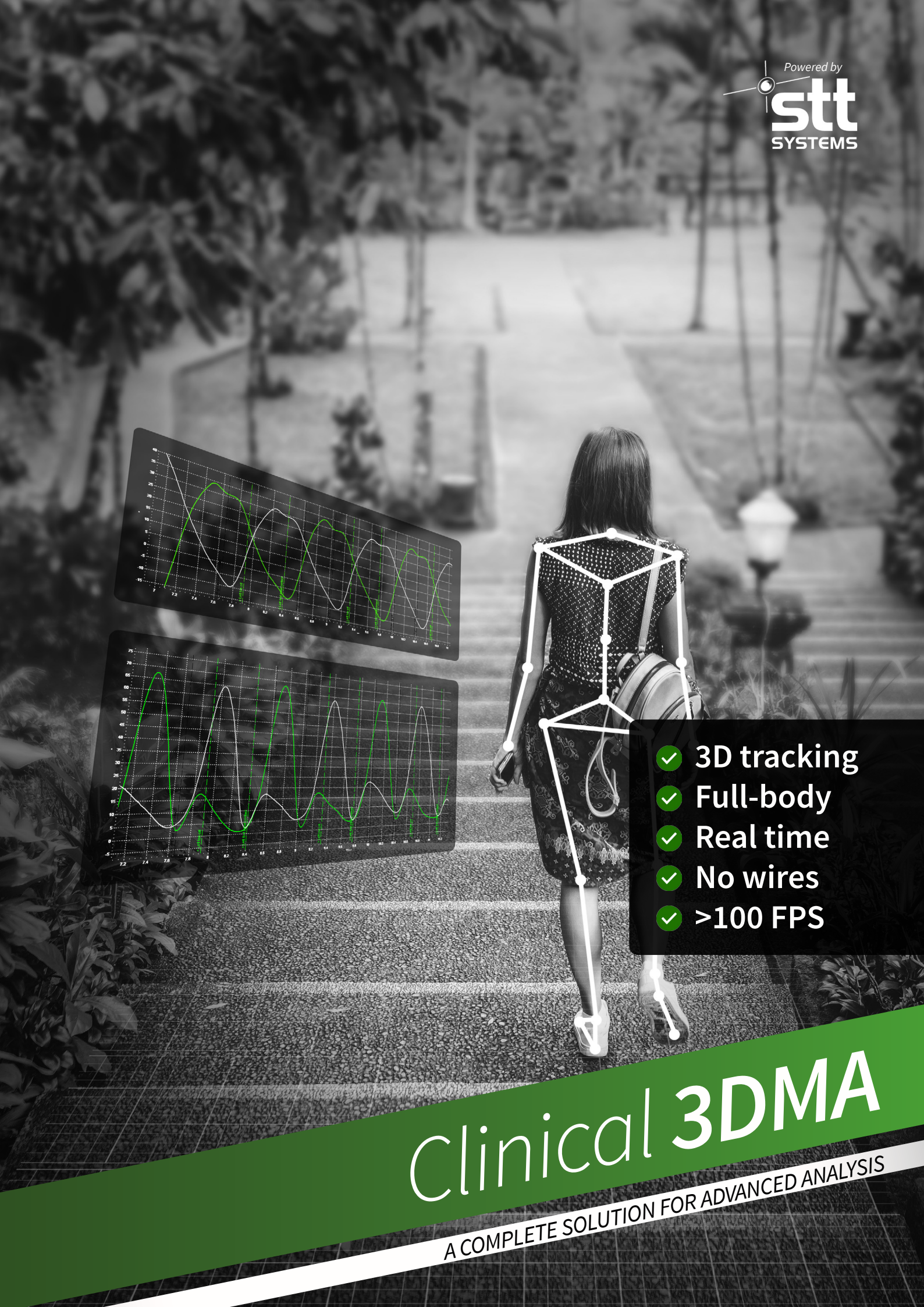
