

VICON

- Accurately capture complex gait models
- Easy to set-up, easy to use systems
- End-to-end solution, from data collection to reporting

Gait Analysis

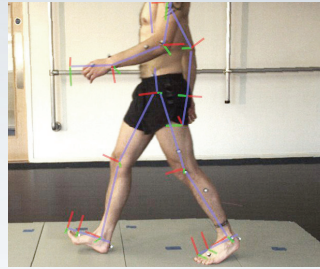
Industry-leading accuracy, high-resolution hardware, and flexibility offered in one fully-integrated solution.



"Gait analysis has greatly improved our understanding of gait problems in cerebral palsy. It enables us to evaluate the pathology more accurately before surgery and to assess our outcomes after surgery has been done and treatment of these children continues to improve."
Dr. James Gage, Gillette Children's Hospital, St. Paul Minnesota

A World in Motion.

Gait Analysis Accuracy and flexibility.



From assessing clinical patients to capturing accurate research data, Vicon provides a range of optical and digital video systems designed specifically to suit your needs in any Life Science or Gait environment.

Clinical and Research Applications

Clinically Accepted Models

Thousands of trials from sites all over the world have been captured and analyzed using Vicon solutions over the past 27 years, and Vicon is the clear choice for accurate data and application-specific flexibility. The protocol is well understood, clearly documented and thoroughly researched. From Vicon Clinical Manager (VCM) launched in 1992, to the release of the current Plug-in Gait, you can rely on Vicon as your trusted partner for industry-leading Gait research and analysis.

Complete and Integrated Solutions

Vicon can supply everything you need for your integrated gait analysis solution. Capture highly accurate movement information along with synchronized data streams from other measurement and video devices including force plates, EMG (Electromyography) systems, and reference digital videos, all accessed through one easy-to-use Vicon software platform. Save time and effort by purchasing your force plates and EMG systems directly through Vicon, as we are distributors for the highest quality brands of these components in the world.

Applications

As the industry leader in motion analysis, Vicon has been used clinically to assist physicians, surgeons and physical therapists in over 50 countries worldwide, assessing patients with a wide array of pathologies affecting motion. Common applications include the assessment of cerebral palsy, injury, stroke, prosthetics/orthotics, Parkinson's disease, and sports performance analysis.

Technology

Bonita

Building on years of innovation, Bonita is the latest generation of Vicon optical capture camera. Our smallest camera reliably captures precise motion data for smaller labs at an affordable price.

T-Series

Ranging from 1 megapixel all the way up to 16 megapixels, 2D on-board tracking and streaming grayscale data through system-wide gigabit Ethernet, the T-Series is like no other. It's the attention to detail that gives T-Series its technical edge. From pixel to processor, sensor to strobe, everything is engineered to work beautifully.

Clinical Software

Nexus

No other software package makes it so easy for users to perform daily routine tasks while at the same time offering complete customization and flexibility to suit any situation. This allows you to focus more on your research and less on your software.

The latest version of Nexus includes new features and workflow improvements designed to enhance your software's functionality.

Polygon

Vicon's unique reporting software, Polygon, is fully integrated with our data recording software, enabling your gait analysis data to be visualized as soon as a walk has been completed. Polygon reports incorporate data captured in Nexus including joint angles, moments, and powers, along with text files, data tables, AVI files, pictures, and even web pages to give you complete customizability. Any report can be saved as a template, improving efficiency and ensuring you spend more of your time with patients rather than re-creating the same reports. Polygon can also average data, allow you to build a normative database, make comparisons between multiple subjects, display muscle modeling, and can be exported to Microsoft Word, pdf or HTML.

Bodybuilder

In addition to clinical gait analysis, Vicon systems can also be used to conduct research in Biomechanics. Vicon BodyBuilder Software is designed specifically to make the creation and implementation of custom biomechanical models quick and easy. Combining the powerful scripting language, BodyLanguage, and intuitive user interface, BodyBuilder is currently in use at over 300 sites worldwide. Models created in Vicon BodyBuilder can run within the Nexus pipeline.

Discover More

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