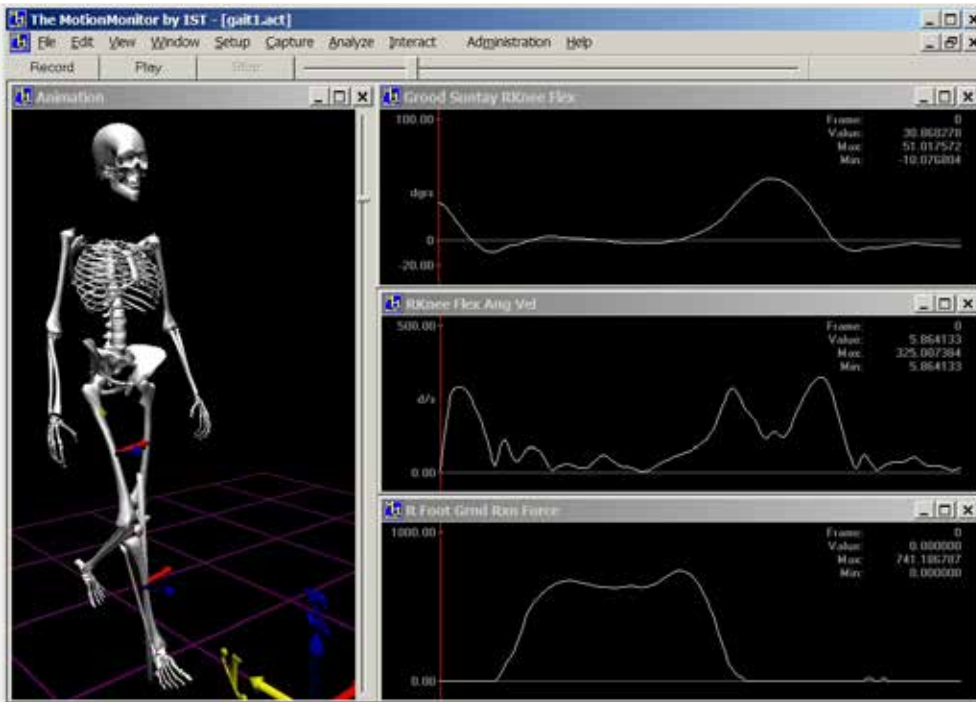


The MotionMonitor™

A complete turn-key data acquisition and visualization software



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

Applications range from gait and physical therapy, to sports medicine and sports training with teaching professionals in golf, tennis and baseball. 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.

System Benefit

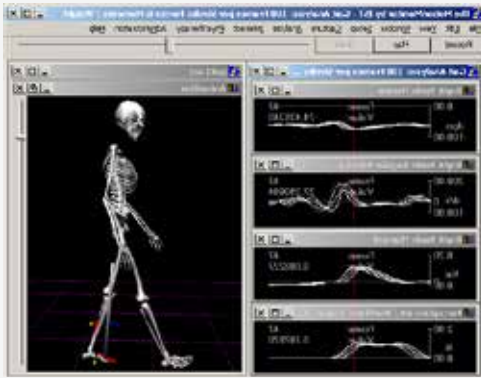
- Runs with portable or stationary computer with Windows 2000, XP or Vista
- Facility Licenced – no dongle

FEATURES

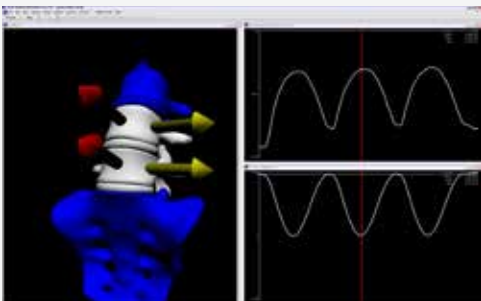
- Supports the C3D file format
- C3D Model builder
- Real-time data analysis
- Biofeedback, visual and audio
- Kinematic and kinetic data
- Preference Files and Scripted Protocols
- Data reduction functions
- Preference files

BENEFITS

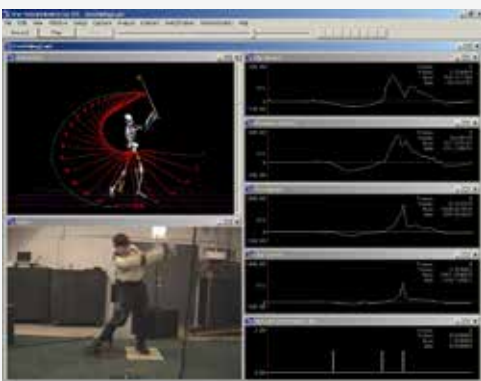
- Quick system setup and short learning curve
- Synchronous acquisition of data, from markers, force plates, EMG, eye tracker, video
- Easy and powerful generation of kinematic and kinetic data
- User-defined variables in real-time using standard mathematical notation
- Automzied event marketing, normalization and averaging data



Data generated from a rich collection of analytical tools are immediately available for playback with graphical displays of all data outputs.



The Qualisys device is placed under the Asset browser in MotionBuilder.



The Swing Trainer provides a scientific foundation for measuring and evaluating your motion.

Research

With a sophisticated, yet simple, flexible and intuitive setup process, extensive data reporting options including standard kinematic data and joint moments and forces, The Motion Monitor provides 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. 3-D computer-rendered animations of the subject can be viewed as a skeleton, stick figure, or humanoid. Real-time measurement of the human body's movement, muscle recruitment and external forces acting on the body is achieved using Qualisys Motion Capture Cameras.

Clinics

In The Motion Monitor, a suite of Physical Therapy applications provide clinicians with objective data regarding the patient's condition before and after therapy. The Motion Monitor track Range of Motion, Tremor, Cobb and Kyphosis Angles and performs Gait Analysis, Balance Assessment, Spine Assessment, Lift Training, Golf Analysis and Biofeedback Training 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 your motion and is designed for sports medicine labs, rehabilitation clinics and teaching. Together with Qualisys Motion Capture Cameras, this provides a complete analysis system 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 such important characteristics as shoulder rotation, club or bat speed, balance and center of mass.

Applications

The Motion Monitor provides maximum flexibility in managing and analyzing data collected by Qualisys Motion Capture Cameras. Some of the application areas are:

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

