



INDEPENDENT **BIOMECHANICS**



## ACCURATE, SCIENTIFIC, DETAILED. FIT4BIKE PRESENTS 3DMC.

*Fit4bike presents the innovative 3D motion capture and analysis system. A reliable professional motion analyser for dynamic fitting. It integrates 3D motion capture technologies and cycling biomechanics expertise to ensure the most precise and scientific dynamic fit.*

**Madrid (Spain), March the 4<sup>th</sup> - Fit4bike** engineering lab together with a cadre of specialists from different fields developed a scientifically **accurate** 3D motion capture and analysis system, merging medical 3D motion technologies and cycling biomechanics expertise. It consists in an advanced tool and a powerful easy-to-use software that allow quickly understanding the **big picture** and the **detail**.

3 are the key points of the Fit4bike's 3DMC:

**ACCURACY** is not subject to compromises for a leading edge fitting service, the better we measure the more we see, therefore the more we are capable to do and to learn. Fit4bike 3DMC has a 100FTP resolution and maximum error of  $\pm 0,2\text{mm}$  for bike fitting applications, simply not comparable with 3D animation technology accuracy levels.

**BIG PICTURE** is key. The cyclist must be understood in its entirety. For this purpose Fit4bike's 3DMC captures the whole body at once and allows watching how the skeleton moves in real time as well as having an overview of the most important parameters.

**DETAIL.** The excellence is on the detail. Besides accuracy, we need to read the right parameters on the right moment. Fit4bike's 3DMC has a broad list of parameter including conventional as well as Fit4bike's unique ones, and allows reading maximum and minimums as well as instant values.

A professional bike fitting improve comfort and lower chance of injury, improve the performance by producing better power and have better endurance, improve technique and make more conscious on the equipment selection.



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## KEY FEATURES:

- Entire body capture in 3D and real time data display.
- 3D display of the capture.
- Frontal, lateral, rear and rising up view for a quick analysis of asymmetries.
- No wires on the cyclist and between the cyclist and the system.
- Overview display with maximums and minimums for all parameters.
- Customizable parameter display. Therefore compatible with most fitting protocols.
- Detailed curves of value variation over the time/pedal-stroke for every parameter.
- Automatic fitting report including customized overview parameters and custom fitter information and logo.
- Automatic cyclist report including all bicycle measurements and custom fitter information and logo.
- Portable.

## WHAT'S INCLUDED IN THE PACKAGE:

- 4 Infrared motion capture cameras
- Suitcase
- Cyclist reflective marker set
- Bicycle reflective marker set
- 1000 Marker adhesives
- 1 Software license (unlimited)
- 1 Calibration tool
- 1 Hub USB
- Installation + 4h Applicative course
- Free software updates for the first year
- Free technical support for the first year

## CONTACTS FOR MORE INFO:

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