

The MotionMonitor acquisition and visualization software

The MotionMonitor is a turn-key, real-time data collection, analysis and 3D visualization software that integrates seamlessly with Qualisys' line of high-speed, high-resolution motion capture cameras.

Applications range from gait and physical therapy, to sports medicine and sports training, teaching professionals in golf, tennis and baseball, among others. The MotionMonitor fully integrates with and synchronously collects data from external analog devices such as EMG and force plates, video, eye-trackers, haptic devices, stereoscopic displays and event markers. The MotionMonitor is developed and designed by Innovative Sports Training, Inc., one of Qualisys worldwide strategic global partners.

FEATURES

- Supports the C3D file format
- C3D model builder
- Real-time data analysis
- Biofeedback, visual and audio
- Kinematic and kinetic data
- Preference files and scripted protocols
- Data reduction functions
- Preference files
- Real-time visualization of data
- IMU integration with motion capture data

RESEARCH

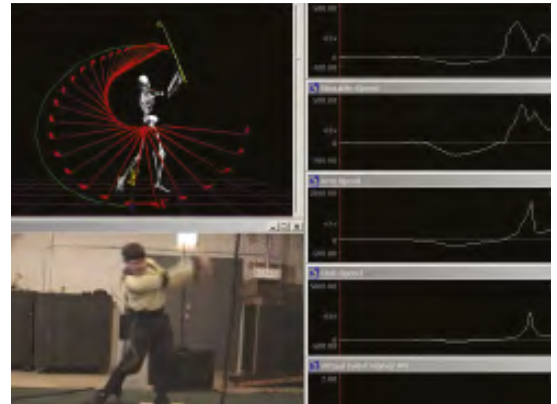
The MotionMonitor is an accurate and simple research tool. Data generated from a rich collection of analytical tools are available for playback with graphical displays of all data outputs. 3D computer-rendered animations of the subject can be viewed as a skeleton, stick figure, or humanoid. Real-time measurements of the body's movement, muscle recruitment and external forces acting on the body is achieved using Qualisys cameras.

CLINICS

A suite of physical therapy applications provide clinicians with objective data regarding the patient's condition before and after therapy. The MotionMonitor tracks range of motion, tremor, Cobb and kyphosis angles and performs gait analysis, balance assessment, spine assessment among others all in one package. Each application has a thorough basis in science and is derived from studies conducted by our clients in the academic world.

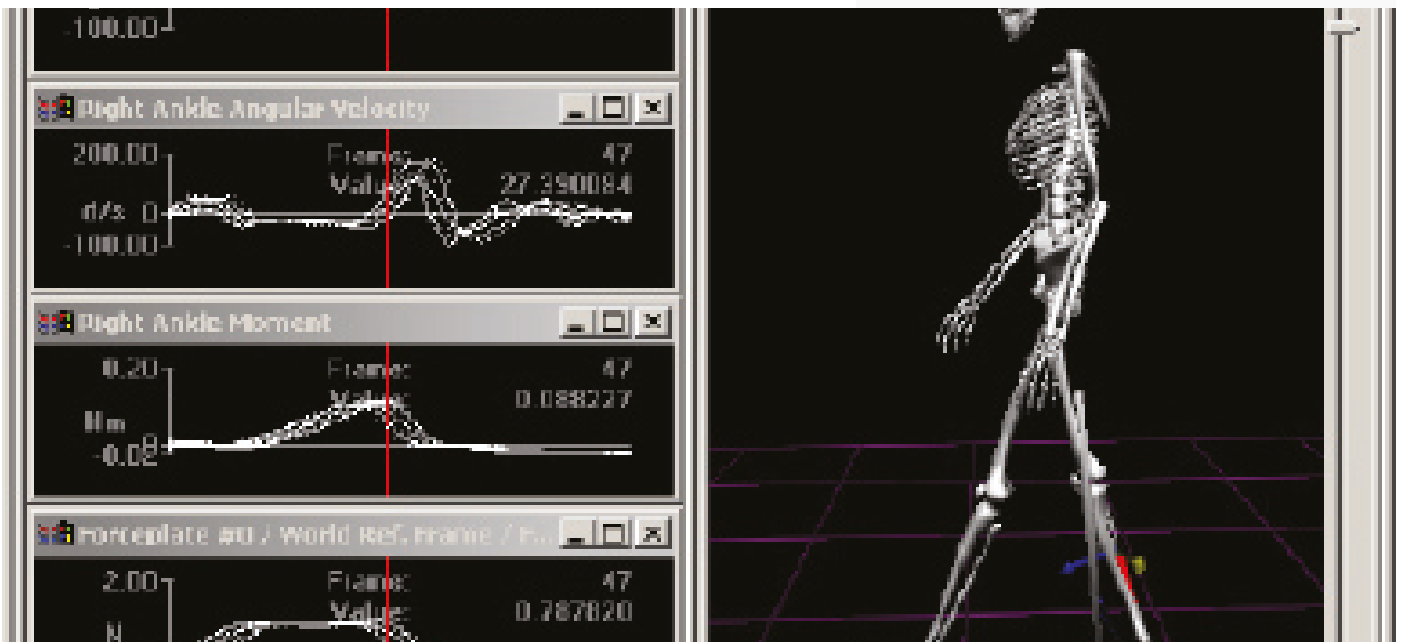
SPORTS

The Swing Trainer provides a scientific foundation for measuring and evaluating swing motion and is designed for sports medicine labs, rehabilitation clinics and teaching environments. Together with Qualisys cameras, a complete analysis is created that precisely monitors all aspects of sports movements involving golf clubs, baseball bats, tennis rackets and hockey sticks. Collected data is used to render an exactly proportioned model and to provide information of important characteristics such as shoulder rotation, club or bat speed, balance and center of mass.



APPLICATION AREAS

- Gait & Balance
- Sports Performance Enhancement
- Motor Control
- Neuroscience
- ISB Shoulder and Ankle Protocol
- Virtual Reality
- CT-MRI Registrations
- Eye Tracking for 3D gaze



QUALISYS



qualisys.com

sales@qualisys.com

Qualisys Europe

Gothenburg, Sweden

Qualisys Americas

Chicago, USA

Qualisys Asia Pacific

Shanghai, China