

NORAXON®



myoRESEARCH®

A Versatile, User-Friendly
Biomechanics Analysis Software Platform



- Synchronize multiple assessment technologies
- View data in real-time
- Perform online + post measurement signal processing
- Customized reporting
- Biofeedback visual displays

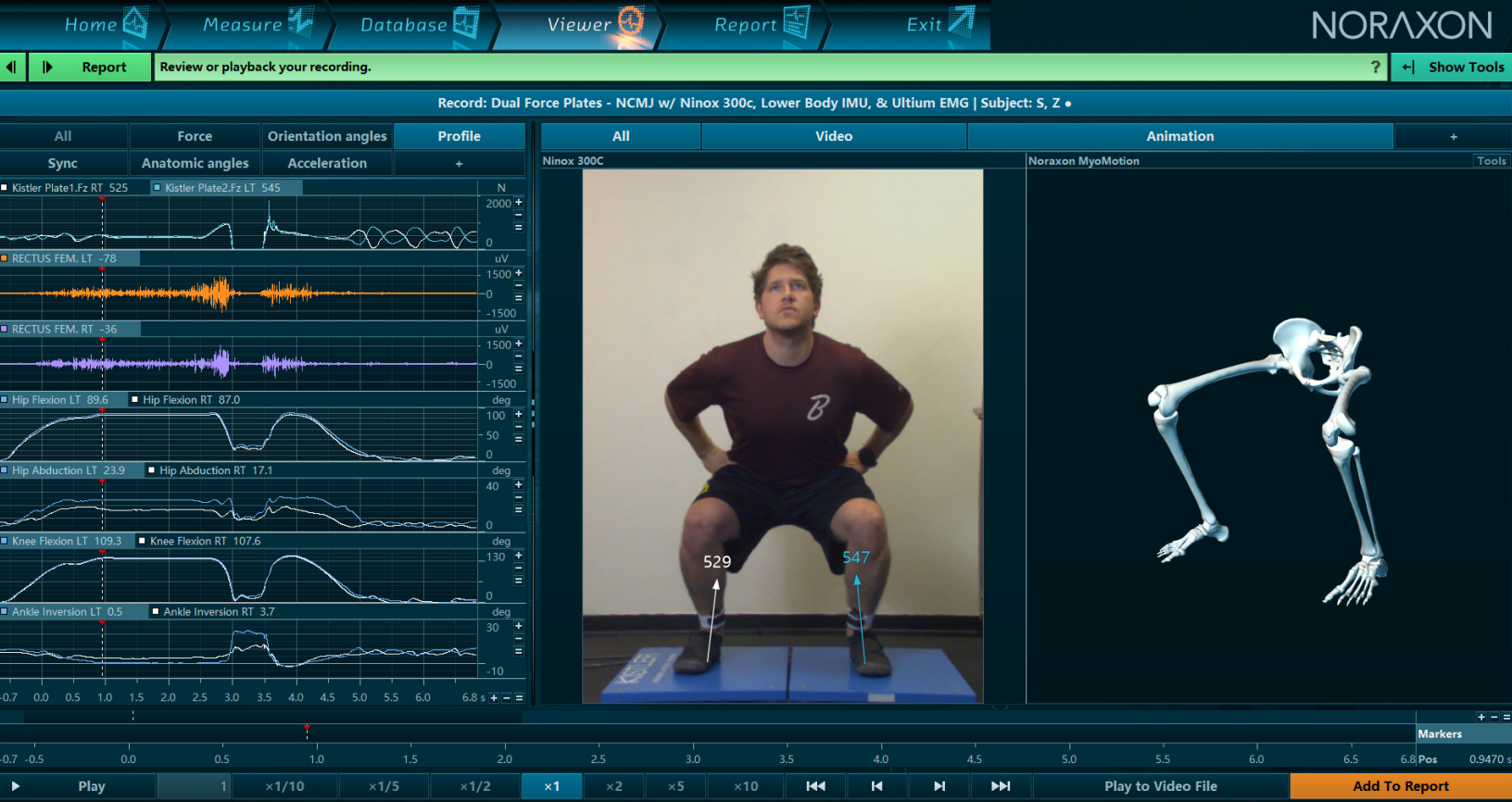
EMG

3D MOTION

SOFTWARE

PRESSURE/FORCE

VIDEO ANALYSIS



myoRESEARCH[®]

With MR3, data can be seamlessly collected and combined within a single software platform. MR3 allows for multiple device integration in a user-friendly workflow format.

