



ABSOLUTE **TESTING** SERVICES (A-TS)

Your Reliable Testing Partner

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Introduction

Absolute Testing Services (A-TS) is having world's leading testing facilities in the field of Electrical, Electronics, Automotive, IT Products, Cells & Batteries, Lighting and Medical devices testing to provide customers with solutions based on reliability, safety, quality, environmental protection as well as cost effectiveness.

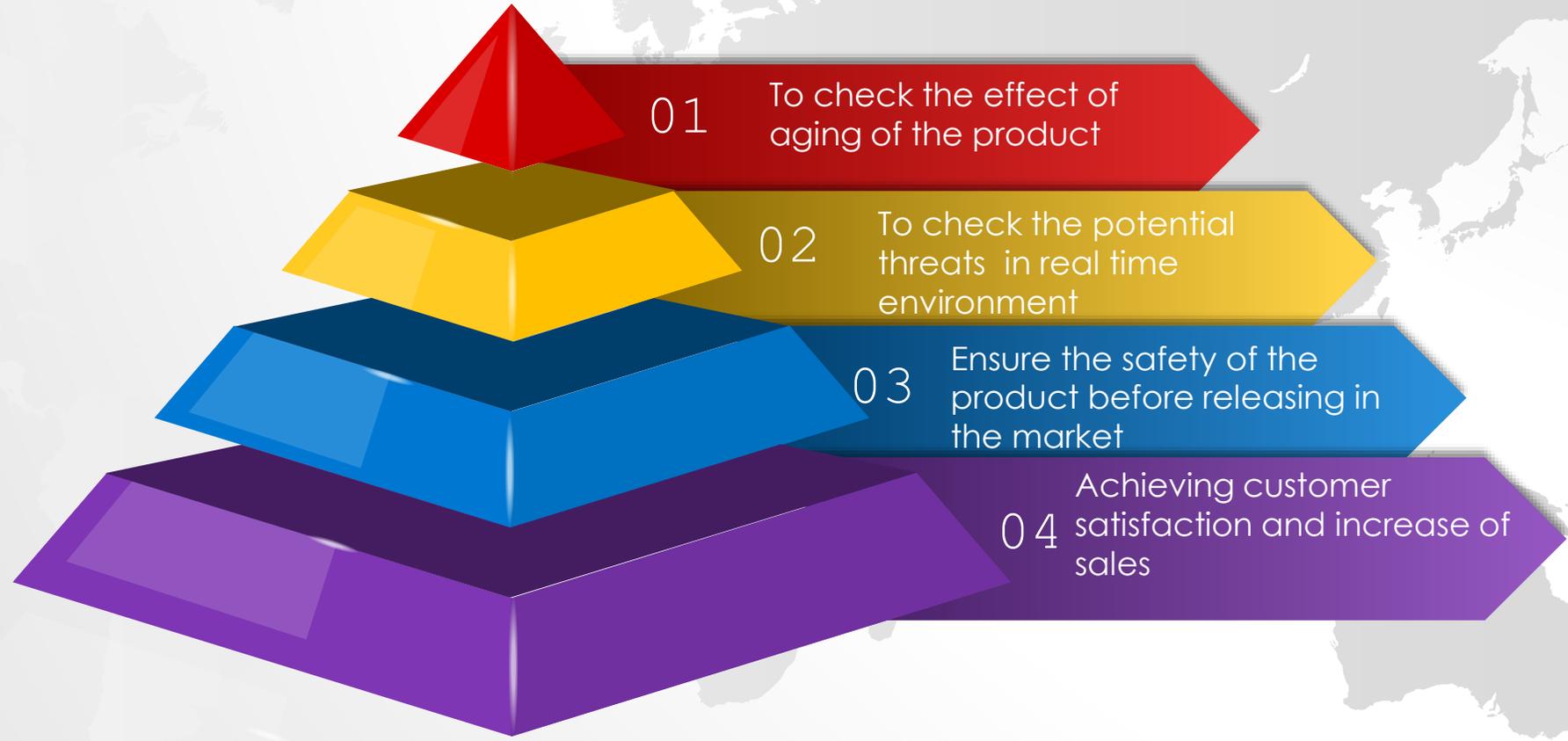
We are committed to adding value to customer. Our success is centered on providing the appropriate expert advice to enable you to launch safe and reliable products.

Vision



Improvement with every step
towards the achievement of
perfection.

