

Don't Just Test it! HAST Test it!




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 Environmental Test Chambers
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Part A: Standard Test Chambers


Salt Spray Test Chamber

Model	Volume (L)	Tests	Salt Spray Settlement	Rated Power (KW)	Internal Size DxWxH (mm)	External Size DxWxH (mm)	Photo
HST-108-RY	108	NSS ASS CASS	1~2ml/80cm2.h	1.5 kw	450x600x400	780x1140x1050	
HST-270-RY	270			1.8 kw	600x900x500	960x1460x1150	
HST-412-RY	412			4.0 kw	750x1100x500	1100x1730x1240	
HST-663-RY	663			5.0 kw	850x1300x600	1230x2150x1410	
HST-816-RY	816			6.0 kw	850x1600x600	1230x2450x1460	
HST-1080-RY	1080			6.5 kw	900x1800x600	1280x2850x1460	


Temperature Test Chamber

Model	Volume (L)	Temperature Range (°C)	Uniformity/ Fluctuation	Rated Power (KW)	Internal Size DxWxH (mm)	External Size DxWxH (mm)	Photo
HST-101A-LJ	101	A: -20 ~ 150°C B: -40 ~ 150°C C: -60 ~ 150°C D: -70 ~ 150°C E: Customized	±0.5°C/ ≤2°C	3.5kw	450x450x500	1080x980x1620	
HST-225A-LJ	225			5.0kw	500x600x750	1130x1130x1870	
HST-504A-LJ	504			6.8kw	700x800x900	1330x1180x2060	
HST-800A-LJ	800			9.5kw	800x1000x1000	1280x1540x2160	
HST-1000A-LJ	1000			10.5kw	1000x1000x1000	1540x1490x2160	

Temperature Humidity Test Chamber


Model	Volume (L)	Temperature Range (°C)	Humidity Range (%RH)	Rated Power (KW)	Internal Size DxWxH (mm)	External Size DxWxH (mm)	Photo
HST-101A-LJS	101	A: -20 ~ 150°C B: -40 ~ 150°C C: -60 ~ 150°C D: -70 ~ 150°C E: Customized	30 ~ 98%RH 20 ~ 98%RH 10 ~ 98%RH Other Options	5.5kw	450x450x500	1160x1000x1610	
HST-225A-LJS	225			6.0kw	500x600x750	1210x1150x1870	
HST-504A-LJS	504			9.0kw	700x800x900	1420x1340x2070	
HST-800A-LJS	800			11.5kw	800x1000x1000	1370x1550x2170	
HST-1000A-LJS	1000			12.5kw	1000x1000x1000	1560x1550x2170	

Bench-Top Temperature Humidity Test Chamber

Model	Volume (L)	Temperature Range (°C)	Humidity Range (%RH)	Rated Power (KW)	Internal Size DxWxH (mm)	External Size DxWxH (mm)	Photo
HST-70A-ES	70	A: -20 ~ 150°C B: -40 ~ 150°C	30 ~ 98%RH 20 ~ 98%RH	2.5kw	350 x 400 x 500	880 x 1085 x 940	

INQUIRE ABOUT OTHER OPTIONS FOR BENCH TOP CHAMBERS




Temperature Fast Ramp Chamber




Model	Volume (L)	Temperature Range (°C)	Temp Fluctuation	Ramp Rate	Internal Size DxWxH (mm)	External Size DxWxH (mm)	Photo
HST-101A-LK	101	A: -20 ~ 150°C B: -40 ~ 150°C C: -60 ~ 150°C D: -70 ~ 150°C E: Customized	±0.5°C	15°C/min (non-linear)	450x450x500	1160x1000x1610	
HST-225A-LK	225				500x600x750	1210x1150x1870	
HST-504A-LK	504				700x800x900	1260x1340x2070	
HST-800A-LK	800				800x1000x1000	1370x1550x2170	
HST-1000A-LK	1000				1000x1000x1000	1560x1550x2170	




Note: 15°C~ 20°C/minute Air-Cooled. Requires only AC power to operate

Water-cooled Option is available.