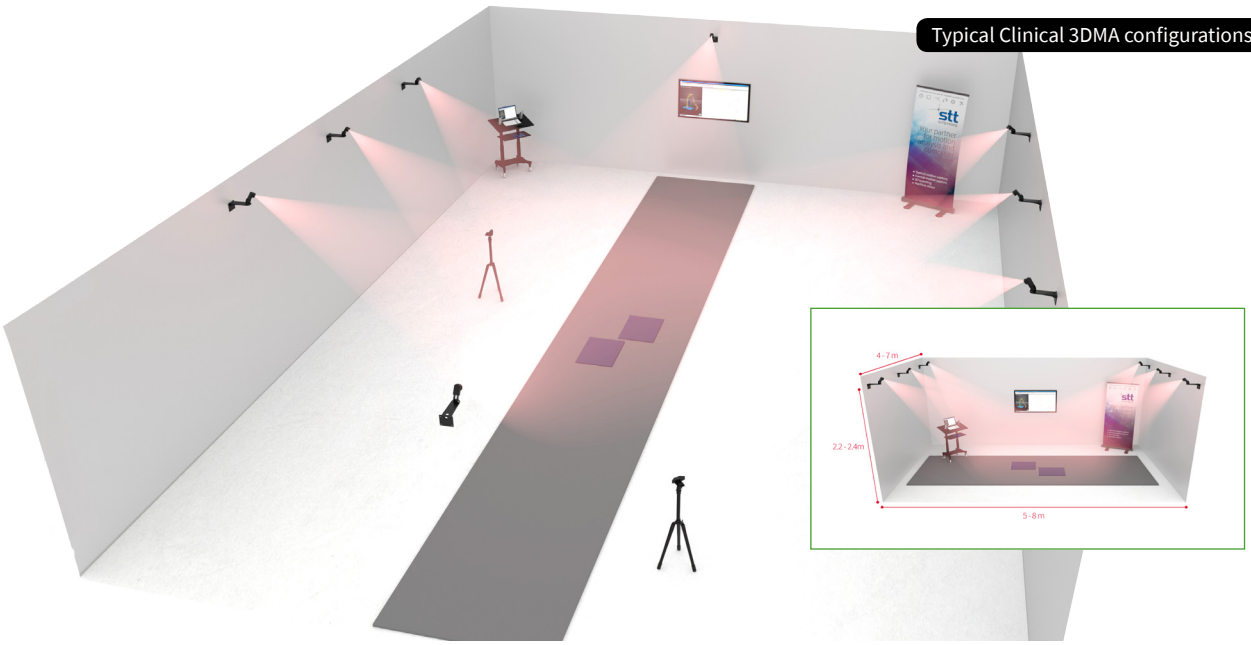

