

- ✓ Wearable
- ✓ Easy to use
- ✓ Symmetry indices
- ✓ Spatio-temporal param.
- ✓ 3D joint angles

## Gait Analysis 3D

A NEW AND INNOVATIVE SOLUTION FOR GAIT ANALYSIS

# GAIT ANALYSIS 3D

Evaluation of motor problems

everywhere, in no time



## Wearable

Wireless, non invasive,  
no external infrastructure



## Fast & Easy

Wear, calibrate, record  
and analyze



## Accurate

Validated with gold-standard  
optoelectronic system

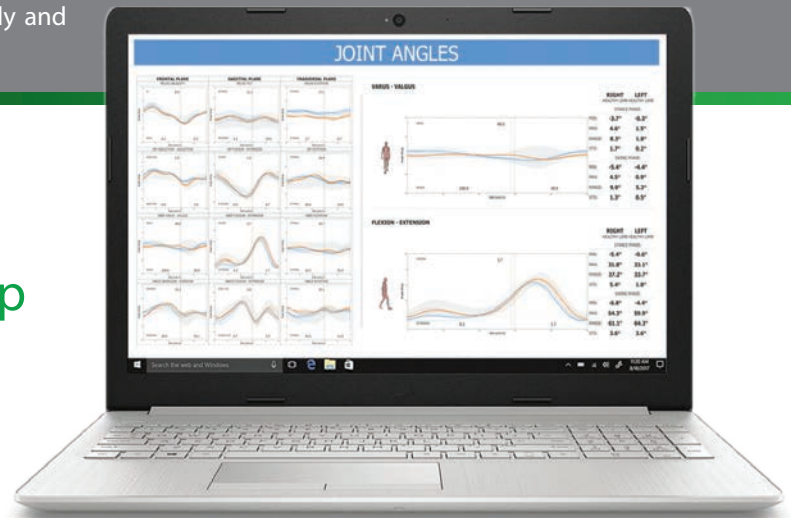


## Innovative

Fast as a wearable.  
Accurate as an optical.  
3D visualization in real time  
Video sync

The Movit System G1 - Gait Analysis 3D introduces a new approach to motion analysis with detailed and automated report of the most important gait parameters. Put the system on the patient's body and analyze the human gait in a practical and objective way.

Follow your patient, step by step



## Outcomes



### SYMMETRY INDICES

Stride time  
Step time  
Stance phase time  
Single support time  
Double support time  
Stride length  
Step length  
Shock impact shank  
Shock impact foot



### SPATIO-TEMPORAL

Stride time  
Step time  
Stance phase time  
Swing phase time  
Single support time  
Double support time  
Stride length  
Step length  
Shock impact shank  
Shock impact foot  
Cadence  
Speed



### 3D JOINT ANGLES

Pelvis – Obliquity  
Pelvis – Tilt  
Pelvis – Rotation  
Hip – Abduction/Adduction  
Hip – Flexion/Extension  
Hip – Rotation  
Knee – Varus/Valgus  
Knee – Flexion/Extension  
Knee – Rotation  
Ankle – Inversion/Eversion  
Ankle – Flexion/Extension  
Ankle – Rotation



### 3D ANIMATION

3d animation file generation  
BVH export  
Movements reproduction  
Slow motion feature

# GAIT ANALYSIS 3D



## Real time graphs

Raw data and joint angles in real time



## 3D visualization

3D environment to observe the movements from any point of view



## Reporting

Automated and complete report in PDF and CSV files.



## Camera sync

Record a video stream synced with data.

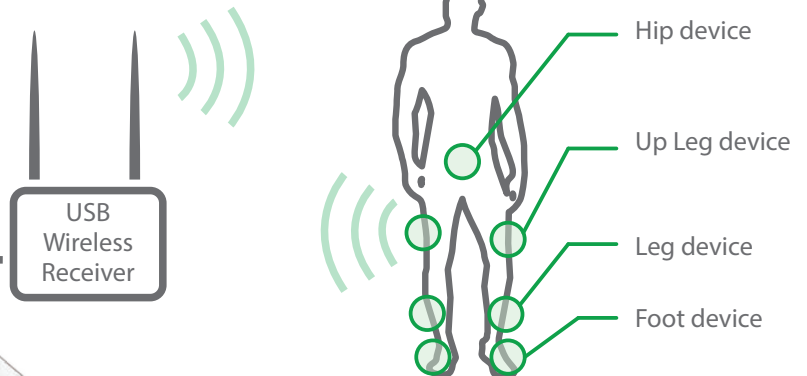
## The system

The Movit System G1 - Gait Analysis 3D is a wearable wireless motion capture system composed by a network of small inertial devices (Movit G1) and an usb receiver (Dongle G1).



## Anchor points

Through wearable supports and a quick coupling/release system you can easily place devices on the subject. Put the devices on your patient's lower body parts: pelvis, up-legs, legs, foots and start with the analysis.



## VALIDATED

Performance of the Movit System G1 - Gait Analysis have been compared with opto-electronic systems (gold standard) to demonstrated their



## 200 Hz

Up to 200 samples per second by choosing the data logging mode, otherwise you can streaming your data up to 100 Hz in real time.



## SYNCED DATA

The Movit System G1 - Gait Analysis 3D allows you to have raw data, joint angles, animation and video flow all synchronized with each other for a simple and complete analysis.



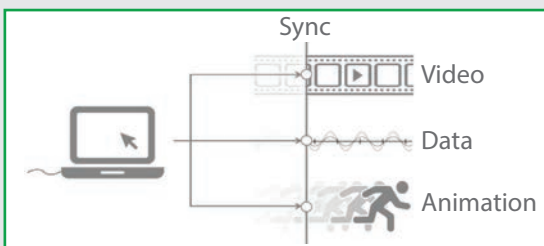
## PATENTED

A patented an innovative calibration method permits a quick and easy setup. You can record movements without risk of electromagnetic interferences.



## HIGH SPEED CONNECTION

We developed a proprietary high speed and high performance wireless connection to overcome the limits of bluetooth and allow the perfect synchronization between several devices.





### REMOTE ASSISTANCE

By purchasing Movit System G1 - Gait Analysis 3D you get free remote support for the installation and first trials. We want you to feel confident quickly. With the instructions and tutorials provided and our supervision, it will be up and



### LICENSE

By purchasing Movit System G1 - Gait Analysis 3D you get a life-time license for your system. No annual fees.



### ANY REQUIRED COMPUTERS SPECS?

The Movit System G1 - Gait Analysis 3D requires a few minimum computer specifications to ensure a smooth operation:

- Laptop or desktop computer
- Windows 8.1 or 10 or greater
- Intel i5 or i7 processor
- 8GB RAM
- 1 USB port
- Mid-range NVIDIA graphic card recomm.
- Full HD resolution recommended



### WHAT'S IN THE BOX?

The Movit System G1 - Gait Analysis 3D includes everything you need to setup your new system:

- Wearable devices
- USB Wireless receiver
- Calibration tool
- Cables
- Wearable supports (elastic bands)
- Recharging USB HUB
- Software installation files
- Tutorial videos

Visit our site and discover all our solutions.

Movit System G1 - 3D Edition

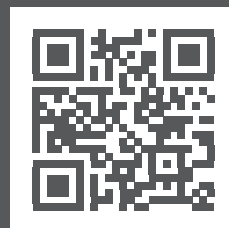
Movit System G1 - Raw Edition

Movit System G1 - Jump Analysis

Movit System G1 - Sway Analysis

Movit System G1 - Sway Analysis + Platform

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