

QUALISYS

# Qualisys Sports Performance Analysis



Within the area of sports performance, motion capture is used to learn more about injury mechanisms and prevention and how to improve a player's technique for better performance.

The Qualisys Motion Capture system will allow your facility to expand its understanding of performance, safety, health, and long-term well-being, which benefits student-athletes.

The unique flexibility and portability of the system make it easy to set up the equipment and transport it to different arenas or other sporting venues, both indoors and outdoors. Fully objective, quantitative data can be obtained for the calculation of joint angles, acceleration, moments, force, elasticity, deformations, body posture, balance, and other parameters.

Motion capture cameras synchronize with the native video camera, the Miquo video, for added visualization and overlay of 3D data. They can also be synchronized with other measurement systems, such as force plates, EMG accelerometers, and eye-tracking devices.

## *Sports Module*

Analysis modules are developed as a customizable infrastructure that lets you automate repetitive tasks in your work flow.



Cricket



Baseball



Cycling



Golf



Running



Swimming

# Applications in Life Sciences

Biomechanics is the study of the movements of biological entities, such as humans and animals. In the area of life sciences, Qualisys systems are utilized in various life sciences contexts, from fundamental research to diverse applications.



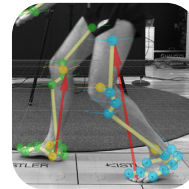
Sports



Outdoor research



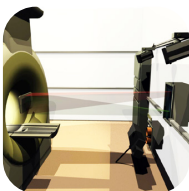
Functional Assessment



Gait



Sound & Motion



MRI



Animal biomechanics



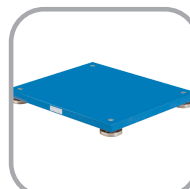
Equine lameness

## 3<sup>rd</sup> Party Integrations

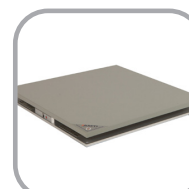
Qualisys' proprietary tracking software, Qualisys Track Manager (QTM), meets the needs of both advanced users and those who are less experienced in a range of applications. The software has integration and synchronization with force plates, EMG and eye tracking devices as well as real-time streaming into 3<sup>rd</sup> party analysis software.

### Force plates

Complete your analysis with kinetics



Kistler



AMTI



Bertec

### EMG

Digitally integrated EMG for muscular data



Delsys



Noraxon



Cometa

### Eye trackers

Combine eye tracking & motion data



Tobii



Smart Eye



Ergoneers