Powered by
stt
SYSTEMS
3D tracking
Full-body
Real time
No wires
>100 FPS
Clinical 3DMA
A COMPLETE SOLUTION FOR ADVANCED ANALYSIS




Typical Clinical 3DMA configurations

# 3D Motion capture

Clinical 3DMA belongs to a family of products built upon '3DMA', a powerful 3D motion capture engine used by biomechanists, sport scientists, PT and doctors all over the world through its various packages.

In particular, Clinical 3DMA is taylored to meet the requirements of PT and doctors. The system can work simultaneously with third-party devices like surface EMG's, force plantes or pressure plates. The data is synchronized and displayed on the system interface.

Interested in research? This package also offers data export functionalities (biomechanical parameters in CSV files, marker trajectories)

### REAL-TIME ANALYSIS

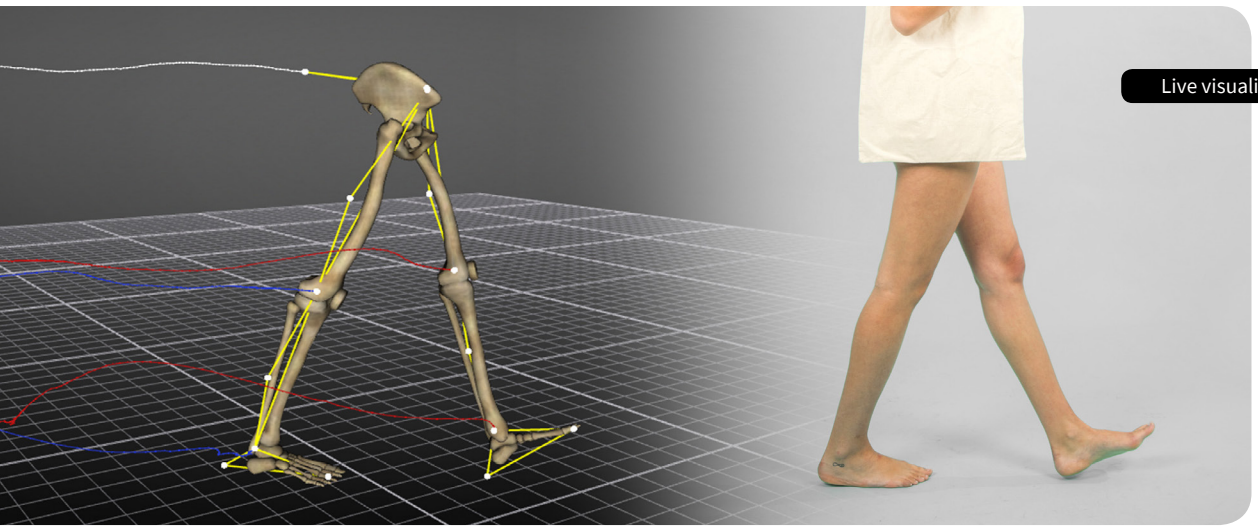
Data sets are presented **live and automatically**: Parameters, graphs and 3D views. Get immediate feedback for any **dynamic adjustment** of the bike.

### TRUE 3D: A FULL 360° VIEW

Motion capture cameras track markers in **3D space** which are used to reconstruct the actual body motion. Use **pan, tilt and zoom** tools to move around at will.

### PRECISION & ACCURACY

A well-calibrated system boasts **millimetric precision and accuracy** in marker tracking. Seamlessly detect 1-2 mm marker shifts anywhere in the 'capture volume'!



Live visualization of 3D motion

### >100 FPS

The data is acquired, processed and displayed to the user at a frame rate of 100 Hz/FPS (Frames Per Second). For instance a person walking at a 120 steps/min cadence would register 50 'takes' per step, resulting in a smooth interpolation.

### FULL-BODY ANALYSIS

After a few seconds, Cycling 3DMA provides tracking data and automatic analysis of the entire body: yes, on every joint.


# A wealth of data

The amount of information provided by a 3D motion capture system is huge, sometimes overwhelming. A great deal of effort has been put into offering simple tools to easily manage, visualize and ultimately use that information. Some of the software features are:

**Database**
Subject records
Export/import
Autosave feature

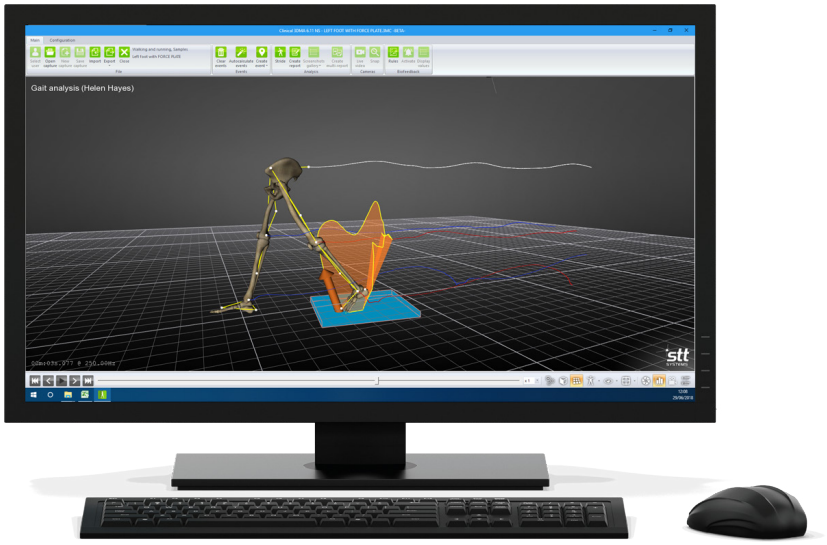
**Time graphs**
Variables vs time
Spatial curves
Moving statistics

**Dashboard**
Real-time data
Averages
Adjustable range

**3D visualization**
Body simulation
Trajectories
Angles

**Reporting**
Print-ready
Customizable
Add your text

**Integrations**
Force plates
Surface EMG
Pressure plates




# Analysis protocols

Cycling 3DMA includes a set of user-ready 'analysis protocols'. What exactly are these? Protocols are a *combination of software tools taylored to analyze a specific gesture or sport*.

