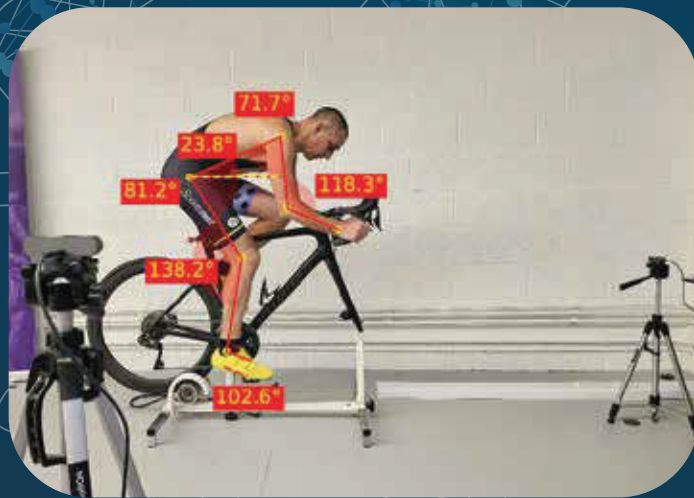


# GaitON<sup>®</sup>

by auptimo



## Bike Fitting Analysis

**GaitON<sup>®</sup>** is trusted by **500+ clinicians**  
globally for gait & posture analysis

**Is your center GaitON ready?**

# WORKFLOW

A 3 step process to complete a biomechanical assessment

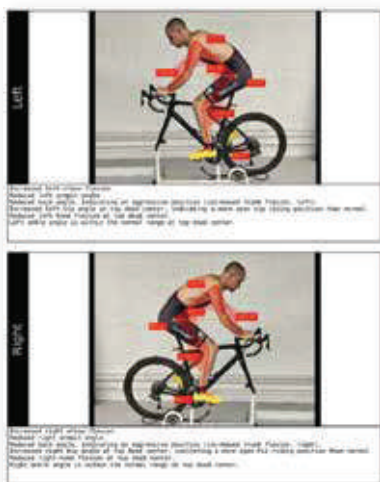
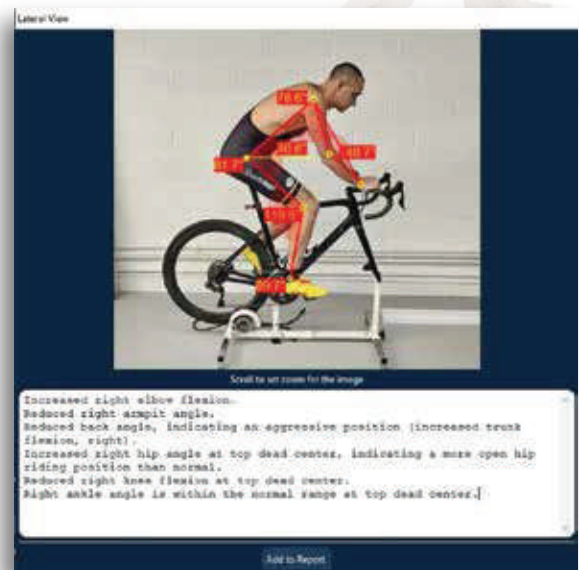


## 1. CAPTURE

Capture the motion of the cyclist using cameras.

## 2. ANALYZE

Use GaitON's inbuilt bike fitting module for analysis.



## 3. REPORT

GaitON exports the analysis result to well organised and print ready reports.

# BIKE FITTING ANALYSIS

GaitON® bike fitting software is used by 500+ clinicians globally for a detailed bike fit assessment. It helps in adjusting the bike as per the rider's body measurements, flexibility, riding goals, and any existing injuries.

