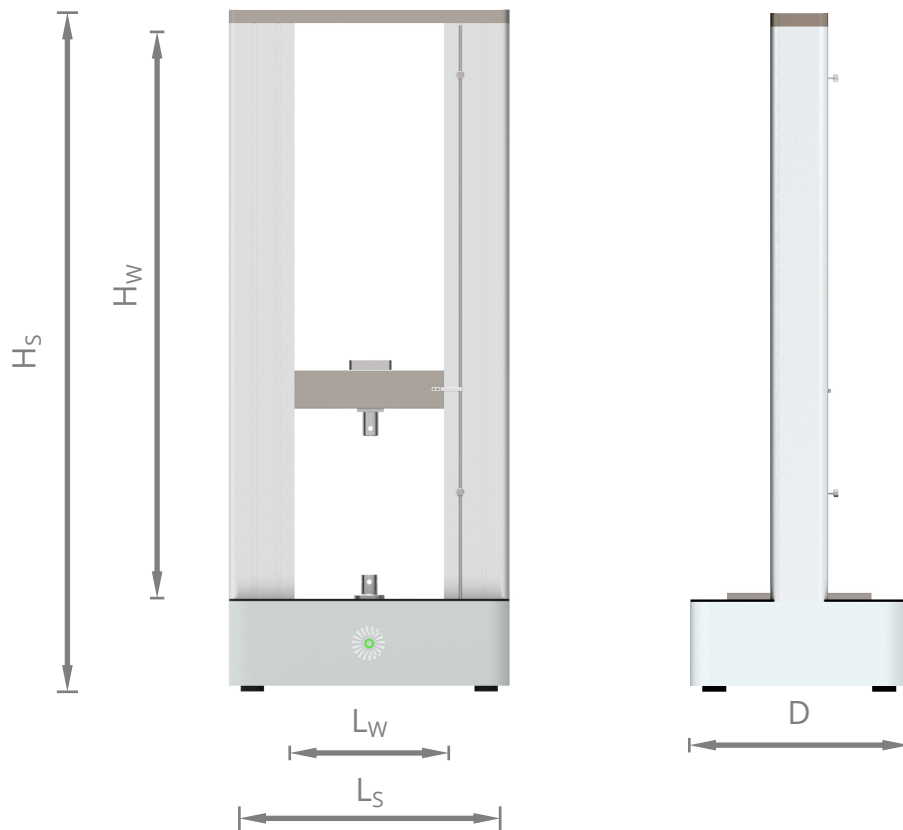
Tell us your specifications are and we will build your system accordingly. Our flexible design can be adjusted to your required size, load and specimen adaptation to make sure that it will fit your testing needs.

Specifications



Model		SSL-S-005	SSL-S-010		
Load	max.	N	500	1000	
Displacement		mm	500	800	
Work Space	Height	H _w	mm	400	700
	Width	L _w	mm	280	280
Dimensions	Height	H _s	mm	700	1000
	Depth	D	mm	420	420
	Width	L _s	mm	280	280
Weight		kg	20	28	

Specifications



Model		SSL-M-050	SSL-M-100	SSL-L-250	SSL-L-500
Load	max. kN	5	10	25	50
Displacement	mm	1000	1000	1200	1200
Work Space	Height H_w mm	800	800	1000	1000
	Width L_w mm	320	320	400	400
Dimensions	Height H_s mm	1400	1400	1800	1800
	Depth D mm	460	460	520	520
	Width L_s mm	600	600	800	800
Weight	kg	160	160	250	250

System

Load Frame



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.