Each protocol involves a marker configuration, a list of graphs, relevant biomechanical parameters, certain events calculated automatically, a dashboard and a report template. All of these are carefully designed and work together to facilitate the user's job. The goal: to move from data collection on to data processing and result display as fast as possible.

- Gait analysis on adults
- Gait analysis on children
- Running analysis (lower body)
- Basic full-body tracking
- Cervical analysis
- Lumbar analysis
- Shoulder analysis
- Ankle analysis (one or both)
- Other joints (wrists, hips...)

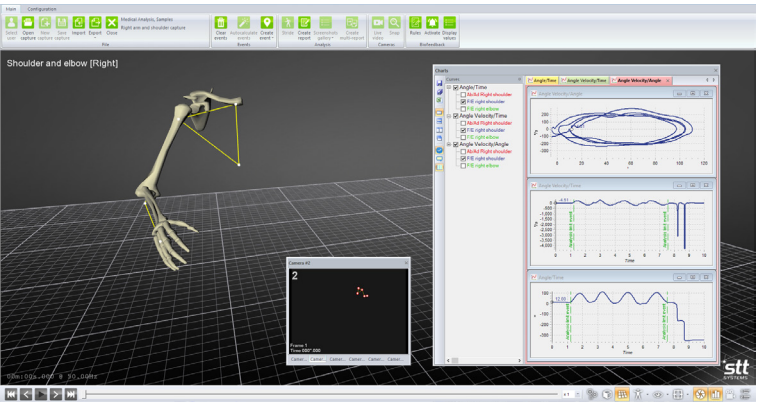
# We back you up

## REMOTE ASSISTANCE

By purchasing Cycling 3DMA you get *free*, *unlimited* 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 running in no time.

## FREE SOFTWARE UPDATES

Existing users get *free updates*. For good. With no annual fees. There is roughly one major update every year, and a few minor updates. With this free-for-all policy, you'll always enjoy the latest enhancements and functionalities at no cost.




## WHAT'S IN THE BOX?

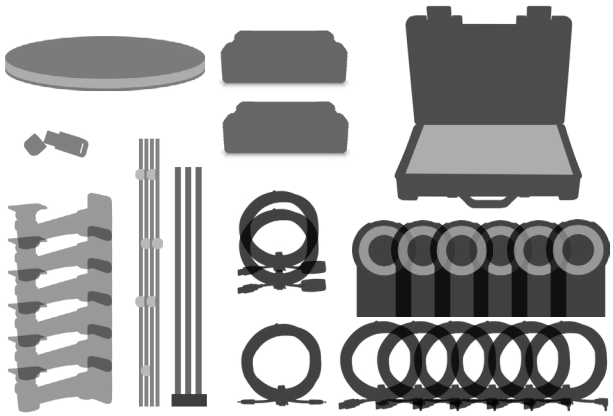
The standard package includes everything you need to set up your new 3D system:

- Mocap cameras, cabling and sync devices
- Calibration tool
- Marker set and tracking accessories
- Software security dongle
- Software installation files
- Camera wall mounts or tripods
- Optionally, the computer

## ANY REQUIRED COMPUTER SPECS?

Cycling 3DMA requires a few minimum computer specifications to ensure a smooth operation:

- Laptop or desktop computer
- Windows 7, 8.1 or 10 (Windows 10 preferred)
- Intel i5 or i7 processor (Intel i7 preferred)
- 8GB RAM (16GB welcome, not strictly required)
- 2 or 3 available USB ports
- Mid-range NVIDIA graphic card recommended
- Large screen recommended (24" on)



**STT Systems**
www.stt-systems.com
info@stt-systems.com

Parque Empresarial Zuatzu
Edificio Easo, 2-planta
20018 - San Sebastián (Spain)
Phone: (+34) 943 31 77 77

**Follow us in social media:**

STTSystems
@STTSystems
STTSystems
STT.Systems
STT-Systems

*STT works since 1998 on Motion Capture & Motion Analysis technologies*