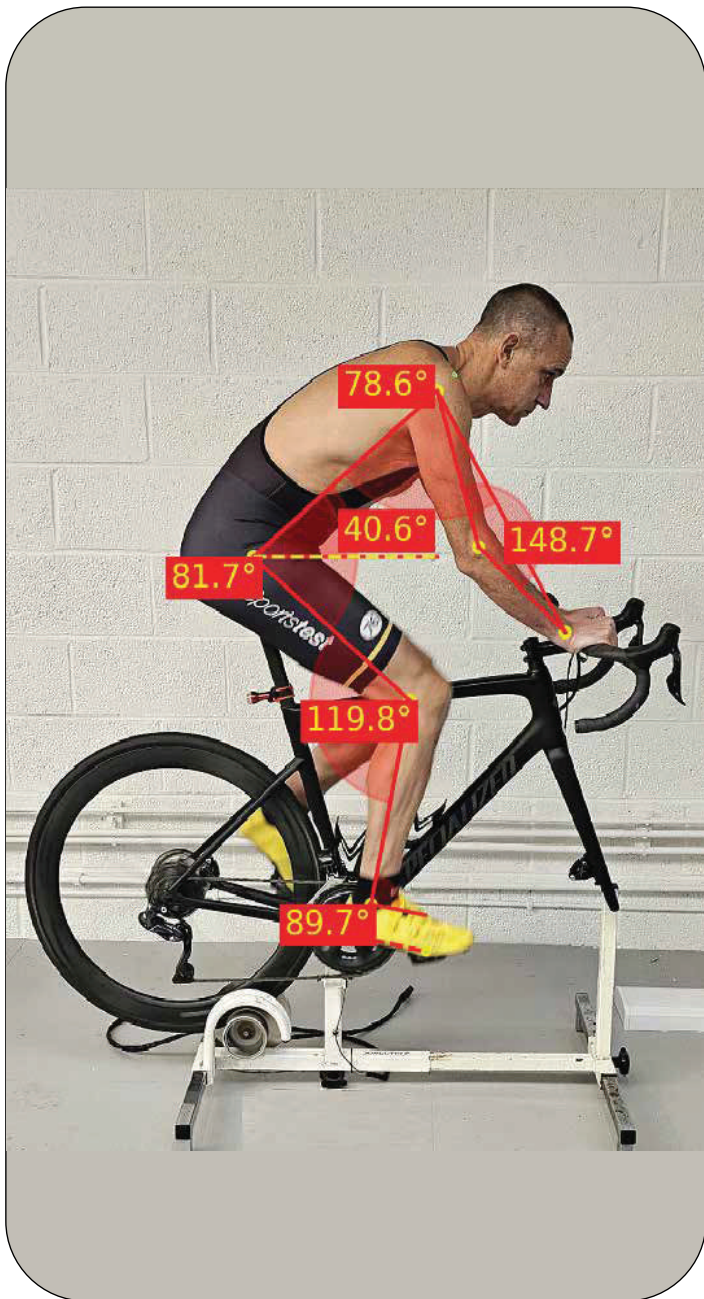


Image Credits: Stanley Sports Ltd.

## VIEWS ANALYZED



## LATERAL AND ANTERIOR VIEW

## POSITIONS

ROAD, MTB, TT, TRIATHLETE

# BIKE FITTING REPORTS : KEY FEATURES

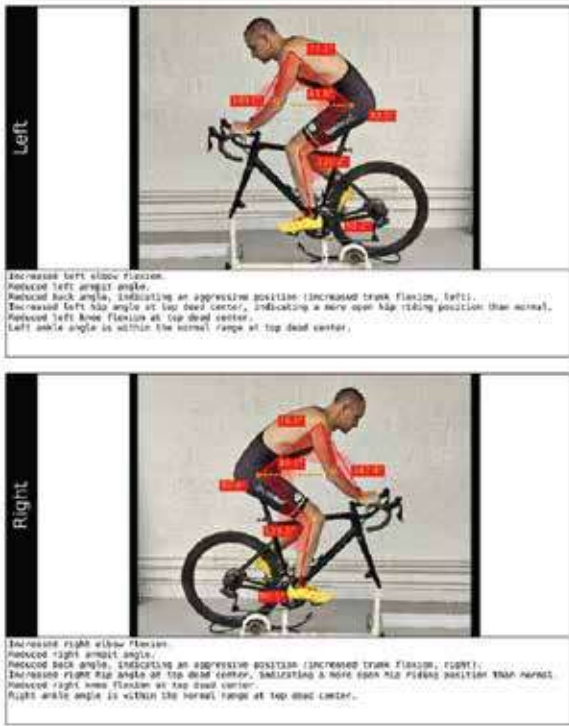
A detailed report with reference values and with different fit positions (Road, MTB, TT, Triathlete).