LN2 Boost option available to increase ramp rates ≥ 20°C/min

Ultra-High Temperature Chamber							
Model	Volume (L)	Temperature Range (°C)	Temp Fluctuation	Ramp Rate	Internal Size DxWxH (mm)	External Size DxWxH (mm)	Photo
HST-101-LG	101	RT + 10°C ~ 500°C	±1°C (100°C) ±2°C (200°C) ±4°C (300°C) ±8°C (400°C)	1~3°C/min (nonlinear)	450x450x500	1160x1000x1610	
HST-225-LG	225				500x600x750	1210x1150x1870	
HST-504-LG	504				700x800x900	1260x1340x2070	
HST-800-LG	800				800x1000x1000	1370x1550x2170	
HST-1000-LG	1000				1000x1000x1000	1560x1550x2170	
Ultra-Low Temperature Test Chamber (Using LN2)							
Model	Volume (L)	Temperature Range (°C)	Temp Fluctuation	Ramp Rate	Internal Size DxWxH (mm)	External Size DxWxH (mm)	Photo
HST-101F-YD	101	-196°C ~ RT	≤±2°C	≥3°C/min (nonlinear)	450x450x500	1100x900x1350	
HST-225F-YD	225				500x600x750	1150x1100x1600	
HST-504F-YD	504				700x800x900	1350x1300x1750	
HST-800F-YD	800				800x1000x1000	1450x1500x1850	
HST-1000F-YD	1000				1000x1000x1000	1450x1500x1850	
Thermal Shock Test Chamber (Two-zone Type)							
Model	Volume(L)	Temperature in Lower Chamber	Temperature in Upper Chamber	Shock Temperature	Internal Size DxWxH (mm)	External Size DxWxH (mm)	Photo
HST-100A-LV	100	-70°C ~ RT	50°C ~ 180°C	A: - 40°C~+150°C B: - 55°C~+150°C C: - 65°C~+150°C	450x450x500	1700x930x1650	
HST-150A-LV	150				500x600x500	1800x1080x1650	
HST-234A-LV	234				600x600x650	1950x1080x1950	
HST-512A-LV	512				1000x900x550	2650x1450x2250	
HST-753A-LV	753				1300x1050x550	3130x1620x2250	
HST-1000A-LV	1000				1390x1200x600	3300x1780x2250	


Thermal Shock Test Chamber (Three-zone Type)							
Model	Volume (L)	Temperature in Cooling zone	Temperature in Heating zone	Ramp Rates	Internal Size DxWxH (mm)	External Size DxWxH (mm)	Photo
HST-100A-LW	100	-70°C ~ +10°C	+60°C ~ 200°C	RT~+150°C ≤25min RT~ -55°C ≤45min	450x450x500	1600x1480x2000	
HST-150A-LW	150				500x600x500	1650x1580x2100	
HST-234A-LW	234				600x600x650	2300x1100x1950	
HST-512A-LW	512				1000x900x550	2650x2050x2250	
HST-753A-LW	753				1300x1050x550	3100x2200x2250	
HST-1000A-LW	1000				1390x1200x600	3400x2400x2300	
Low Pressure Temperature Chamber							
Model	Volume (L)	Temperature Range (°C)	Temp Fluctuation	Pressure Range	Internal Size DxWxH (mm)	External Size DxWxH (mm)	Photo
HST-101A-LF	101	A: -20 ~ 150°C B: -40 ~ 150°C C: -60 ~ 150°C E: Customized	±0.5°C	Atmospheric ~0.5kPa	450x450x500	1160x1000x1610	
HST-225A-LF	225				500x600x750	1210x1150x1870	
HST-504A-LF	504				700x800x900	1260x1340x2070	
HST-800A-LF	800				800x1000x1000	1370x1550x2170	
HST-100A0-LF	1000				1000x1000x1000	1560x1550x2170	
UV Light Aging Accelerating Test Chamber							
Model	Volume (L)	Temperature Range (°C)	Hum Range (%RH)	UV Wavelength (nm)	Internal Size DxWxH (mm)	External Size DxWxH (mm)	Photo
HST-NZY	260 L	RT +10°C~70°C	≥95%RH	290~400	450x1170x500	680x1420x1510	
HST-S-NGF	600x1270 mm	60°C (Specimen surface temperature)	None	280~320 300~340 or other options	600x1270	750x1880x800	
HST-B-NGF	1820x1000 mm	60°C (Specimen surface temperature)	None	280~320 300~340 or other options	1820x1000	1400x2500x1500	


