

Press release

Process vehicle tests more efficiently

Extended software edition from Kistler facilitates data analysis and test stand preparation for durability testing

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The new edition jBEAM Durability adds important functions to the analysis software jBEAM from Kistler which is well-known for decades already – resulting in even more flexibility and efficiency for vehicle testing: users benefit from fast data analysis, clear visualization and automated reporting – reducing potential errors and saving valuable time in the process.

Vehicle durability testing requires a vast number of data. Comprehensive tests and analyses have to be performed before systems and components are approved. The jBEAM Durability software has been developed with automotive partners and was successfully tried in practice. It opens up new potential especially for data analysis and test stand preparation, thus facilitating the cooperation between different areas and decision making on different levels.

Quick and transparent in test driving and at the test stand

The new edition jBEAM Durability combines all key components for an optimum evaluation of load data in vehicle testing. A high degree of interaction and speed enables quick analysis, visualization and evaluation of measurement data from the vehicle test. jBEAM Durability supports development engineers with the validation of acquired load data from the entire vehicle as well as single components – both on the road and at the test stand – up to the reporting and final approval.

The application specific modules include damage accumulation, distribution of stress, counting matrices calculation and spike detection and correction. Thanks to its modular design, jBEAM Durability can be accurately adapted to tasks in vehicle testing – delivered by an agile team responsible for custom design and refinement.

Complete measuring chain from a single source

The new software ideally complements the measuring chain for vehicle durability testing, where Kistler is setting the benchmark with its RoaDyn wheel force transducers for decades. They are applied to precisely measure vehicle loads and wheel forces both on the road and at the test stand – and now the data can be visualized, analyzed, and processed flawlessly and more efficiently. As a

result, Kistler now offers the option of delivering an entire aligned measuring chain for vehicle testing from sensor to cloud.

jBEAM Durability is available from now as single-user or floating license and in the versions Starter, Professional and Ultimate. The software focus lies on high performance in processing measurement data and greatest possible traceability and transparency of the process as a whole. Rely on jBEAM and efficiently solve duties in durability testing in the vehicle and at the test stand – a test version can be acquired via [sales-software@kistler.com!](mailto:sales-software@kistler.com)

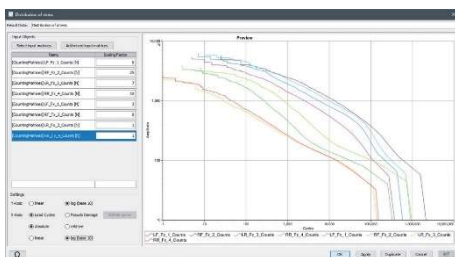
Image material (please name the Kistler Group as picture source)



The jBEAM Durability software from Kistler increases efficiency and transparency of processes in vehicle durability testing – and it completes the measuring chain from sensor to cloud.



jBEAM Durability, the new software edition from Kistler for vehicle durability, supports the development engineer with data analysis in the vehicle and at the test stand.



Data analysis with jBEAM Durability: comparative visualization of stress distribution data from vehicle durability tests – with multiple available options for extrapolation and dubbing.

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About the Kistler Group

Kistler is the global market leader for dynamic pressure, force, torque and acceleration measurement technology. Cutting-edge technologies provide the basis for Kistler's modular solutions. Customers in industry and scientific research benefit

from Kistler's experience as a development partner, enabling them to optimize their products and processes so as to secure sustainable competitive edge. Unique sensor technology from this owner-managed Swiss corporation helps to shape future innovations not only in automotive development and industrial automation but also in many newly emerging sectors. Drawing on our extensive application expertise, and always with an absolute commitment to quality, Kistler plays a key part in the ongoing development of the latest megatrends. The focus is on issues such as electrified drive technology, autonomous driving, emission reduction and Industry 4.0. Some 2,000 employees at more than 60 facilities across the globe are dedicated to the development of new solutions, and they offer application-specific services at the local level. Ever since it was founded in 1959, the Kistler Group has grown hand-in-hand with its customers and in 2022, it posted sales of mCHF 434. About 8% of this figure is reinvested in research and technology – with the aim of delivering better results for every customer.