

INTRODUCTION

TEKFIT PRO



TEKFIT PRO is an advanced inertial motion analysis technology system designed to assess your knee joint and pelvic stability while cycling.

Through real-time visual graphs, **TEKFIT PRO** helps you easily adjust your bike shoe cleats and frame settings while recording each adjustment's outcome for later review.

This system features fast analysis speed and accurately interprets 3D joint dynamics, surpassing traditional 2D technologies by simultaneously measuring multiple joints, offering more comprehensive analysis. Additionally, this system offers an outdoor assessment mode, removing the limitation of only using indoor trainers. It allows for real-world evaluation of stability and performance on actual riding routes.

Design by

IMOTEK

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ALL-NEW TRAINING TECH

TEKFIT PRO

An Advanced Inertial
Motion Analysis Technology System

TEKFIT PRO
BY YOUR SIDE, CARE YOUR RIDE.

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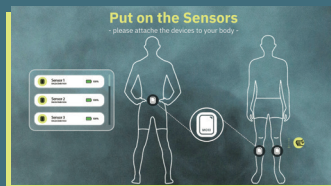
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PROCESS



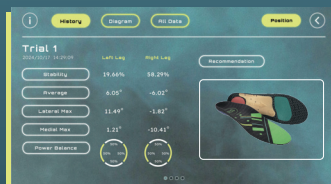
STEP 1

Put on the Sensors



STEP 2

Start Measurement



STEP 3

Solutions Recommendation



STEP 4

Multiple Evaluations & Data Collection



STEP 5

Multiple Data Collections



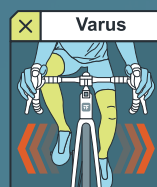
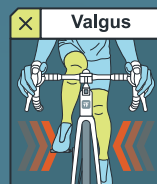
STEP 6

Instructions & Suggestions

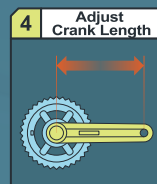
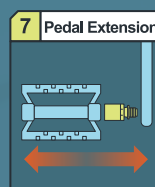
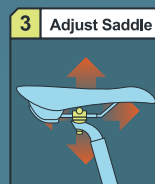
IMPROVE YOUR CYCLING POSTURE

HOW TO USE

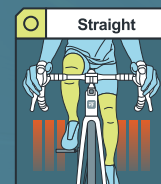
Evaluating Cycling Posture



Suggested Solutions



Cycling Posture Improvement



Note: Figures 2 and 6 are cited from: www.thecyclepoint.com



TEKFIT PRO

REPORT EXPLANATION



Trajectory				
A	Note	Trial 1	Trial 2	Trial 3
	Time	2024-12-19 15:01:35	2024-12-19 15:02:50	2024-12-19 15:03:40
B	Pelvic			
	Stability	65.15 %	64.94 %	59.21 %
	Average	-3.75 °	-2.49 °	-2.87 °
	Right Max	-5.4 °	-4.3 °	-4.5 °
	Left Max	-0.73 °	-1.1 °	-1.05 °
C	Shank			
	Stability	73.88 %	80.83 %	81.69 %
	Average	-1.12 °	-1.11 °	-1.06 °
	Right Max	0.81 °	0.25 °	0.19 °
	Left Max	-3.2 °	-3.9 °	-3.25 °
D	Power Balance			
	Left	48 %	48 %	48 %

A Data Base

Enter the trial name before starting the measurement (optional) to label the data and compare multiple datasets. The report provides the performance of the pelvic and shank, calculating the rotation angles.

B Stability

This parameter reflects the ability to maintain consistency during the test or exercise. Higher stability indicates stronger movement consistency, which helps reduce the risk of injury and improve overall performance.

C Power Balance

This parameter represents the ratio of power output between the left and right feet, helping analyze whether both feet are exerting force evenly during cycling or other activities. A higher balance indicates better coordination between both legs, leading to improved overall performance.