Xenon Lamp Test Chamber (Air cooled)												
Model	Volume (L)	Temperature Range (°C)	Hum Range (%RH)	Radiation	Power/ Controlled Wavelength	Internal Size/ Effective Area	External Size DxWxH (mm)	Photo				
						DxWxH (mm)						
HSTS-XDF-190	190	RT +10°C~70°C	30 ~ 95%RH	340nm 0.3-0.55 W/m ²	12kW	500 x 760 x 500	1250x1140x1760					
				420nm 1.0-1.5 W/m ²	340 nm 420 nm	450 x 700						
HSTS-XDF-275	275			340nm 0.3-0.55 W/m ²	18kW	550 x 1000 x 500	1110x1420x1800					
									420nm 1.0-1.5 W/m ²	340 nm 420 nm	500 x 950	
Q-lab - Air cooled Lamp/s												
All specifications & features can be customized per customer requirements, including size, temperature/hum range, ramp rate, etc.												
Xenon Lamp Test Chamber (Water cooled)												
Model	Volume (L)	Temperature Range (°C)	Hum Range (%RH)	Radiation	Power/ Controlled Wavelength	Internal Size/ Effective Area	External Size DxWxH (mm)	Photo				
						DxWxH (mm)						
HSTS-XDS-512	512	RT +10°C~70°C	30 ~ 95%RH	0.5-0.6 W/m ²	15kW	800 x 800 x 800	1400x1350x2030					
					300 nm 340 nm	80 x 100						
ATLAS - Water Cooled Lamp/s												
All specifications & features can be customized per customer requirements, including size, temperature/hum range, ramp rate, etc.												
Super UV Tester												
Model	Volume (L)	Temperature Range (°C)	Hum Range (%RH)	Radiation	Power/ Controlled Wavelength	Internal Size/ Effective Area	External Size DxWxH (mm)	Photo				
						DxWxH (mm)						
HSTS-SUV-161	161	50°C ~ 85°C	40 ~ 70%RH	150 mW/m ²	15kW	400 x 700 x 450	1200x1400x1800					
					295 nm 450 nm	190 x 420						
ATLAS or equivalent- Water Cooled Lamp/s												
All specifications & features can be customized per customer requirements, including size, temperature/hum range, ramp rate, etc.												


High Temperature Humidity UV Aging Test Chamber


Model	Effective Radiation Area (mm)	Temperature Range (°C)	Hum Range (%RH)	Power	Controlled Wavelength	Radiation	External Size DxWxH (mm)	Photo
HSTS-UV -TH01	600 x 600	RT +10°C~100°C	30 ~ 95%RH	9KW	UVB UVA+B	<250 W/m ²	1380xW930x2150	
HSTS-UV -TH02	1000 x 1000			15KW			2450x1500x2660	
HSTS-UV -TH04	2000 x 1000			24KW			3000x2300x2600	
HSTS-UV -TH06	2650 x 1350			29KW			3600x2650x2600	
HSTS-UV -TH08	2400 x 2300			40KW			4250x2800x2600	
ATLAS or equivalent- Metal Halide Lamp/s								

Ozone Aging Chamber

Model	Volume (L)	Temperature Range (°C)	Hum Range (%RH)	Ozone Concentration	Internal Size DxWxH (mm)	External Size DxWxH (mm)	Photo
HST-101-NO3	101	0°C ~ 70°C adjustable	40%~95%RH	50~1000 pphm 50~300 ppm	450x450x500	1160x1000x1800	
HST-225-NO3	225				500x600x750	1220x1150x2040	
HST-504-NO3	504				700x800x900	1520x1250x2180	
HST-800-NO3	800				800x1000x1000	1520x1540x2300	
HST-1000-NO3	1000				1000x1000x1000	1720x1540x2300	


