

ULTRA THERMO SCIENTIFIC
New No. 19, Old No. 3A, Manimegalai Street,
East Tambaram, Chennai 600059.
Phone : +919841025507, +9840936363
Email : ultrathermoscientific@gmail.com

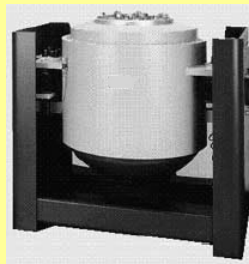
The Complete Environmental Testing Services

Thermal and Environment Simulation

- Hot Chamber
- Cold Chamber
- Humidity Chamber
- Cyclic Chamber
- Climatic Chamber
- Environmental Chamber
- Walk in Chamber
- Thermal Shock



Vibration Simulation



Vibration Simulation

- Resonance Search
- Fixed Frequency Sine Vibration
- Sweep Sine Vibration
- Random Vibration

Combined Environmental Simulation





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Environmental Testing

We promote UFSL, a reputed private R&D House with ISO/TS 16949:2002- Quality management systems, to provide Environmental testing services for Automotive, Electronics and Defence industries.

UTS is a Environmental Test Rig manufacturer and is in the Environmental Testing Field for more than a Decade. Environmental testing through UTS can take your products to their operating limits to see how they will perform once exposed to real life functional extremes.

UTS provides comprehensive independent environmental testing services to industry, individually tailoring client's environmental requirements to assist product development and verification programmes. UTS can perform confidence testing or full qualification tests on manufactured products. This testing supplies results that will provide your product with the competitive edge.

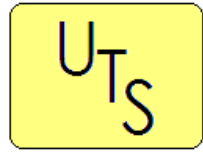
Typical environmental tests include:

- Vibration
- Climatic cycling (Hot, Cold, Humidity)
- Combined Environmental Test (Vibration / Hot,Cold,Humidity)
- Thermal shock
- Corrosion resistance

All products whether industrial, domestic or military are susceptible to stress inflicted on them by the environment in which they operate. Before placement on the market it is essential you know how your products will perform under these conditions. Field failures and product recalls can have a devastating effect on new product launches.

We can evaluate prototypes, reducing the risk of field failures when the product is launched. We can stimulate the conditions of the product usage and transportation, plus we can provide advice on failure trend analysis to aid product refinement.

Please call us to discuss about your Test Requirements and Costing



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Environmental Simulation

Our lab has facilities to meet the environmental testing requirements of Automotive, commercial and military specifications including, but not limited to:

- MIL-STD
- JIS
- IS
- ASTM
- NEMA
- IEC

Although much of our equipment is designed to meet the requirements of internationally accepted specifications, we combine technologies to meet many custom requirement.

Climatic Test /Environment Test Chambers-05 Nos.

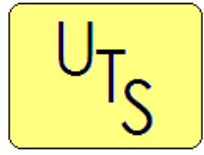
High and Low Temperature

Extreme temperatures are the leading cause of failure in almost all types of equipment. Our computer controlled chambers can produce constant or cyclic temperatures ranging from -65degC to 180degC. Multiple chambers are available for humidity profiles up to 95% RH at low and high temperatures



Product Features

Internal Volume	125Ltrs to 750Ltrs
Temperature	-65degC to
Range	180degC
Temperature	2degC to 5degC
Ramp	
Humidity Range	20% to 98% RH
Access Port Holes	Available



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Walk in Test Chamber – 1 No.



Product Features

Internal Dimensions	5.5FT(H) X 10FT(D) X 5.5FT (W)
Temperature Range	-10degC to 90degC
Port Holes	Available

Thermal Shock Test Chambers – 2 Nos



Product Features

Environment Simulation	Hot Zone : Ambient to 200degC Cold Zone : Ambient to -60degC
Basket Size	500X500X500, 150mmX150mm
LN2 Purging	Available

Vibrator Integratable / Agree Test Chamber – 2 Nos



Product Specification

Volume	210Ltrs, 425Ltrs
Temp. Range	-65degC to 180degC
Humidity Range	20% to 98% RH
Port Holes	Available
Vibration	Sine, Random (1000Kgf Peak)

Salt Spray Chamber – 1 No.



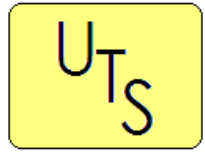
Salt fog is a specialized test used to evaluate the resistance to corrosion of paints, coatings, and metal structures as well as effects on electrical systems. Our chamber provides exposure to a salt intensive atmosphere at temperatures matching the proper specification. Other corrosive elements may be used for further corrosion testing.

Electrodynamic Vibration Shaker System – 3 Nos.



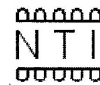
Product Specification

Force Rating	600Kgf, 1000Kgf, 1500Kgf
Vibration	4 Channel Sine, Random
Controller	Vibration Controller
Accelerometers	PCB – 8 Nos. PCB Miniature – 1 No. Dytran Miniatura – 1 No.



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REFERENCE CUSTOMERS



Indrad Auto Components
 (A Division of Lucas - TVS Limited)



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 ENGINEERING
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