Quickly select the devices to be used for your session and your data will be automatically time synchronized.

- Time synchronize measurement devices with myoSync
- User defined recording configuration settings
- Third-party hardware integration capabilities
- Multi-activity recording options
- Biofeedback session settings



myo MUSCLE™
Surface and Fine Wire EMG



myo MOTION™
Wireless Full Body 3D Kinematics



myo PRESSURE™
Gait, Stance and Jump Kinetics



myo ANALOG™
Third-Party Analog Signal Integration



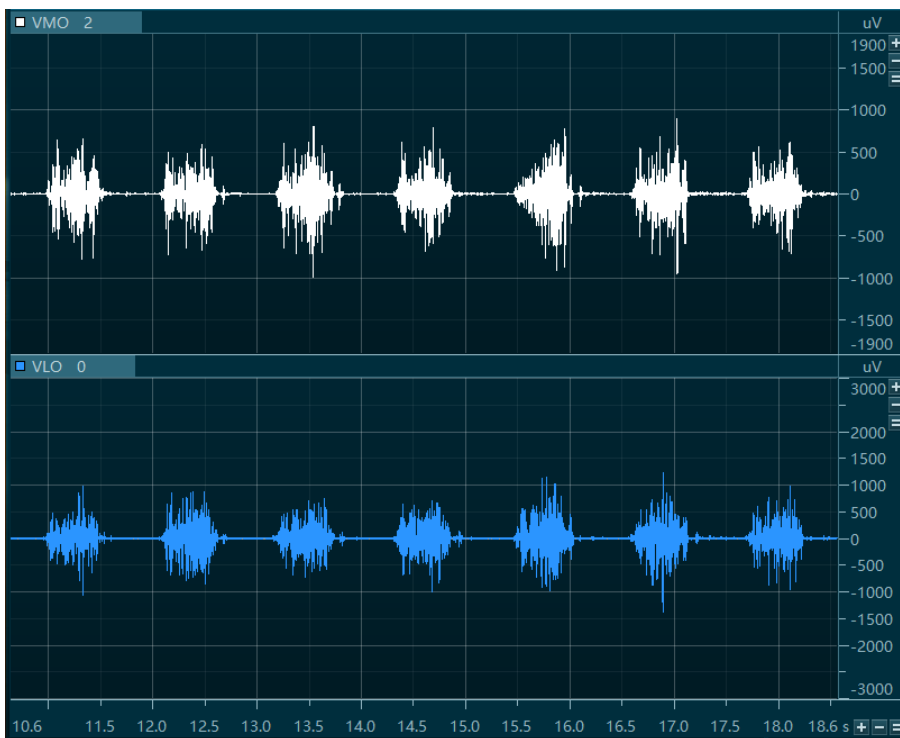
