

CELEBRATING INDEPENDENCE DAY WITH COMMITMENT TO EXCELLENCE

ENVITEST LABORATORIES PRIVATE LIMITED

Independence and Innovation: Striving for Excellence



Independence Day is a powerful reminder of the profound passion, determination, and sacrifices made by countless freedom fighters to liberate India from centuries of imperial rule. This day symbolizes the culmination of efforts, bravery, and resolve that led to the independence of our coun-

try. It is a moment that instills in every Indian a deep sense of responsibility to honor by striving for excellence and reaching new heights in our respective fields.

India has witnessed remarkable growth across various sectors, reflecting the nation's ability to innovate, adapt, and excel. One of the areas where this growth is most evident is in product design and manufacturing. India has emerged as a hub for high-quality production, driven by technological advancements and a commitment to excellence. Envitest Lab is on its journey to become a leader in product testing and certification. Our mission is to uphold the highest standards of quality, reliability, and

customer confidence. Through rigorous testing services, Envitest Lab ensures that products meet stringent quality and safety benchmarks, playing a crucial role in safeguarding the integrity and excellence of products that impact our daily lives.

Envitest Lab reaffirms its commitment to progress and innovation. We are continually investing in facilities, upgrading existing infrastructure, and enhancing our capabilities to deliver precise and dependable results. Our journey is guided by the values of dedication, integrity, and a relentless pursuit of quality. We keep continuous process to remain in our commitment to these principles.

Special points of interest:

- **Successfully completed** 1,000 cycles of ice water splash testing in accordance with ISO 16750 standards, ensuring the product's durability and resilience under extreme conditions.
- **Achieved 72 hours** of combined thermal and vibration testing, demonstrating the product's capability to withstand simultaneous environmental stressors.
- **A great sense of relief** and accomplishment comes from delivering the program on time, leaving our customer satisfied and with a smile on their face.

Upholding the Legacy of Innovation

As we celebrate our independence, Envitest Lab is committed to marching forward by continually investing in new facilities, upgrading existing ones, and ensuring that we deliver accurate and reliable results to our customers. We understand that the road to excellence is paved with dedica-

tion and innovation, and we are steadfast in our commitment to upholding these values. Independence Day serves as a reminder not only of the freedom we enjoy but also of the duty we have to contribute positively to our nation's progress. Envitest Lab remains dedicated to playing its part in this

ongoing journey of growth and excellence, honouring the legacy of our freedom fighters by delivering unparalleled quality and reliability in every test we conduct. Envitest Lab is dedicated to playing our part in this journey of growth and development and we remain committed to playing its part in this

Inside this issue:

The Importance of Cost	2
Understanding the Cost	2
Envitest Lab's Approach	2
Three New Additions to	3
Solar Test Chamber for	3
Envitest Lab's Commit-	3
About Envitest Lab	4



The Importance of Cost of Quality (COQ) in Ensuring Product Excellence



One of the beautiful test setups running with multimode configuration is helping to identify potential product performance at Envitest Lab.

Investing in quality upfront not only saves costs in the long run but also builds a reputation for excellence. With Envitest Lab, you can be confident that your products are tested to the highest standards, ensuring success in the market.

Ensuring product quality is not just a matter of maintaining a company's reputation; it's about optimizing costs and maximizing efficiency. Envitest Lab helps clients minimize costs. Our rigorous testing and quality assurance processes mean that products are more likely to meet customer expectations from the outset. This not only reduces the costs associated with defects and rework but also enhances

customer satisfaction and brand loyalty.

Furthermore, by identifying potential issues early, we help our clients avoid the costly consequences of failures, such as product recalls, warranty claims, and damage to brand reputation. Envitest Lab's approach is not just about cost savings; it's about protecting and enhancing our clients' brands.

The Cost of Quality is a

powerful tool for managing product quality and optimizing costs. Envitest Lab helps clients minimize costs, ensuring that their products meet the highest quality standards. Our rigorous testing, comprehensive quality planning, and commitment to continuous improvement make us a trusted partner for companies looking to enhance their product quality and protect their brand.

Understanding the Cost of Quality (COQ)

The Cost of Quality is categorized into three types:

Prevention Costs: These are the costs incurred to prevent defects from occurring in the first place. Prevention costs are proactive and include activities such as rigorous testing, training, quality planning, and process control. The goal is to identify potential issues before they result in defects.

Appraisal Costs: These costs are related to evaluating and inspecting products to ensure they meet the quality standards and certification and regulatory requirements. This includes testing, inspection, and audits. Appraisal costs help catch defects before the product reaches the customer.

Failure Costs: These are the costs associated with

defective products. They can be further divided into internal failure costs, which occur before the product is delivered (e.g., rework), and external failure costs, which occur after the product has been delivered to the customer (e.g., returns, repairs, warranty claims). Failure costs are often the most expensive and damaging to a company's reputation.

Envitest Lab's Approach to COQ: Focus on Prevention



At Envitest Lab, we know that prevention is key in managing overall quality costs. We focus on prevention to reduce both appraisal and failure costs. Here's how we achieve this:

Rigorous Testing: Envitest Lab is committed to conducting thorough and rigorous testing of products to ensure they meet the highest quality stand-

ards.

Quality Planning: We work closely with our clients to develop comprehensive quality plans that address every aspect of the product lifecycle.

Continuous Improvement: Envitest Lab adopts a continuous improvement approach, regularly reviewing and refining our testing processes. With

modern testing methodologies and technologies, we offer our clients the best possible service.

