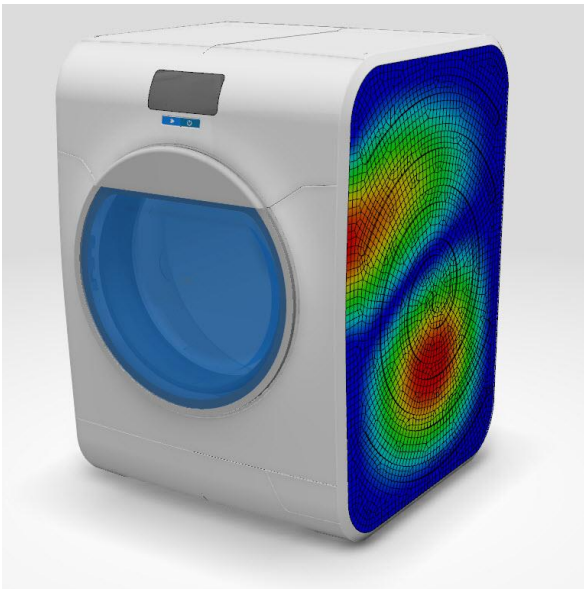


HIGH TECH

PRODUCT TESTING AND SIMULATION

Reduce Product Returns and Warranty Costs with Improved Virtual Testing



DEVELOP MARKET-WINNING EXPERIENCES WITH INTEGRATED-SIMULATION

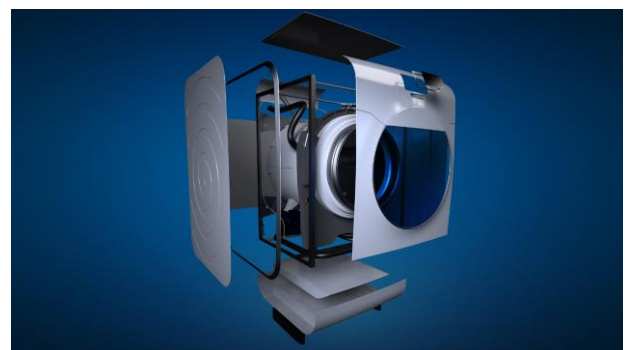
Gone are the days when building a best-in-class product was simply about a novel idea or a supersized set of features. According to a recent Eventbrite survey, 78% of gen y respondents said they would rather spend money on an experience than a thing. The creation and delivery of innovative experiences must be achieved even in the face of intense market challenges, such as globalization of design and manufacturing processes, greater complexity of products, compliance with industry regulations, and shorter time to market. Leading high tech companies have turned to realistic simulation to answer these challenges while creating more robust, more efficient, and more durable designs.

Product Testing and Simulation integrates key design enablement solutions to provide a structured, integrated, yet flexible and modular collaborative development experience that ensures each engineer is 100% aware of his/her

colleagues' work with minimum effort. It helps accelerate product development cycles and minimize engineering costs, while improving product development capacity.

Integrate a company's engineering and best practices into re-usable, deployable processes

Product Testing and Simulation provides a framework for engineering teams to integrate the tools they use into re-usable, deployable processes. This reduces time-consuming and error prone tasks to improve productivity and consistency, while enabling design exploration studies to find better designs and democratization to expand the user-base for simulation. Lastly, capturing these processes in the **3DEXPERIENCE®** platform provides the traceability organizations need when making critical business decisions.



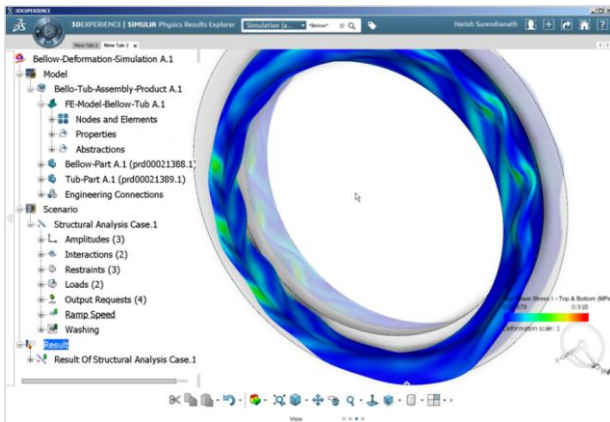
Rapidly transform large data into verifiable decisions

Product Testing and Simulation offers a data post-processing and collaborative decision support tool for anyone that needs to rapidly go from large data to verifiable decisions. Whether data is generated from simulation, physical test, or operations, customers continue to generate large amount of data that requires results analytics to post-process, visualize, and analyze trade-offs. Users now can maintain a single

source of truth while answering common questions such as “What if?” or “What is my best option?”

Visualize very large models with best-in-class rendering performance

As simulation technology and implementation increases, the output datasets have the potential to increase exponentially, often reaching 100 million nodes or more. This causes real challenges in displaying those results quickly and efficiently. Product Testing and Simulation helps solve this problem by providing high performance capabilities for visualizing and exploring simulation results, particularly large datasets. Results files are not copied to the user workstation and visualization computations are performed within the distributed environment. The result is a state-of-the-art visualization capability enabling the processing of very large models with breathtaking performance.



Validate complex engineering problems using advanced finite element simulation techniques

With an extensive toolset to enhance productivity and efficiency, *Product Testing and Simulation* is

equipped to conduct structural static, dynamic, and thermal simulation of product designs and assemblies within the **3DEXPERIENCE** platform. The toolset provides advanced capability from meshing, model management, scenario definition, execution, results visualization, and report generation.

SMARTER, FASTER, LIGHTER

Product Testing and Simulation is part of Smarter, Faster, Lighter, a Dassault Systèmes INDUSTRY SOLUTION EXPERIENCE based on the **3DEXPERIENCE** platform. It gives companies a deeper understanding of the product behavior in less time than physical prototyping. Unlike other existing CAE solutions, it allows CAE and Systems co-simulation within the system level assessment. It can be used to evaluate thousands of design variables, including the interaction between system performance, stress, durability, noise, and damage due to accidental drop or impact.

Learn more at: www.3ds.com/industries/high-tech/smarter-faster-lighter/

Our 3DEXPERIENCE platform powers our brand applications, serving 12 industries, and provides a rich portfolio of industry solution experiences.

Dassault Systèmes, the **3DEXPERIENCE**® Company, provides business and people with virtual universes to imagine sustainable innovations. Its world-leading solutions transform the way products are designed, produced, and supported. Dassault Systèmes' collaborative solutions foster social innovation, expanding possibilities for the virtual world to improve the real world. The group brings value to over 210,000 customers of all sizes in all industries in more than 140 countries. For more information, visit www.3ds.com.



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