

Kennedy Cycle Fit



# BioBike Fitting



## BioBike Fitting

Biobike, is the only ergo bike to have dynamic movement with features that allows for a more detailed and scientific approach to sports science testing, bike fitting and many other areas.

### Frame Measuring

The Biobike is fitted with various electronic devices such as power measuring systems, torque analysis system, athletic movement detection, as the frame can be moved whilst the athlete is in motion it is easy to find the perfect riding position of which is one that is comfortable and outputs the maximum power.

### Sports Testing

The Biobike can be used to take Left and right leg power output measurements, with the aid of the torque analysis system a more scientific approach can be taken for many area's of testing

### Data Collection

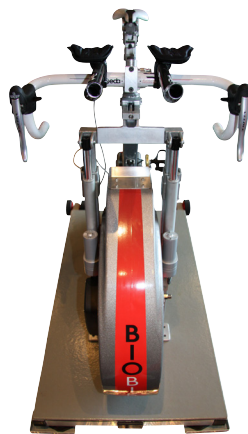
Data collected can be stored into a PC, Smart-Phone or main frame computer, this is especially useful in the area of medical, but also is good for interactive pursuits.

### Medical

The medical version of Biobike is user friendly for people with disabilities, injuries and recovery , again the data from a patient can be stored and pulled up when that person re-visits the professional medical practise ,a hospital or Physiotherapist or similar, due to the use of the torque analysis system with left and right leg actual a more accurate assessment of a patients recovery can be determined.

### Features

- Cadence
- Heart Rate
- Core body temperature
- Optional time
- Optional timer (with count down features)
- 1 Minute for power Testing
- 2 minutes for power testing
- 5 Minutes power testing
- 15 + minutes for position and endurance testing
- Power in Watts
- Torque
- Notional speed
- Maximum & average cadence, power, torque



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### Fitting

- Seat tube length, Top tube length, Stem length, Head tube angle, Seat tube angle, Saddle height and set back at start of position testing session

### Measurements and specification particulars:

- Top tube, Stem length, saddle height and set back could be automatically adjusted by computer measurements to:

1. Minimum
2. Average
3. Maximum

- Gear Used ( Optional )
- Shoe/Foot angle in degrees in relation to axle in both X and Y axis
- Shoe/Foot angle in degrees in relation to the cranks arm ( Theoretical maximum power is generated when force is exerted at 90 deg to the crank arm

- Leg knee extension angle in degrees at Top dead centre and Bottom dead centre
- Trunk angle in degrees in relation to horizontal
- Head on assessment of knee position and variation from vertical to centre of axle
- Cleat position in relation to axle
- Height of insole from pedal axle
- Width of bars
- Type of seat
- Length of seat
- TEST Recommended frame measurements at end of test
- V02 test data if available