Why Testing ?



Why Testing is Important

Testing is essential for every company to develop high quality product. In today's world business are becoming bigger, better and competition is higher than before.

There are number of reasons why product testing is important:

- For achieving customer satisfaction and to make more sales, a product needs to fulfill all customer requirements. When the product passes number of test series and quality assurance team provides test closure reports only then product is launched in market.
- Before product is released in market, it is also ensured that product is completely safe for usage.
- Potential threats are also measured in advance by setting real environment.
- Product testing also include effect of aging on products.

Facilities

Product Safety Testing

Environment Testing

Performance Lifecycle Testing

Energy Efficiency Testing

IP Testing

Battery Testing

Customer Specific Testing



Safety Testing

- Information Technology Equipment
- Sealed secondary cells & batteries used in portable applications
- Audio Video and similar Electronics Apparatus
- Safety of Electrical toys
- Safety of Lamp control Gear
- Household and similar electrical appliances
- Mobile Phone Handsets
- Medical Electrical equipment
- Transport tests for Sealed Secondary cells and batteries
- Automotive Components
- Safety of self ballasted LED lamps



Environmental Testing

- Cold Test
- Dry Test
- Damp Heat Cyclic
- Rapid Temperature Cyclic
- Damp Test Steady State
- Drop Test
- Topple Test
- Fall Test
- Vibration Test
- Sealing (Gas Tightness)/High Altitude Test
- Water Immersion Test
- Corrosion-Salt
- Bump Road ability
- Dust Test
- Rain Test
- Dripping Test
- Impact Test



Performance/Lifecycle Testing

- Endurance Testing of lamp control gear
- Stimulated life testing
- Luminous Flux
- Luminous intensity
- Color rendering index
- Color temperature
- Chromaticity coordinates
- Luminous efficacy
- Lamp Lumen life
- Lumen Maintenance
- Endurance test for SSL products
- Verification of photometric Data
- Electrical characteristics of luminaires



Ingress Protection (IP) Testing

Protection Against Foreign Objects/Dust

- IP1X Protection against objects above 50mm diameter
- IP2X Protection against solid objects diameter exceeding 12.5 mm
- IP3X- Protected against solid objects exceeding 2.5 mm diameter
- IP4X- Protected against solid objects exceeding 1.0 mm diameter
- IP5X- Dust Protection
- IP6X- Dust tight (with vacuum applied to the product)

Protection Against Entry of water

- IPX1- Protected against dripping water
- IPX2- Protection against dripping water at 15° angle
- IPX3- Protected against spraying water
- IPX4- Protected against splashing water
- IPX5- Protected against water jets
- IPX6- Protected against powerful water jets
- IPX7- Temporary immersion in the water
- IPX8- Continuous immersion in water
- IPX9- High Temperature and water jets



Battery Testing

- Forced Discharge
- Altitude Simulation
- External Short Circuit Test
- Impact Test
- Crushing Test
- Overcharge Test
- Shock Test
- Thermal Test
- Vibration Test
- Dimension Analysis
- Marking Test
- Case Stress At High Temperature
- Continuous Charging at CV
- Forced Internal Short Circuits
- Free Fall
- Information Of Safety
- Thermal Abuse
- Incorrect Installation
- Damp Heat



Customer Specific Testing

- Availability of highest capacity electrodynamic shaker vibration test can be done upto 4000 Kgf
- Humidity chamber with dimensions 8x6x6 feet with temperature range -60°C to 200°C, humidity Ranges above 97% for large testing ranges
- Radiation detection testing
- Water Ingress Protection at high temperature with upto 4 pressure jets simultaneously (IPX9)
- Testing requiring electronic load upto 4400W
- Other miscellaneous testing like torque testing, Bi-Climatic,
- Any other kind of Research and Development testing as per the requirements of the customer



Testing Capabilities

Drop Test
Impact Resistance Test
Insulation Resistance Test
Electrical Safety Test
Automotive Testing
Salt Spray Testing
Corrosion Testing

PCB Testing
Humidity Testing
Climatic Test
Photometric Testing
Lighting Equipment Testing
IP Rating Testing
IK Rating Testing

Battery Testing
Environmental Testing
Thermal Shock Testing
Vibration Testing
Impulse Testing
Surge Testing
High Voltage Testing
Temperature Rise Testing
Product Conditioning Testing

We will test better working machines.
Starting from yours.

Thanks!

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