

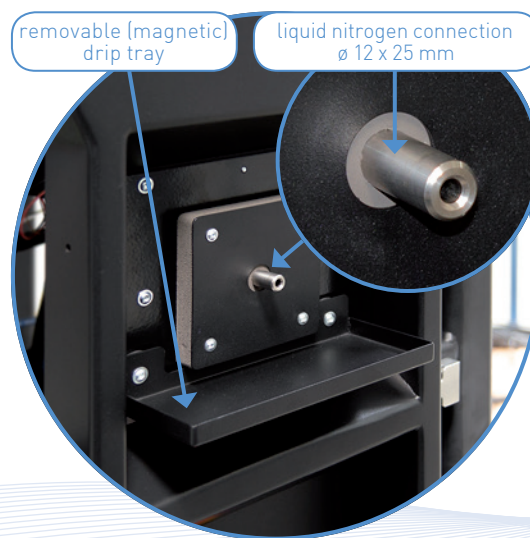
	technical specifications	comments / measurements
system dimensions (w x d x h)	1,140 mm x 1,740 mm x 1,930 mm (44.8" x 68.5" x 76")	
system weight	680 kg (1,500 lbs)	max. floor load: 200 kg (440 lbs) castors weight incl. crate: 950 kg (2,100 lbs)
facility requirements – electric	EU: 230 V / 13 A / 50 Hz one phase (CEE 7/7) * US: handler 120 V / 13 A / 60 Hz (Nema 5-15) chiller 120 V / 11 A / 60 Hz (Nema 5-15)	* cable included – in case a different plug is required, please contact esmo semicon handler works with US or EU power supply without having to change any settings – this does not apply to the chiller option though EU version without external power supply – US option with second power supply
facility requirements – pneumatic	compressed air, dry and oil-free, min. 6 bar (87 PSI) max. consumption: 40 NI/min hot test operations 170 NI/min LN2 cold test operations incl. chamber purge	40 NI/min for hot test 50 NI/min for cold test with electric chiller 80 NI/min for cold test with LN2 heat exchanger (50 to 80 NI/min depending on performance requirements) 90 NI/min chamber purge (only with cold test)
facility requirements – vacuum	200 mbar (2.9 PSI) (absolute value) *	* only applies to talos without vacuum generator option – in case a vacuum generator option has been installed, no external vacuum supply will be provided
facility requirements – LN2	1.5 bar (21.8 PSI) to 3 bar (43.5 PSI) typical consumption (steady state): 3 l/h peak consumption: 8.5 l/h	only applies to LN2 heat exchanger option in case LN2 support pressure requirements exceed 3 bar (43.5 PSI), please contact esmo semicon beforehand
handling materials	from min. 2.5 mm x 2.5 mm x 0.5 mm to max. 70 mm x 70 mm x 10 mm	
input/output interfaces	8 standard trays (low-/high-profile JEDEC trays) tube load/unload optional input/output/bin configurations optional	

talos

technical specifications



	technical specifications	comments / measurements
human/machine interface (HMI)	15.6" multi-touch panel with esmo-customized HMI	
tester interface	RS232 TCPIP GPIB optional	
x/y/z/theta handling system	4-axis portal plus extra contacting z-axis with thermal head	
handler parallelism	single-/dual-site contacting	in special cases a higher parallelism option may be possible – please contact esmo semicon for clarification
max. permanent contact force z1 "handling axis"	115 N (12 kgf)	
max. permanent contact force z2 "temperature axis"	450 N (46 kgf)	900 N (92 kgf) on request (optional)
index time (with pre-centering)	10 s	temperature change or soak time not included
thermal performance, junction temperature minimum	typically -40 °C (-40 °F) with electrical chiller option typically -60 °C (-76 °F) with LN2 heat exchanger option	depending on device and test setup
thermal performance, junction temperature maximum	typically +175 °C (+347 °F)	depending on device and test setup
thermal performance stability	±0.5 °C (±32.9 °F) long-time test (heatsink)	junction temperature accuracy depending on calibration and setup (optimum calibration stability = accuracy)
underlying standard	CE	
additional features	please refer to options matrix	



Please get in touch with us.

**esmo Germany
Rosenheim**

esmo AG
Brueckenstrasse 1
83022 Rosenheim
Germany

Phone +49 (8031) 233 88 0
Fax +49 (8031) 233 88 10
sales@esmo-ag.com

**esmo USA
Sacramento**

esmo USA Corp.
1020 Winding Creek Road
Suite #120
Roseville, California 95678
USA

Phone +1 (916) 307 6345
Fax +1 (916) 307 6341
sales@esmo-usa.com

**esmo Singapore
Singapore**

esmo Asia Pte. Ltd.
12 Tai Seng Link
#06 - 01
Singapore 534233
Singapore

Phone +65 (656) 288 57
Fax +65 (656) 288 60
sales@esmo-asia.com

**esmo China
Shanghai**

esmo Asia North Co. Ltd.
Building 2, No. 388 Xinrun Road
Xin Qiao Industrial Zone
Song Jiang District
201612 Shanghai
China

Phone +86 (21) 5768 7228 + ext. 216
Fax +86 (21) 5768 7132
info@esmo-ag.com.cn