Drug Stability Test Chamber							
Model	Volume (L)	Temperature Range (°C)	Hum Range (%RH)	Illumination Density	Internal Size DxWxH (mm)	External Size DxWxH (mm)	Photo
HST-150SD	150	0°C~65°C (no illumination)	40%~95%RH	/	600x405x620	800x910x1630	
HST-250SD	250				680x500x730	880x1010x1740	
HST-500SD	504				800x700x900	1000x1210x1900	
HST-150GSP	150	0°C~65°C (with illumination) 40W/ea. x Qty 8	40%~95%RH	1~6000 LX adjustable	600x405x620	800x910x1630	
HST-250GSP	250				680x500x730	880x1010x1740	
HST-500GSP	504				800x700x900	1000x1210x1900	

Settling Dust/Sand Test Chamber							
Model	Volume (L)	Wire/ Line	Powder Amount	Air Circulation	Internal Size DxWxH (mm)	External Size DxWxH (mm)	Photo
HST-512-PS	512	Wire diameter 50um Line spacing 75um	2kg~4kg/m ³	≤2 m/s 10~15 m/s or per requirement	800x800x800	1280x1260x1770	
HST-800-PS	800				800x1000x1000	1280x1460x1970	
HST-1000-PS	1000				1000x1000x1000	1480x1460x1970	
HST-1000-PS	1500				1000x1500x1000	1540x1960x2100	


Blowing Dust & Sand Test Chamber	
Model	Basic Specifications
	<ol style="list-style-type: none"> 1. Test Area: 600D x 600W x 600H mm 2. External Size: 4250D x 2200W x 2150H mm 3. Test: Blowing Sand/Dust 4. Max Speed: 29 m/s (or customized) 5. Temperature function: Yes 6. Humidity function: Yes Can be designed to meet Mil-Std, IEC, etc.






All specifications & features can be customized per customer requirements, including size, temperature/hum range, ramp rate, etc.

IPX1-IPX2-IPX3-IPX4-IPX5-X6 Rain Test Chamber


Model	Volume (L)	For Level	Nozzle Diameter	Basic Specs	Internal Size DxWxH (mm)	External Size DxWxH (mm)	Photo
HST-855-PL	855L	IPX1 - X2	0.4 mm	Water drops 1-3 mm/min	950x1000x900	1280x1440x1870	
HST-2551-PL	2551L	IPX3 - X4	0.4 mm	Spray from ±45°, 60°, 135°, 150°, 175° 80~100kpa			1350x1400x1350
		IPX5 - X6	0.4 mm	Water pressure 30 Kpa 100±5 L/min			

Water Condensation Test Chamber

Model	Volume (L)	Temperature Range (°C)	Hum Range (%RH)	Ramp Rate	Internal Size DxWxH (mm)	External Dimension DxWxH (mm)	Photo
HST-101-LN	101	25°C ~ 45°C	100%RH	≤90min for heating up to 40°C	450x450x500	650x950x1500	
HST-225-LN	225				500x600x750	700x1100x1550	
HST-500-LN	504				700x800x900	900x1300x1600	
HST-800-LN	800				800x1000x1000	1000x1500x1700	
HST-1000-LN	1000				1000x1000x1000	1200x1500x1700	


