Efficient analysis of video and force plate data

Whether you want to assess an athlete’s performance or a person’s recovery process, our Force Analysis module will enhance and streamline your data capture and reporting.

There is an increasing demand for objective assessments of performance improvements or recovery after an injury. Force plates are commonly used for this, yet interpretation of their output is challenging without reference data from video cameras.

This is where Qualisys’ Force Analysis module enters the stage – by adding two of our calibrated and synchronized Miquas Video cameras to your setup, you create a versatile measurement station, capable of generating reports for your clients with the click of a button.
MIQUS VIDEO
Unlike traditional video cameras, the Miqus Video camera is accurately time-synchronized with the force plates, so you can be confident that what you see in the video is correctly aligned with measured force data.

Onboard processing makes it possible to use high capture rates (e.g. 85 Hz Full HD) without special demands on the computer.

DATA COLLECTION & PROCESSING
Simply calibrate the system and enter your client’s name and details into the software. Since no body markers are necessary, there is no need to spend time preparing the person and manually post-processing the data.

QTM (Qualisys Track Manager) intuitive software guides you through the data collection process and gives you the ability to enter comments for every recorded measurement.

REPORTS
The module includes automated processing and reports for tasks such as a counter-movement jump, drop-jump, and gait. The reports are completed within one minute.

The reports include tables, curves and screenshots of your client at key events as well as reference data. Screenshots include the recorded forces as an overlay (red vector). You can edit the report in Microsoft Word if needed, print it or export it to PDF.

MODULE OPTIONS AND REQUIREMENTS

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<th>Processing Engine</th>
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<tr>
<td>Force Analysis</td>
<td>No markers</td>
<td>2 Miqus video</td>
<td>4 x 4 m or larger</td>
<td>Qualisys Biomechanical Engine</td>
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1 In addition, a Miqus Sync Unit and two force plates are required. Compatible with force plates from all major manufacturers, such as Kistler, AMTI and Bertec.

Some force plates also require use of the Qualisys Analog Interface. Microsoft Word is required to view final report.

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