KINEMATIC DATA			
LATERAL VIEW			
	Right	Left	Reference Value
<b>Arm/El</b>			
Upper Arm Angle (Min)°	84.2°	81.8°	72° to 80°
Upper Arm Angle (Max)°	109.8°	106.2°	95° to 103°
Upper Arm ROM	25.7°	24.9°	15° to 23°
<b>Wrist</b>			
Wrist Angle (Min)°	22.3°	20.7°	65° to 72°
Wrist Angle (Max)°	34.0°	34.1°	34.0° to 34.5°
Wrist ROM	-1.7°	-1.4°	-1° to 0.5°
<b>Hip</b>			
Hip Angle (Min)°	65.0°	66.3°	51° to 65°
Hip Vertical Offset	6.6 cm	2.8 cm	-4.0 cm to 5 cm
<b>Trunk/Ankle</b>			
Back Angle (Average)	41.8°	41.8°	45° to 55°
Ankle Angle (Average)	87.2°	81.9°	80° to 90°
Elbow Angle (Average)	109.2°	106.9°	100° to 110°

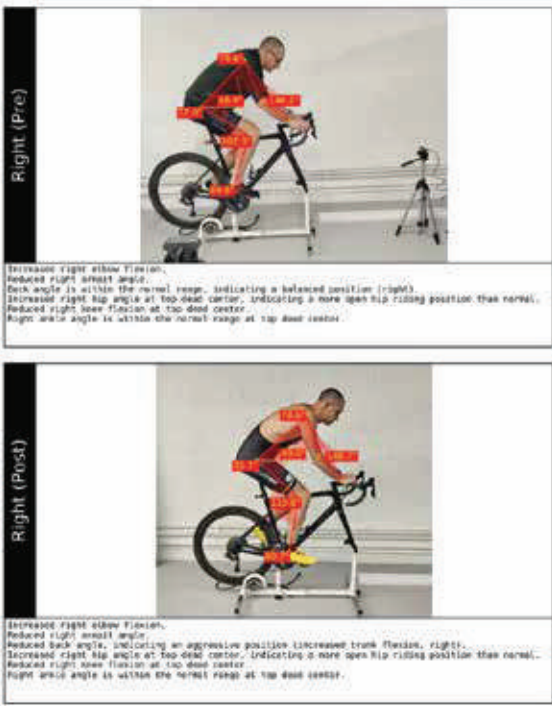
ANTERIOR VIEW		
	Right	Left
Feet/ing Style	Knock Out	Straddle

Upper Arm angle = 90° means 90° to knee axis and knee angle = 90° means over flexion.  
Knee angle = 90° means hyperextension and knee angle = 180° means flexion.



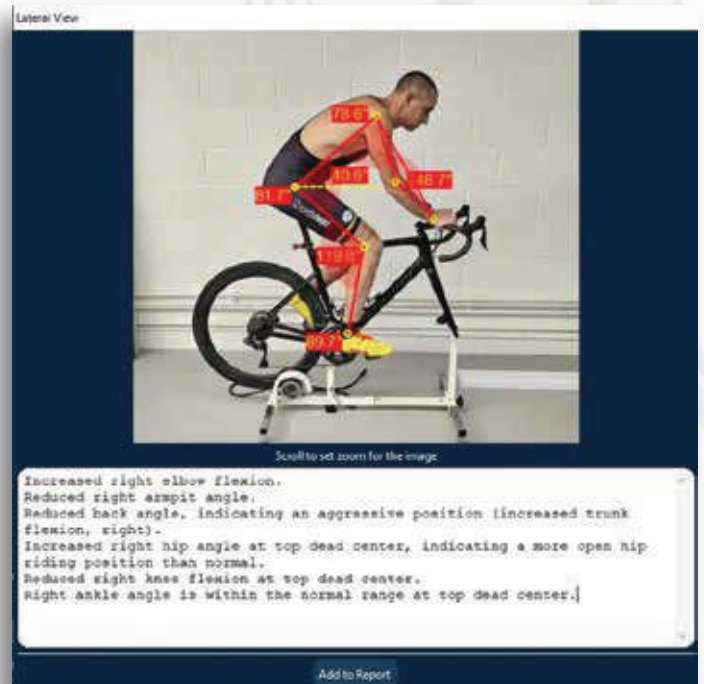
Comparison between left and right extremity riding positions.

