



HASTEST

SOLUTIONS

How to Select a HAST Chamber

Part I

When you are looking for a HAST Chamber keep two key aspects in mind:

- ▶ **A HAST CHAMBER is a Precision Scientific Instrument** – It is NOT a run-of-the-mill Temperature and Humidity Chamber. It is a piece of testing equipment required to perform Highly Accelerated Stress Test under very precise set conditions of Temperature & Humidity under Pressure.
- ▶ **NOT ALL HAST CHAMBERS ARE CREATED EQUAL**

Anyone looking for a HAST CHAMBER should keep these two key points in mind. If not, they will face the same problems as those who did not consider the above are facing today.

Every HAST CHAMBER manufacturers' specifications appear to meet JEDEC and the JIS standards but in practice may not. Unfortunately, most test engineers do not discover these short comings until it's too late. Understandably, no one wants to admit a big mistake in the purchase of a fairly expensive piece of capital equipment so the inaccurate testing just continues, undercover.



For a Part II and Part III of
"How to Select a HAST Chamber"
please contact
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A truly objective and informed HAST Chamber Manufacturer MUST:

- ▶ Guarantee the results and performance of a HAST Chamber over long periods of testing and time. Means: Non-Condensing
- ▶ Atmosphere & absolutely No Rain....These two factors are enough to create Leakage paths leading to erroneous failure conditions.
- ▶ Explain why moving air with a fan in a HAST environment is an unnecessary complication and can be detrimental to the test. Fans create hot spots and inconsistent atmospheric conditions. These air circulating units also require continuous costly replacements.
- ▶ Guarantee that the Chamber will not leak water onto the lab floor.
- ▶ Make clear if superior dual-chamber technology, a proven method for over forty years, is offered in the design of the HAST CHAMBER.
- ▶ Inform if certain costly key parts/components in the HAST CHAMBER must be replaced frequently and why.
- ▶ Admit that a larger chamber may be less accurate than the standard size.
- ▶ Clarify why or why not the wet-bulb, dry-bulb is required in a HAST CHAMBER. Inform the customer if frequent service calls are required to maintain it's HAST CHAMBER.
- ▶ Inform the customer that ONLY one company in the world has the patents and rights on this UNIQUE DUAL CHAMBER technology for a HAST CHAMBER.
- ▶ Enlighten the customer that there is only ONE company in the world that will provide long term parts and labor warranty for a HAST CHAMBER at almost no cost or very minimal costs to them.
- ▶ Notify the customer that there is ONLY one company in the world that has its previous five generations of HAST CHAMBERS still in operation through out the world – A span of OVER THREE DECADES.

Just because a manufacturer makes good Temperature and Humidity Chambers, is not a justification that the same manufacturer can make good precise HAST CHAMBERS. Same goes for aesthetics. A pretty paint job does not necessarily mean better technical and or improved performance. Not by a long shot. One cannot compare apples to oranges. ■



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Hastest Solutions has built a reputation for providing testing chambers with a degree of sophistication, reliability and operational safety that very few can match, in the area of photovoltaic (SOLAR) products as well as a whole host of products for a wide spectrum of global industries such as Semiconductors, Automotive, Glass, Ceramics, Paints, Aerospace, Military & Defense, Wood, Plastics, Rubber, Batteries, MEMS, Paper, Biotech & Medical, etc...

Hastest Solutions is the fastest growing provider of high quality solutions in the field of reliability testing. The company is committed to providing solutions that are accurate, impartial and that empower quality conscious manufacturers with an edge over their competitors. Hastest Solutions is founded by technically qualified individuals with rich experience in the niche' of Highly Accelerated Testing Products and Material.