Sulfur Dioxide Test Chamber							
Model	Volume (L)	Temperature Range (°C)	Hum Range (%RH)	Source of Gas	Internal Size DxWxH (mm)	External Size DxWxH (mm)	Photo
HST-297-RSO2	297	RT+10°C~50°C	85%~95%RH	Air Cylinder Method	600x500x900	850x900x1200	
HST-605-RSO2	605				850x750x950	1000x1100x1250	
HST-900-RSO2	900				1000x900x1000	1300x1250x1300	
Precise Drying Test Chamber							
Model	Volume (L)	Temperature Range (°C)			Internal Size DxWxH (mm)	External Size DxWxH (mm)	Photo
DHG-9055A	50	Room Temperature +10C to 300C			420x340x350	710x590x520	
DHG-9075A	80				450*400*450	740*618*630	
DHG-9145A	116				550x385x550	840x640x730	
DHG-9245A	225				600x500x750	885x780x940	
Part B: Non-standard Customized Test Chambers							
Walk-in Temperature Climatic Chamber							
Model	Volume (L)	Temperature Range (°C)	Ramp Rate	Windows	Internal Size DxWxH (mm)	External Dimension DxWxH (mm)	Photo
HST-28m3-LJ	28 m3	-40~110°C	0.9°C/min	Defrosting/ Lighted	5000x2700x2100	5900x5300x2960	
							
<p>Note: Above specifications are for reference ONLY. All specifications & features can be customized per customer requirements, including size, temperature/hum range, ramp rate, etc.</p>							

Temperature-Humidity-Vibration Test Chamber

Picture Basic Specs	Temperature	Vibration	Humidity
	1. Range: -40°C~150°C 2. Temp fluctuation: ±0.5°C 3. Interior Dimensions: (mm) a. 900D x 900W x 800H b. 1100D x 2650W x 1940H	1. Vibration table size: 445 mm (dia.) 2. Sine propulsion: 49kN (5000kgf) Thermal propulsion: 98kN (10000kgf) 3. Max acceleration: 980m/s 4. Max loading: 100kg 5. Max speed: 2m/s 6. Max shift: 51mm p-p 7. Frequency range: 5~2700 Hz	1. Range: 25~98%R.H 2. Fluctuation: ±2%R.H

All specifications & features can be customized per customer requirements, including size, temperature/hum range, ramp rate, etc.

Salt Spray Cyclic-Corrosion Chamber (Salt Fog + Temperature + Humidity + Dry)

Picture	Basic Specs
	Functions: Salt spray, Temperature, Humidity, Dry Controller: Programmable, Color, Touch-screen Internal Size: 1000D x 1000W x 1000H mm

All specifications & features can be customized per customer requirements, including size, temperature/hum range, ramp rate, etc.

Solar (PV) Test Chamber

Model	Temperature Range C	Humidity Range %RH	Internal Size DxWxH (mm)	External Dimension DxWxH (mm)	From Desk Top to Large Walk-In sizes
HST-3770C-PV-LJS	-40C to 100C	20 ~ 95%RH	2540 x 1219 x 1219	4840 x 1420 x 1879	

Sample Specifications		
Damp Heat (85C/85%RH) - DH		
Thermal Cycling (-40C ~ +85C) - TC		
Humidity Freeze (-40C ~ +85C & 84C//85%RH) - HF		

All specifications & features can be customized per customer requirements, including size, temperature/hum range, ramp rate, etc.

Part C: Special Applications Customized Test Chambers

AUTOMOTIVE

Photos for reference Only



Customized designs with Temperature, Humidity, Wind, Rain, Salt Spray, Dyno, etc.

Model	Temperature Range (C)	Humidity Range (%RH)	Interior Size DxWxH (mm)	Exterior Size (mm) DxWxH	Wind Speed
HST-170M3-LJS-B	-40°C~+45°C	40% ~ 98% RH	10000 x 4880 x 3500	10950 x 5180 x 3880	35 mph

All specifications & features can be customized per customer requirements, including size, temperature/hum range, ramp rate, etc.


BATTERY TEST CHAMBERS

Model	Temperature Range (C)	Condenser	Interior Size DxWxH (mm)	Exterior Size (mm) DxWxH	Photo
HST-504B-DT	-40°C~+130°C	Air-Cooled	700 x 800 x 900	1260 x 1340 x 2070	
HST-3000B-DT			2000 x 1500 x 1000	2560 x 2050 x 2170	
Inquire about available ramp rates		Temperature Sensor	LN-2 Control	Heater	
Includes the following special features		Fire/High Heat	Senses fire/brings in LN2	Sheathed	
		Explosion Sense	Access Ports (2)	Other	
		Blow off port/Valve	100 mm	TBD	


All specifications & features can be customized per customer requirements, including size, temperature/hum range, ramp rate, etc.

