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Press Release

Portable Force Measurement Plate Kistler Quattro Jump Now with Performance Diagnostics Software Kistler MARS 2.1.

Fast Analysis and Evaluation of Performance and Force for Vertical Jumps

Winterthur, 15 September 2015 – The portable force measurement system Kistler Quattro Jump now supports the proprietary performance diagnostics software Kistler MARS. The software, which has been specially developed for Quattro Jump, enables the analysis and evaluation of performance and force for vertical jumps. The eight pre-defined analysis modules make it possible to evaluate measurements in just a few seconds and to display all relevant performance parameters at a glance. Kistler has thus expanded the tried and tested force plate into an integrated, attractively priced performance diagnostics system, making broad application in fitness clubs, performance centers and rehabilitation centers possible. Kistler Quattro Jump with MARS is available as from now.

Quattro Jump with Kistler MARS 2.1

In June, Kistler presented an extensive update of the proprietary Kistler MARS 2.1 Measurement, Analysis and Reporting Software for Kistler force plates. The software is now also supported by Quattro Jump. The portable force measurement system provides numerous innovations for performance diagnostics in sport and rehabilitation, for example, in the evaluation of drop jumps. ‘Our goal is to make piezoelectric measurement technology, which is outstanding because of its great robustness and accuracy, available to a broad group of users,’ says Florian Ullrich, manager of Kistler’s Biomechanics Business Field. ‘With Kistler MARS, Quattro Jump is now an integrated, attractively priced performance diagnostic system which can be used in many situations where, up until now, high-end technology was prohibitive simply because of the cost.’

Versatile Application in Performance Sports and Rehabilitation

Quattro Jump with Kistler MARS is targeted for performance coaches, team physiotherapists as well as fitness and rehab trainers who need to objectively determine the exact condition of their athletes. The portable force measurement system delivers a quick overview of all the relevant performance parameters of the legs. This makes it possible, for instance, to specifically control particular training or regeneration phases so that individual development phases can be reached more quickly. With a USB interface, which replaces the serial interface used up until now, Quattro Jump can be connected more easily than ever.

Eight Predefined Analysis Modules

The focus of the eight predefined analysis modules (i.e. Counter Movement Jump or Stamping) is on the analysis of force and endurance. The software delivers all relevant performance parameters within just a few seconds. This helps athletes train to their optimal level and avoid injury. Frequent and efficient performance tests give coaches and physiotherapists a good overview of the current performance capability of their athletes.

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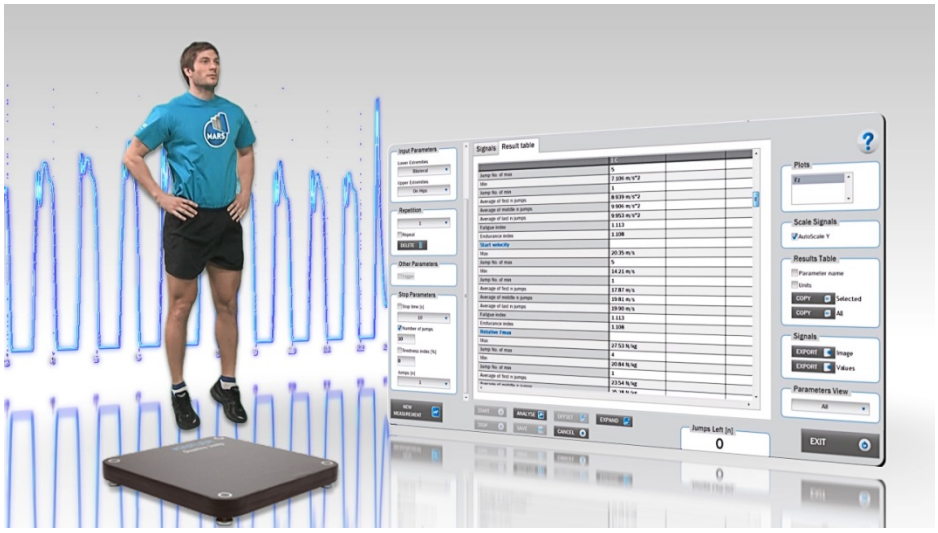
Easy Output of Desired Performance Parameters
The input parameters and data acquisition setup can be edited for each test separately. Data from projects, test persons and measurements are edited, structured and saved to a database using the management tool. Here, they are available for comparisons and reports. Extensive information and examples can be found in the Kistler MARS software help while online video trainings are available from the support website.

Collaboration with Leading Institutions in Biomechanics
The Windows-based software Kistler MARS has been developed in close collaboration with leading international institutions for biomechanics and extensively tested in practice using Quattro Jump. Kistler MARS for Quattro Jump is also available as a software upgrade for older Kistler Quattro Jump systems with USB (Type 9290BD).

You can find out more about the Kistler performance measurement solutions at www.kistler.com/biomechanics. The following picture can be downloaded in high resolution here.



Caption: The portable force measurement system Kistler Quattro Jump now supports the proprietary performance diagnostics software Kistler MARS 2.1.

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About the Kistler Group

The Swiss-based Kistler Group is one of the world's leading providers of dynamic technology for measuring pressure, force, torque, and acceleration. Kistler technology is used to analyze physical processes, control industrial processes, and optimize product quality.

Kistler offers a comprehensive range of sensors, electronics, and systems for engine development, automotive engineering, plastics processing, metalworking, assembly engineering, and biomechanics.

Thanks to its 30 Sales and Production Centers, three Tech Centers, as well as more than 30 agencies, the Group is present on every continent. This allows customers to benefit from local contacts as well as application support tailored to their needs.

The Kistler Group employs 1,350 people and, in the 2014 financial year, achieved sales of 319 million CHF.

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