Press release **May 29, 2024**

Impact hammer WaveHit^{MAX}: the high-precision tool for quality assurance with new features

Our innovative WaveHit^{MAX} is the first intelligent impulse hammer that has already convinced many users in the field of structural dynamics applications. A fully automatic, reproducible and high-precision single-hit excitation is guaranteed by the internal signal processing. Tedious manual adjustments are a thing of the past.

A major strength of the impulse hammer is the precise and reproducible excitation of test objects and workpieces, allowing you to optimize your production processes and also act sustainably and save follow-up costs with regard to quality testing. The new WaveHit^{MAX} MK2 model retains all the proven functions of the WaveHit^{MAX} MK1 and offers even more!

With the new model, the type of signal output can be selected. In addition to the existing internal signal processing and analysis, it is possible to select the direct output of the force sensors at the signal output. This function has many advantages, such as a lower noise level of the measurement signal. In addition, further analyses of the signal can be transferred to an external data recorder and recorded, e.g. for FRF calculations, experimental modal analysis or coherence calculations. Furthermore, new possibilities for external calibration of the hammer are offered (DAkkS calibration, ILAC).

With two completely new operating modes, the impulse hammer also offers new possibilities for resonance testing. Micro-impact mode is ideal for exciting structures with the lowest possible energy. In manual mode, experts can select any valid instrumentation and thus enable completely individual test processes.

In the field of end-of-line testing, the impulse hammer WaveHit^{MAX} is irreplaceable as a tool for acoustic resonance testing. You can rely on the WaveHit^{MAX} to always deliver accurate results, as the high-precision excitation ensures that double hits are avoided. Damage-free localization of defects is fast and cost-effective thanks to resonance testing, taking quality testing to a new level.

Interested parties can find more information here.

Volmerstraße 3
12489 Berlin DE
Tel.: +49 (0)30 814 563-750
E-Mail: info@gfaitech.de

About gfai tech

gfai tech GmbH is a German company specializing in innovative sound and vibration measurement and analysis solutions. We offer advanced Acoustic Cameras, comprehensive analysis software, and cutting-edge structural dynamics solutions. Our expertise spans various industries, helping customers achieve noise reduction, false detection, sound design improvement, and precise vibration monitoring. As a subsidiary of GFaI e.V., we provide unique hardware, software, and customized customer solutions backed by global support.

Contact

Katharina Milinski
+49 (0)30 814 563-750
info@gfaitech.de

High resolution images can be provided upon request.