# BIKE FITTING REPORTS : KEY FEATURES



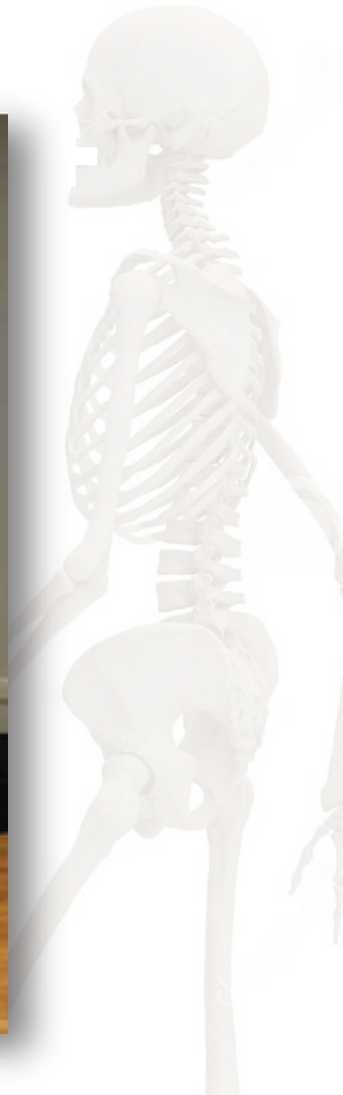
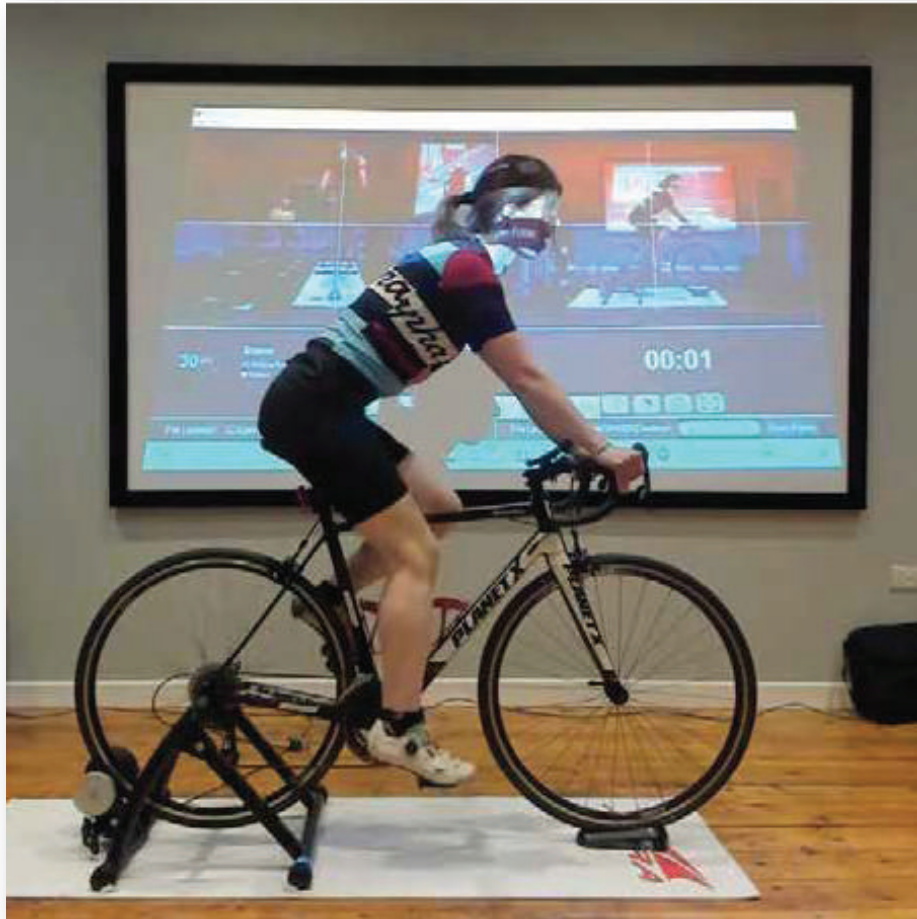
Easy comparison between different fit positions.

Automatic documentation of notes.



## TOP REFERENCES

### BIKE FITTING ANALYSIS



FitLab, UK

#### SETUP



2 Digital Cameras



Trainer



GaitON<sup>®</sup> Software

## REFERENCES



Adidas



Indian Navy



BSF



Safdarjung hospital



Hawai'i Pacific University



SRM University



Amrita Hospital



Belle Vue Clinic



Col(Dr) Rana K Chengappa  
Sports Medicine & Ortho Rehab



Perfect Bounce



Delhi Foot



Sporting Ethos

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by auptimo

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