



# You built it right.



Performance Testing

# We'll prove it.

Interte

tly Tested for Quality and Performal

# Mandatory tests are there to be followed. Performance testing puts you in the lead.

A lot happens in a product's lifecycle: The more you master the product lifecycle the better your product and greater your marketing success. Performance testing gives you the knowledge you need to gain unprecedented levels of control. From design engineering/evaluation to prototype testing/validation to final product comparison/ benchmark testing, Intertek offers independent, unbiased, third-party performance testing—efficiently and cost-effectively anywhere and everywhere in a product's lifecycle. With testing labs all over the world Intertek is your complete one-source performance testing company.



When an industry-specific manufacturing association agrees to adhere to a benchmark of performance standards, they raise product reliability, consumer confidence and industry integrity. Intertek's comparison and benchmark testing can help you make critical choices between designs, choose the right supplier, select materials or determine whether your product is better or more durable than the competition.

#### **Reduce warranty costs**

Performance testing not only proves your product, it helps you forecast warranty costs. This, in turn, allows you to more precisely plan for warranty expenses.

#### Ensure quality while reducing costs

Performance testing can reduce costs and help you retain quality. You can also verify your supply chain by testing and comparing multiple components.

#### Find the perfect price point

Performance testing gives you the information you need to find the sweet spot when determining price points. Most important, you'll have the data to back it up.

#### Build brand trust and loyalty

When you test your product's marketing claims, you have independent, third-party, laboratory proof that your claims are much more than promises. You have compelling proof to show the market.

Battery performance testing will help ensure your product meets your customers' expectations. Intertek can help determine the best power source for your application.



## Performance testing helps all along the product lifecycle.

#### **Accelerated Stress Testing (AST)**

A series of tests that serve as a fast way to identify realworld failures. AST compresses many conventional tests by up to 50% and eliminates other tests altogether. The result ensures product reliability and fewer warranty claims.

#### **Claims Verification**

Is your product faster, better, easier to use? When you get independent verification of the performance claims that differentiate your product, you get solid information for marketing to use, confirmation of internal tests, data that helps you secure endorsements from industry associations and a way to prove your claims versus the competition.

#### **Comparison Testing**

By benchmarking your products against the competition, you'll know your strengths and your competition's weaknesses.

#### **Durability/Endurance Testing**

Make sure your product's useful life meets consumer expectations, matches product claims and conforms to warranty parameters.

#### **Energy Verification**

Demonstrate voluntary energy efficiency compliance by ensuring essential compliance with ENERGY STAR<sup>®</sup>, California Energy Commission, Natural Resources Canada (NRCan), EU energy labeling, EuP Directive and others.

#### **Environmental Testing**

Test against rain, wind, ultraviolet exposure or almost any other environmental condition. This ensures that your products perform when they should, where they should in every environment.

#### **Materials Testing**

Measures physical, chemical and mechanical properties of plastics, textiles, metals, glass and other materials. This allows you to make the best design or sourcing choices based on performance, durability and customer satisfaction.

#### **Battery Testing & Advisory Services**

From hybrid electric vehicles to personal electronics to renewable energy, Intertek has a depth of experience ensuring batteries and energy storage technologies meet performance, reliability and safety criteria. Capabilities range from coin cell evaluations to full pack EV/HEV batteries for automotive applications. We assess more than 20,000 batteries each year, covering all chemistries and sizes.

#### **Electrical Testing**

Know how your product behaves under a variety of electrical conditions. Measure electrical function in the systems, subsystems and components of a product. Tests include current, voltage, power draw, functionality, HALT/HASS, data acquisition and others.

#### **Photometric Testing**

Lighting testing services help government and private organizations in the residential, commercial, airport, traffic control, and automotive industries verify the safety, quality and performance for a variety of lighting products. Get the right color, intensity and life for your lighting products.

#### Audio Performance Testing

Utilizing Intertek's audio testing services to evaluate how your product will perform can help your product stand out. Our range of audio testing capabilities include speaker testing, acoustic and noise measurements.

#### **Acoustical Testing**

Verification of products' acoustical and airflow performance –including mechanical equipment and accessories (HVAC units, fans, blowers, etc), building materials & assemblies (partitions, windows, acoustical panels, etc) and household appliances (room air conditioners & cleaners, dishwashers, small appliances, etc).

Research	Feasibility	Design	Pre-Production	Production	Service	End of Life
A/B Comparison	Prototype Computer Modeling Validation Plan Synthesis Claims Verification Testing Battery Testing & Advisory Services	Quality & Performance Mark Durability Testing Life Testing DFMEA RoHS Directive	Production Proof Testing FA (Failure Analysis)	Durability Cost of Quality FA (Failure Analysis)	Brand Related Issues Warranty Quality & Performance Mark Product Recall Mitigation	WEEE Directive

From initial design, manufacturing, product launch, product adoption and market surveillance, performance testing is the best way to know you're on the right track—allowing you to correct issues before they become profit-robbing problems.



# Intertek Don't promise quality. Prove it.

#### The Intertek Quality & Performance Mark<sup>™</sup>.

Consumers are more sophisticated, do more research, make more comparisons and are more informed than ever before. When it comes to buying a product, what consumers are seeking is the truth. Truth that will lead them to the right choice—in a world of countless choices.

Whether it's online, on-the-shelf or on your product, when consumers see the Intertek Quality & Performance Mark, they'll have an easy, efficient, way to know precisely where your product stands—and how it stands out. In a word, they'll have proof.

### Why partner with Intertek?

#### We're not new to new testing technologies.

In fact we excel in the latest testing methods. For example, we're experts in Accelerated Stress Testing—which can compress many tests by up to 50% and eliminate some tests altogether. The result is lower costs, more revenue potential and greater speed to market.

#### Our depth only exceeds our breadth.

With more than 100 years of testing experience in a wide range of industries, Intertek can perform qualitative and quantitative testing you need in our state-of-the-art labs around the globe. We offer efficient, cost-effective services in everything from Accelerated Stress Testing to Energy Verification to Usability Testing. The result is quicker confirmations, reduced turnaround time and greater speed to market.

#### Let us be your partner.

Our program managers, engineers, and technicians have the experience to help you determine what to test, how to test and when to test which saves time and money. We want to be your testing partner—helping you with superior service that achieves exceptional results.



Retailers know that the quality of the products they sell reflect the quality of the business. They use performance testing to advocate for their customers and pick the best products.

### We're wherever you do business.

Intertek is nearby to provide all the testing, certifications, and inspections you need. To start a project, contact us at one of our regional offices below, or visit us online at: www.intertek.com.

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