Part B: Standard/Non-standard RELIABILITY Test Chambers


ESS CHAMBERS (ESS)

Model	Temperature Range (C)	LN-2 Controlled (Ramp rate)	Interior Size DxWxH (mm)	Exterior Size (mm) DxWxH	Photo
HST-1000D-LK-10LN2	-70°C~+180°C	10°C /min	1117 x 1016 x 915	1677 x 1566 x 2085	
HST-1000D-LK-10LN2			1000 x 1000 x 1000	1200 x 1500 x 1700	
HST-7000D-(2L)-LKS		1 ~ 5°C /min	2600 x 1800 x 1500	4910 x 2000 x 2100	
Walk-In Chamber					


TEMPERATURE CYCLING (TC)

Model	Volume (L)	Temperature Range (C)	Ramp Rate °C/min	Interior Size DxWxH (mm)	Exterior Size (mm) DxWxH	Photo
HST-101XX-LK	100	B: -40 ~ 150°C D: -70 ~ 150°C E: Customized	5°C 10°C 15°C 20°C	450x450x500	780x1140x1050	
HST-504XX-LK	500			700x800x900	780x1140x1050	
HST-1000XX-LK	1000			450x450x500	1540x1490x2160	
All specifications & features can be customized per customer requirements, including size, temperature range, ramp rate, etc.						


85C/85%RH (THB) - Temperature-Humidity

Model	Volume (L)	Temperature (C)	Humidity (%RH)	Interior Size DxWxH (mm)	Exterior Size (mm) DxWxH	Photo
HST-101XX-LJS	100	85°C	85%RH	450x450x500	780x1140x1050	
HST-504XX-LJS	500			700x800x900	1330x1180x2060	
HST-1000XX-LJS	1000			1000x1000x1000	1540x1490x2160	
All specifications & features can be customized per customer requirements, including size, temperature range, ramp rate, etc.						


HTOL-High Temperature Operating Life - (STATIC & DYNAMIC)

Model	Volume (L)	Temperature (C)	Interior Size DxWxH (mm)	Exterior Size (mm) DxWxH	Photo
HST-225-LG	225	125°C/150°C	500x600x750	1400x980x1370	
HST-504-LG	500		700x800x900	1330x1180x2060	
HST-1000-LG	1000		1000x1000x1000	1540x1490x2160	
All specifications & features can be customized per customer requirements, including size, temperature range, ramp rate, etc.					


LTOL - Low Temperature Operating Life - (STATIC & DYNAMIC)

Model	Volume (L)	Temperature (C)	Interior Size DxWxH (mm)	Exterior Size DxWxH (mm)	Photo
HST-225-xx	225	: -40°C/-70°C	500x600x750	1400x980x1370	
HST-504-xx	504		700x800x900	1330x1180x2060	
HST-1000-xx	1000		1000x1000x1000	1540x1490x2160	
All specifications & features can be customized per customer requirements, including size, temperature range, ramp rate, etc.					

Extreme Low Temperature (With LN2)

Model	Volume (L)	Temperature Range (C)	Interior Size DxWxH (mm)	Exterior Size DxWxH (mm)	Photo
HST-50D-YD-LJ	50	-180°C to +180 °C	350 x 400 x 400mm	1180 x 770 x 1630 mm	
All specifications & features can be customized per customer requirements, including size, temperature range, ramp rate, etc.					

High Temperature Storage - HTS

Model	Volume (L)	Temperature Range (C)	Interior Size DxWxH (mm)	Exterior Size DxWxH (mm)	Photo
HST-225-xx	225	125°C/150°C	500x600x750	1400x980x1370	
HST-504-xx	504		700x800x900	1330x1180x2060	
HST-1000-xx	1000		1000x1000x1000	1850x1380x1670	
All specifications & features can be customized per customer requirements, including size, temperature range, ramp rate, etc.					