

Resource Summary Report

Generated by [dkNET](#) on Apr 27, 2025

Nexus

RRID:SCR_015001

Type: Tool

Proper Citation

Nexus (RRID:SCR_015001)

Resource Information

URL: <https://www.vicon.com/products/software/nexus>

Proper Citation: Nexus (RRID:SCR_015001)

Description: Data capture software for use with Vicon motion capture system. Its features include MATLAB integration, Python pre-installed, customized workflow, and automated quality assessment.

Synonyms: Nexus 2, Nexus 1.8.5, Nexus 2.5.0, Nexus 2.4.0

Resource Type: data acquisition software, software application, software resource, data processing software

Keywords: biomechanics, motion capture

Funding:

Availability: Available for download

Resource Name: Nexus

Resource ID: SCR_015001

Alternate URLs: <https://www.vicon.com/downloads/core-software/nexus>

Record Creation Time: 20220129T080323+0000

Record Last Update: 20250426T060441+0000

Ratings and Alerts

No rating or validation information has been found for Nexus.

No alerts have been found for Nexus.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 318 mentions in open access literature.

Listed below are recent publications. The full list is available at [dkNET](#).

Coomber AL, et al. (2025) A pangenome analysis reveals the center of origin and evolutionary history of *Phytophthora infestans* and 1c clade species. *PloS one*, 20(1), e0314509.

Eijking HM, et al. (2025) Image-based robotic (ROSA® knee system) total knee arthroplasty with inverse kinematic alignment compared to conventional total knee arthroplasty : Study protocol and the inverse kinematic alignment in 8-steps using the ROSA® Knee system for knee balancing technique explained. *Journal of orthopaedic surgery and research*, 20(1), 47.

Anaya-Campos LE, et al. (2025) Motion Smoothness Analysis of the Gait Cycle, Segmented by Stride and Associated with the Inertial Sensors' Locations. *Sensors (Basel, Switzerland)*, 25(2).

Nakka S, et al. (2025) A novel LC-TQ-MS/MS method for quantifying mefenamic acid-NDSRI (N-nitroso drug substance-related impurity) in mefenamic acid tablet and pediatric suspension dosage forms: a comparative study with a cost-effective white, green, and blue UPLC method. *RSC advances*, 15(3), 1957.

De Vlieger D, et al. (2025) Speed-dependent changes in the arm swing during independent walking in individuals after stroke. *PloS one*, 20(1), e0315332.

Chen D, et al. (2025) Identifying the Primary Kinetic Factors Influencing the Anterior-Posterior Center of Mass Displacement in Barbell Squats: A Factor Regression Analysis. *Sensors (Basel, Switzerland)*, 25(2).

Manesh SB, et al. (2024) Compensatory changes after spinal cord injury in a remyelination deficient mouse model. *Journal of neurochemistry*.

Zanguie H, et al. (2024) Mechanical energy flow analysis in athletes with and without anterior cruciate ligament reconstruction during single-leg drop landing. *Scientific reports*, 14(1), 1321.

Sun Y, et al. (2024) Synthesis and mutagenic risk of avanafil's potential genotoxic impurities. *RSC advances*, 14(30), 21432.

Senden R, et al. (2024) Normative 3D gait data of healthy adults walking at three different speeds on an instrumented treadmill in virtual reality. *Data in brief*, 53, 110230.

Rantakokko M, et al. (2024) Gait Features in Different Environments Contributing to Participation in Outdoor Activities in Old Age (GaitAge): Protocol for an Observational Cross-Sectional Study. *JMIR research protocols*, 13, e52898.

Liang S, et al. (2024) Age affects the dynamic interaction between kinematics and gait stability. *Frontiers in bioengineering and biotechnology*, 12, 1370645.

Bocheng C, et al. (2024) Effects of 16 weeks of plyometric training on knee biomechanics during the landing phase in athletes. *European journal of sport science*, 24(8), 1095.

Ishii Y, et al. (2024) Evaluation under loading detects medial meniscus extrusion in patients with reconstructed anterior cruciate ligament and restricted knee extension. *Journal of medical ultrasonics* (2001), 51(4), 655.

Mohr M, et al. (2024) An 8-week injury prevention exercise program combined with change-of-direction technique training limits movement patterns associated with anterior cruciate ligament injury risk. *Scientific reports*, 14(1), 3115.

Fischer BC, et al. (2024) Matriline and Oxymatriline: evaluating the gene mutation potential using in silico tools and the bacterial reverse mutation assay (Ames test). *Mutagenesis*, 39(1), 32.

Nasri A, et al. (2024) Lower-extremity inter-joint coordination variability in active individuals with transtibial amputation and healthy males during gait. *Scientific reports*, 14(1), 11668.

Ayoub E, et al. (2024) Head and pelvis are the key segments recruited by adult spinal deformity patients during daily life activities. *Scientific reports*, 14(1), 21716.

Torvinen P, et al. (2024) Evaluation of 3D Markerless Motion Capture System Accuracy during Skate Skiing on a Treadmill. *Bioengineering (Basel, Switzerland)*, 11(2).

Meisburger SP, et al. (2024) Scaling and merging macromolecular diffuse scattering with mdx2. *bioRxiv : the preprint server for biology*.