myo VIDEO™
Auto-Synchronize Video Data



myo FORCE™
3D Force Plates Analysis

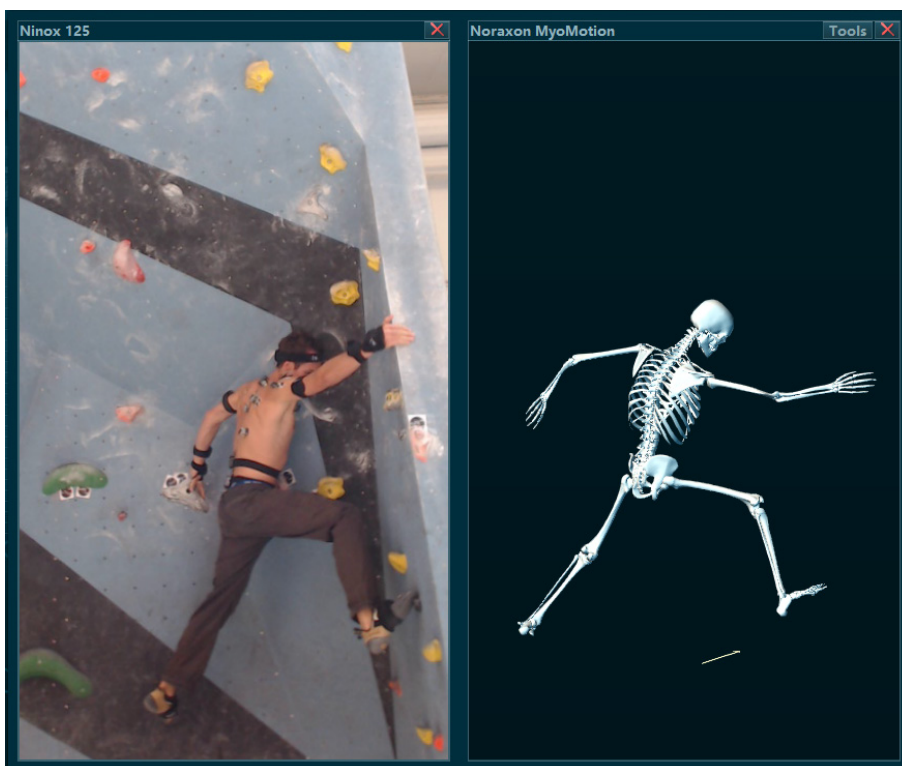
myoMUSCLE™

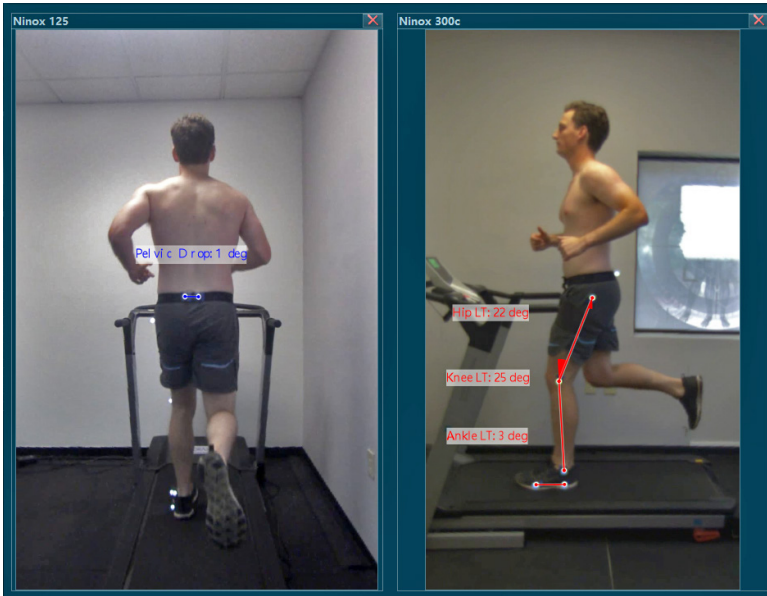
- Real-time capture and processing of EMG signals
- Suite of functions for EMG signal processing
- Frequency-fatigue analysis
- Spectrum analysis
- Wavelet toolbox



myoMOTION™

- Real-time capture of 3D kinematic data
- Full body kinematics
- Medically accurate avatar
- “Lossless” data functionality
- Contact detection
- Gait analysis
- Running analysis





