



Next Generation Performance Testing for Consumer Products

SGS PERFORMANCE FACTORY (PROF)



Consumers demand products that are performant, durable and live up to their promises. In today's highly competitive markets, what is the best way to ensure your products meet, and even exceed, performance and durability claims?

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PROF represents the next generation in performance testing for consumer products. It allows the execution of test protocols that incorporate real human dynamics with unmatched consistency, repeatability and reproducibility. Where traditional approaches have often relied on mechanical solutions, PROF allows adaptability and versatility to create a true consumer-based performance testing platform.

Using the PROF platform, our experts can implement tailored testing solutions for a large range of consumer products. Its innovative design brings together highly adaptable robotics with layers of advanced algorithms and high-level analytics. Working in combination, these accurately replicate human dynamics while measuring the impact on the product. This data is then analyzed by our experts to generate high quality insights into performance and durability.

PROF can be easily and quickly configured by our laboratory technicians to perform an exhaustive range of testing applications based on real-life scenarios.

BENEFITS

- Fast turnaround times
- Cost-effective
- Greater accuracy in testing
- Scalable, repeatable and reproducible testing protocols
- Accurately replicates real human behavior
- Consistent, impartial results

REAL HUMAN BEHAVIOR

PROF does not mechanically approximate human use; it faithfully recreates it using robotics. High-precision sensors within the system accurately record and analyze real human behaviors and movements. Our experts then use this data to generate a testing protocol that the robot uses to continuously repeat a programmed action with a high degree of accuracy, but without a reduction in quality.

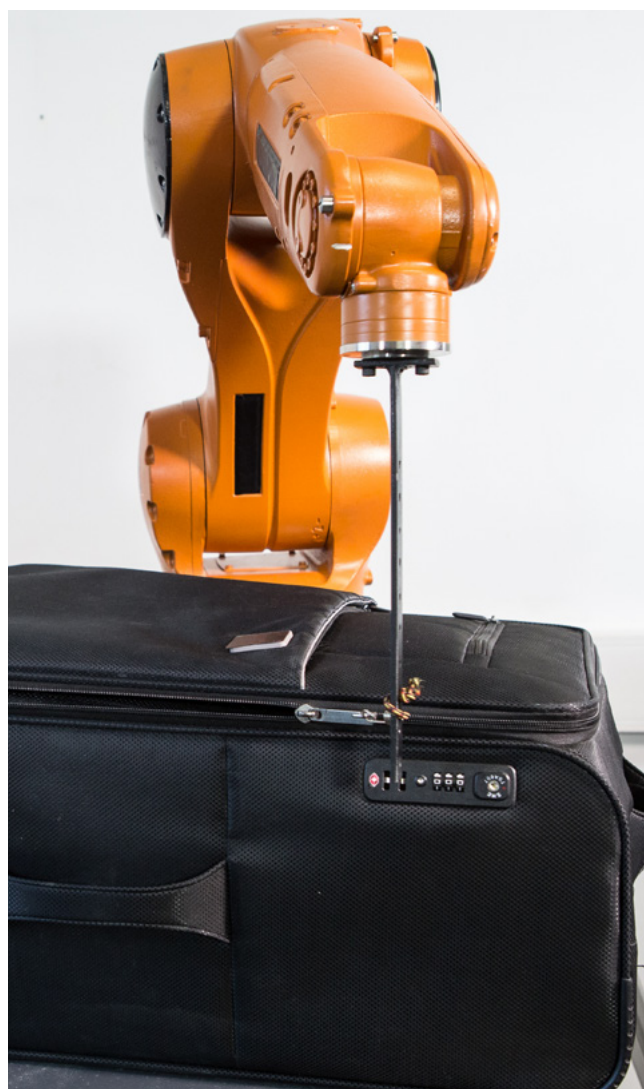
PROF testing protocols can be mapped onto any suitable robot, giving manufacturers, brands and retailers operating in any market access to this next generation, high quality performance and durability testing solution.