Training and Education: We believe that a well-trained team is essential to preventing defects. We invest in ongoing training and education for our staff to ensure they are knowledgeable about the latest quality standards and testing techniques.

Three New Additions to Our Testing Capabilities

The new additions enable Envitest Lab to offer even more comprehensive and cutting-edge testing services, helping our clients to bring the highest quality products to market.

1. Combined Thermal and Vibration Machine: This state-of-the-art machine allows us to simulate extreme environmental conditions by combining thermal cycling and vibration testing. It ensures that products can withstand

both temperature fluctuations and mechanical stress simultaneously, enhancing the reliability and robustness of the products we test.

2. Ice Water Splash Machine: Designed to replicate harsh environmental scenarios, this machine subjects products to sudden exposure to ice-cold water splashes. This rigorous testing process is essential for evaluating the water ingress protection of products, ensuring they

can operate efficiently and without damage in challenging, moisture-prone environments.

3. Solar Test Chamber: Our new solar test chamber is equipped to simulate the intense solar radiation and UV exposure that products may face in real-world outdoor conditions. By testing products under these conditions, we can ensure their durability, performance, and longevity even under prolonged exposure to sunlight.

Solar Test Chamber for MIL and JSS STD

Envitest Lab is proud to announce the addition of a solar test chamber to our suite of testing facilities. This new equipment enables us to conduct solar radiation testing in compliance with MIL-STD 810, JSS 55555 and many more defence and aerospace standards, further enhancing our ability to serve industries that require rig-

orous environmental testing. Our solar test chamber is designed to simulate a wide range of solar radiation conditions, providing precise and reliable testing capabilities.

By offering solar radiation testing, Envitest Lab helps clients ensure products meet the highest standards of quality and reliability. Our expanded capabilities

mean that clients can now fully assess the durability, safety, and longevity of their products under challenging environmental conditions, ensuring compliance with industry standards and improving overall product performance. With the addition of the solar test chamber, Envitest Lab continues to lead the testing solutions.

Envitest Lab's Commitment to Upholding Impartiality and Confidentiality

ISO/IEC 17025:2017 is the international standard that outlines the general requirements for the competence, impartiality, and consistent operation of laboratories. It provides a framework to ensure that laboratories can produce accurate, reliable, and consistent results, enhancing confidence in their services. At Envitest Lab,

we are committed to maintaining the highest standards of quality by adhering to ISO/IEC 17025:2017, which reinforces our commitment to impartiality and confidentiality.

To comply with this requirement, Envitest Lab identifies potential risks to our impartiality and confidentiality on an ongoing basis. We have imple-

mented strict procedures to monitor and mitigate these risks, ensuring that all testing activities are conducted with the utmost integrity. By doing so, we provide our clients with the assurance that our results are accurate and unbiased and shows our dedication to excellence, impartiality, and confidentiality for ISO 17025.



Solar Radiation Test chamber indicative

Understanding the implications of solar radiation and its impact on materials is crucial for industries ranging from military to consumer goods, ensuring that products are safe, reliable, and durable. .



Empowering Products

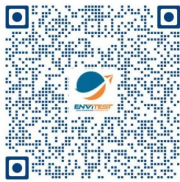
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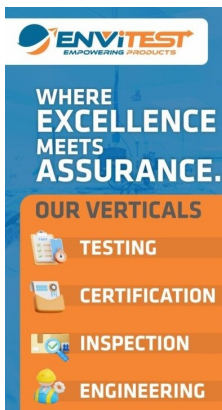
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Our Services

- ◇ Climatic Simulations
- ◇ Dynamics & Vibration
- ◇ Contamination and Ingress
- ◇ Materials / Metallurgical Testing
- ◇ Aircraft Electrical Testing
- ◇ Electrical Safety Testing
- ◇ Optical Fibre Cable Testing
- ◇ Telecom Interface Testing
- ◇ Electrical Cables and Connectors Test
- ◇ International Approvals
- ◇ Customized Tests
- ◇ Engineering Services

About Envitest Lab



working tirelessly behind the scenes to guarantee product success

ENVITEST Lab abbreviated for “ENVIRONMENTAL TESTING”, established in 2017 at Bangalore Electronic City, is a ISO/IEC 17025 certified company with an objective to offer high-quality testing, inspection, pre-compliance, certification, and engineering services for the across the globe products.

We serve across domains products for the compliance and certifications. Over time we kept on add-

ing the new testing facilities to bring more opportunities for growth but would allow to provide a more complete portfolio of testing solutions to our customers. From our humble beginnings, we have grown from a simple test house who worked on the world's most complex engineering projects to become a leading test lab of standard and custom test services. Throughout our journey to become one of the premier worldwide service providers of testing solutions, we have held true to the philosophy that the customer comes first.

Our Disciplines -

Electronics and Electrical Product Test covering Optic fibre, electrical connectors for

automotive and MIL, Aircraft electrical characteristic, Product safety, Product performance, Product susceptibility test.,

Telecom Product Test covering telecom products which covers PON and GPON Test, Interface Test, EMI/EMC test, Router and Switches and many more.

Environmental Test for Any Product covering - Shock and Vibration, Bump, Thermal, Humidity, Damp Heat, Cold Hot temperatures, thermal shock, Ingress protection, dust, water, contamination, fungus, Ultraviolet UV, salt and acidic corrossions and many more.