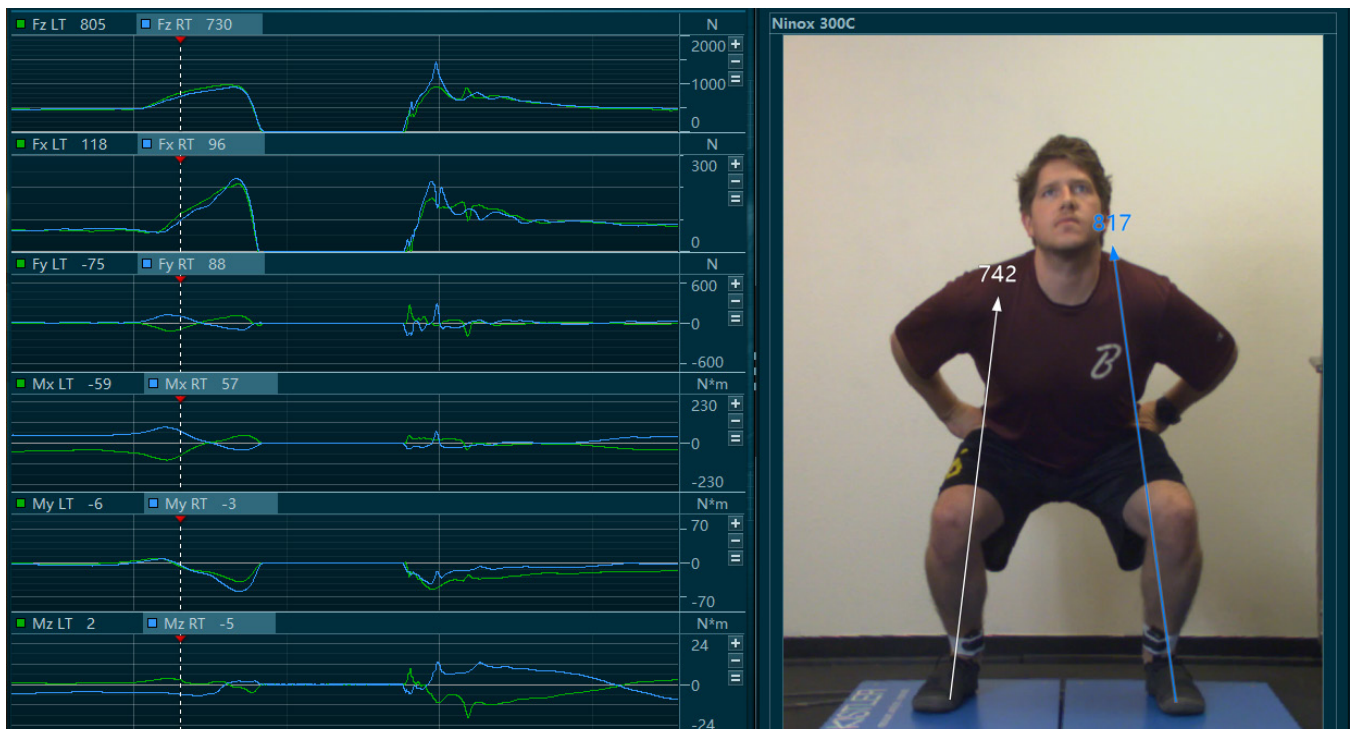
myoVIDEO™

- 2D reflective marker tracking
- Synchronization between multiple cameras
- Merging of externally recorded video (GoPro, Phantom, etc.)
- Force vector overlay
- Real-time and post-hoc video compression
- High-speed video capture

myoFORCE™

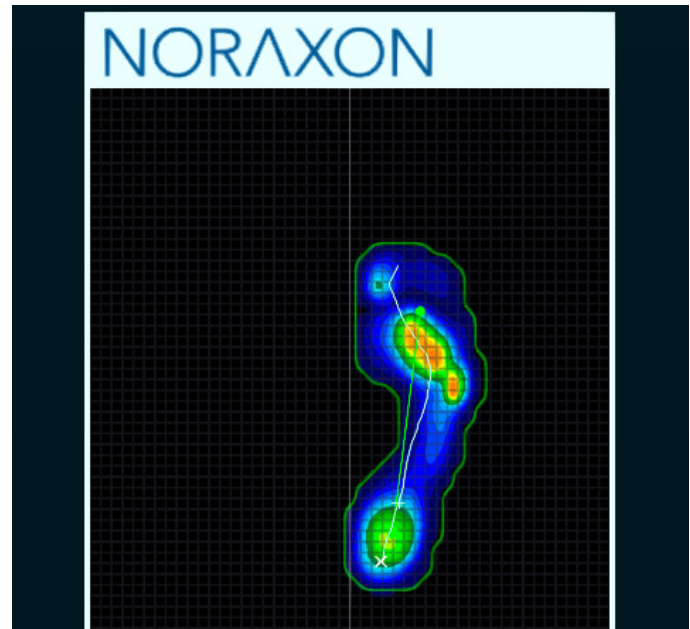
- Digital integration of Bertec and AMTI plates
- Analog integration of Bertec, AMTI, and Kistler plates (AIS system)
- Automated identification jump phases (loading, flight, landing)
- Real-time force vector overlay (FVO)
- Post-hoc FVO analysis
- Drop, counter, and non-counter movement jump identification

BERTEC **KISTLER** **AMTI**



myoPRESSURE™

- Integrate pressure insoles, plates, and treadmills
- Gait and stance analysis
- COP gait line and parameters
- Zone segmentation and force curves
- Timing and velocity statistics
- Estimated vertical force curve



myoANALOG™

- Integrate and synchronize any device that has an analog signal
- Capture data from isokinetic machines
- Capture data from custom made sensors
- Suite of standard functions for signal processing