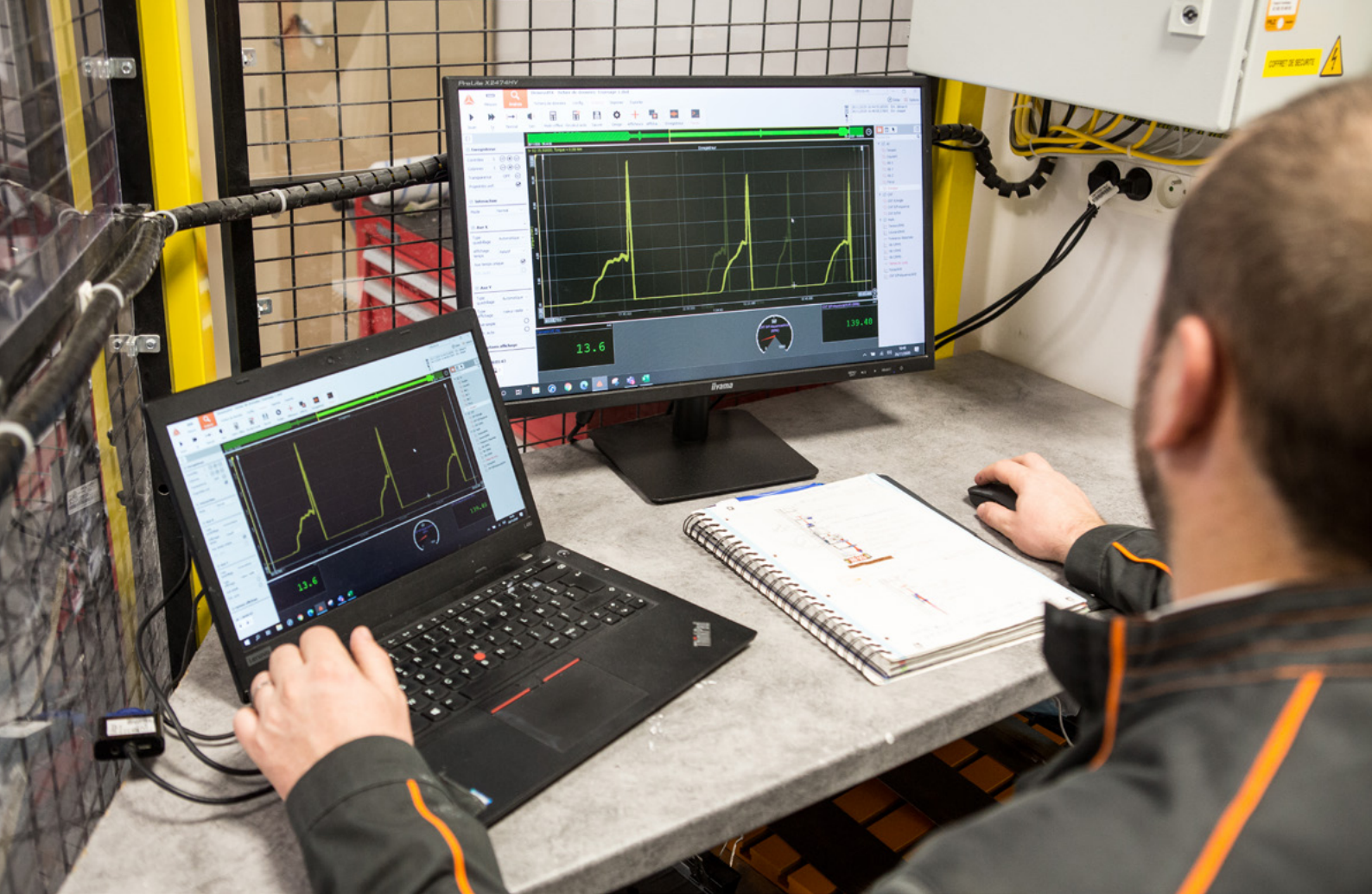
TRUE CONSUMER USE TESTS

Every human uses a consumer product in a slightly different way, which can ultimately affect its performance and durability. A true consumer use test therefore needs to eliminate the predispositions of the individual performing the test and replace it with a system that accurately recreates a variety of different factors, such as height, size or even whether the user is left or right-handed.

PROF's virtual user can be built using the characteristics of real consumers in the target market. The platform's highly adaptive nature means it can be configured to meet whatever values the manufacturer needs to test against, ensuring the delivering of highly accurate results that are specific to the needs of the market.

Generating qualitative data that reflects real consumer use in this impartial and targeted way lets our clients benchmark their products in line with customer expectations and against the competition. It also supports them during the development of their next generation of product.





PERFORMANCE OVER TIME

PROF's virtual user does not suffer from fatigue. Once the platform has been programmed, the system is capable of precisely repeating the same task multiple times without deviation.

The client receives qualitative data that removes the bias of fatigue and, because the system accurately measures the impact of the task throughout the testing cycle, the results will precisely map durability and the impact of use over time.

WHAT PRODUCTS CAN BE TESTED?

Paint rollers, screws, furniture draws, suitcase zips, the list of products PROF can be applied to is almost endless.

Because it is not restricted to a specially constructed test bench, the system can easily and quickly be reconfigured to fit any product and the requirements of the manufacturer, brand or retailer.

Our experts are constantly developing test protocols for new products and can work directly with manufacturers and suppliers to create bespoke testing solutions that meet the exact requirements and demands of the market.

SGS PROF SERVICES

PROF is available to manufacturers, brands and retailers operating in all parts of the world. Its protocols are scalable, repeatable and reproducible, and it delivers the same high levels of consistency and accuracy wherever the tests are performed

Choose SGS PROF and find out how this next generation performance and durability testing solution will empower your consumer products to succeed in competitive global markets.

In the end, it's only trusted because it's tested.

WHY SGS?

SGS is the world's leading provider of testing, inspection and certification services. Our global network of experts assist consumer product manufacturers, brands and retailers with a wide range of performance and durability testing solutions, including SGS PeRfOrmance Factory, all backed by state-of-the-art facilities in all major markets.



CONTACT US TODAY:

consumer.products@sgs.com
Visit www.sgs.com/PROF

**Trusted
means
*Tested.***