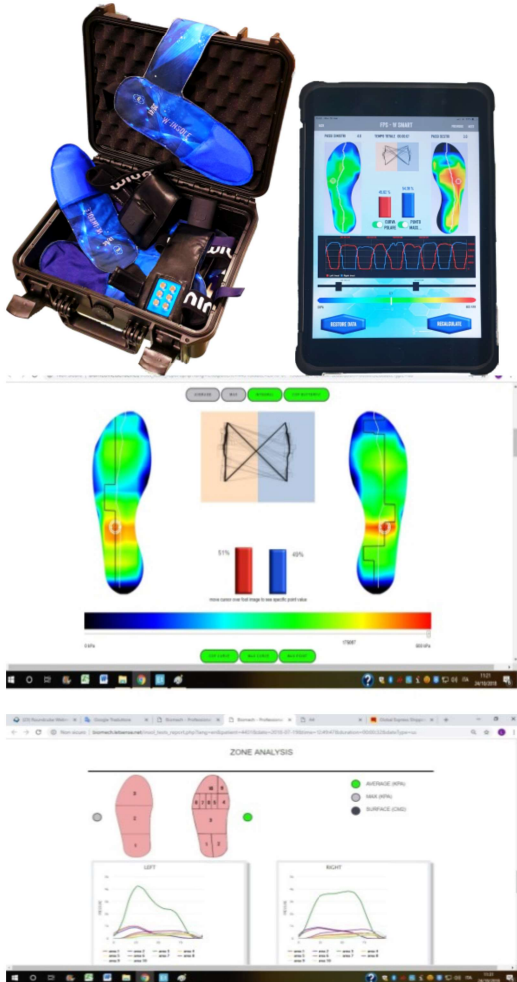


W-INSOLE SCIENCE

Insoles system for the evaluation of pressures inside the shoe for GAIT ANALYSIS



Ultra flexible insoles with "on fabric" resistive sensors. Composed of 68 sensors for each sensor-based insole, the FPS W-Insole Science system allows precise detection of the pressures exerted by the foot inside the shoe. Each pair of insoles can be used for 3 sizes:

Available sizes

- 36/38
- 39/41
- 42/44
- 45/47

Other measures on request.

The W-INS control unit is connected by magnetic contacts with the insole.

The W-INS and a smartphone/tablet are connected via Bluetooth.

Useful for the in-depth evaluation of walking analysis:

- Step gait phases (STEP TIME - STRIDE TIME, STANCE TIME)
 - Maximum load points
- Integral PRESSURE - TIME
 - CONTACT times
- COP Curves and MAX Curves
 - Characteristic pitch / medium pitch
 - Percentage of loads
 - CADENCE
- PHASES OF CONTACT, SUPPORT AND PROPULSION
 - IMPACT FORCE AND PROPULSION
- LOAD DISTRIBUTION in the different FOOT AREAS and related graphs
 - Video of the acquisition
 - 3D viewing

Acquisition frequency from 50 Hz online and 200 Hz offline on internal SD memory card.

The W-INS unit is equipped with inertial unit, memory card and has an operating autonomy of over 6 hours of continuous operation.

BIOMECH app available for IOS and Android. Once saved, the data can then be viewed on WEB CLOUD to print reports, check the graphs and perform patient / analysis comparisons.