

INSIGHTS TO MOVE FORWARD

Xsens motion analysis systems offer unparalleled flexibility and accuracy when it comes to capturing movement of the human body. You can now easily capture laboratory-quality kinematic data like accurate 3D joint angles, segment positions, body accelerations and more - all at any place or time!

Our solutions are being used in:



BIOMECHANICAL RESEARCH



HUMAN FACTOR RESEARCH



SPORTS PERFORMANCE



SPORTS SCIENCE



WORKPLACE ERGONOMICS



REHABILITATION & INJURY PREVENTION

Xsens Motion Capture Solutions

Our goal is to enable you to get the most out of your motion capture setup. Whether you need to capture your whole body or only parts of a movement, all options are here for you. Make a full motion analysis or quickly assess the data in a report. Choose the setup that works best for you!

Hardware

Xsens Motion capture

We offer four mocap hardware options: MVN Link, MVN Awinda, MVN Awinda Starter and Xsens MetaGloves by Manus. Choose one according to your specific motion capture needs, application, and budget.



MVN Link

- Ideal for high dynamic movement measurements
- High update rate for extra accuracy
- On body recording and storage for ultimate freedom
- Sturdy sensor placement for ultimate freedom
- No data disturbance thanks to magnetic immunity



MVN Awinda

- Ideal for low dynamic motions
- For ultimate ease-of-use and efficient motion capture
- Fast setup time with adjustable straps
- Accurate and reliable motion capture
- Mocap everywhere, no magnetic disturbance



MVN Awinda starter

- More affordable - with Xsens quality
- Quick setup with easy and fast sensor placement
- Ideal for low dynamic motions
- Mocap everywhere, no magnetic disturbance



Xsens Metagloves by Manus

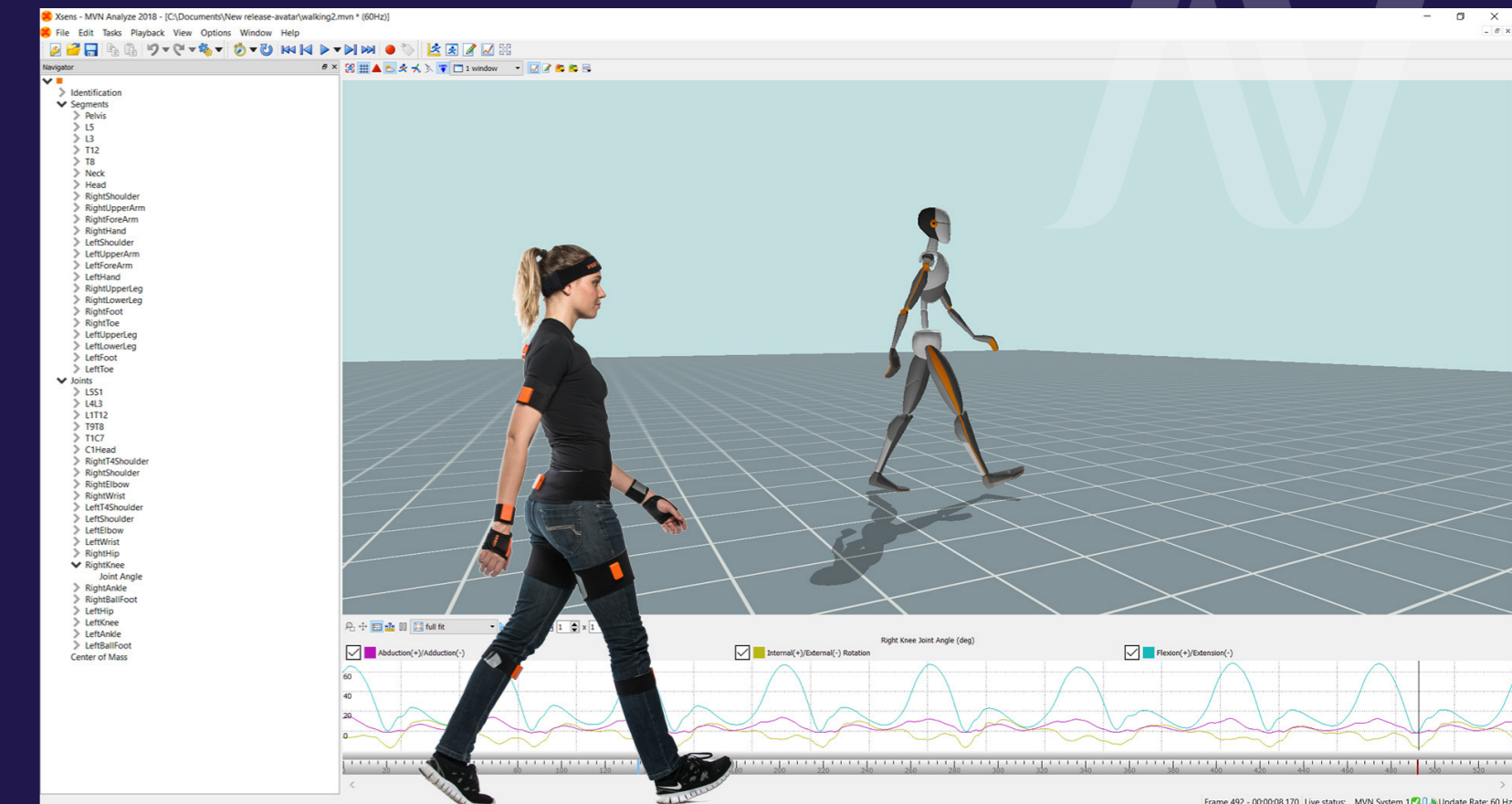
- Absolute, millimeter precise positional tracking in 3D-space
- Fast and accurate calibration only once
- Easily mount your Xsens sensors with the provided adapters
- Experience up to 3 hours of uninterrupted motion capture

Software

MVN Analyze

A validated solution to analyze human motion

MVN Analyze proprietary motion capture software lets you record and investigate the data from Xsens motion capture hardware systems. It provides real-time visualization of full body kinematic data – e.g. joint angles, segment orientations, center of mass and more.



MVN Record

- Free subscription
- Quick and easy recordings
- Multi-site motion capture
- Record functionality only

MVN Analyze

- Real-time visualization
- Validated, accurate and reliable data
- Record multiple subjects simultaneously
- Live stream or export into major softwares
- Full-body kinematics in multiple file formats

Integrations and plugins

Live stream or export your motion capture data seamlessly into your biomechanics, ergonomics, and analysis software, such as AnyBody, Visual3D, and Siemens PLM. We also provide plugins for finger tracking, EMG, positional aiding, and more. Please visit our integrations and plugins page to learn more at www.movella.com/integrations-overview

Research & Validation papers

Movella Technologies are helping universities and research institutes around the world to bring meaning to movement. You'll find details of use cases, research conducted using Movella products – as well as validation studies carried out by independent researchers on our website. Go to www.movella.com/research-validation

