

auptimo

Systems for Biomechanical Analysis



PORTABLE PLANTAR PRESSURE SYSTEM



Clinical Applications

01 / Assess Risk of Diabetic Foot Ulcers

Detect early and Reduce incidence of ulcers and/or pressure sores by observing what the neuropathic foot cannot feel, particularly in diabetics.

02 / Identify Plantar Pressure Asymmetries

Study bi-pedal dissimilarities and differences across foot regions to understand and manage various foot conditions.

03 / Get an In-depth Analysis of Foot Function

Determine cause or effect of various ankle, knee, hip and back related Orthopaedic conditions on plantar pressure distribution during bi-pedal stance and dynamic weight transfer during Gait.

04 / Determine Fall Risk in Elderly and in Pregnancy

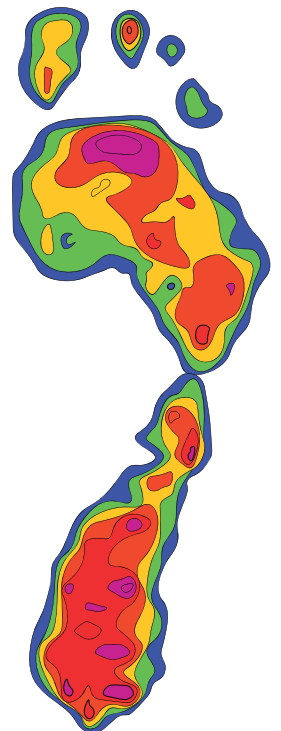
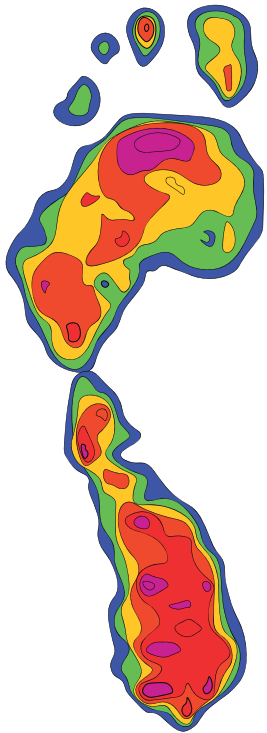
Study changing patterns in plantar pressure, arch patterns and foot stereo-geometry; and assess risk in vulnerable populations.

05 / Know Foot Types

Visualize and confirm Normal, High Arched and Flat Foot, Pronated or Supinated Foot, Hallux Valgus and splaying of feet.

06 / Assess Stability in Neuromuscular Conditions

Amongst hemiplegics and RA patients, monitor improvements in stability, balance, strength & weight bearing, as well as observe changes in foot structure.



Protocols

- Modules in the plantar pressure analysis system -

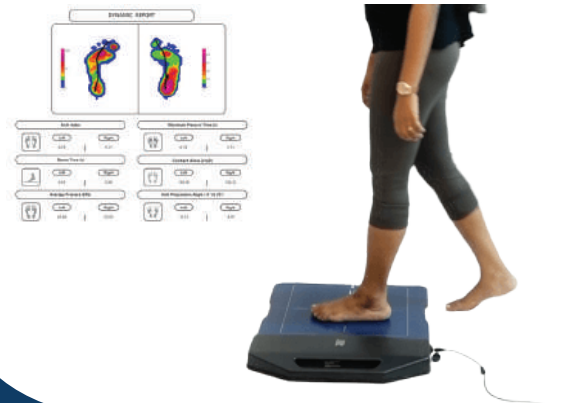
Static

- Color coded pressure heatmap
- Left-Right load distribution
- Rearfoot-forefoot load distribution
- Peak Pressure



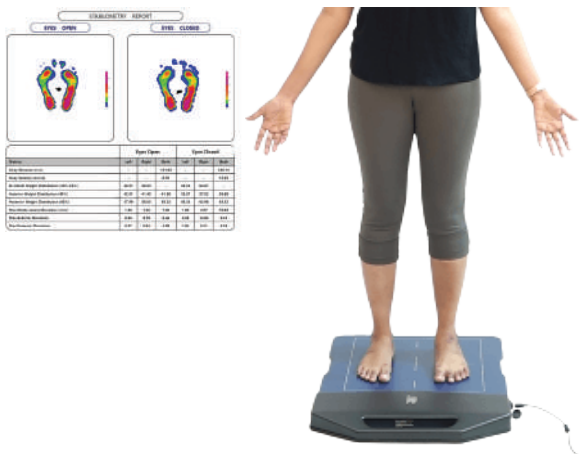
Dynamic

- Color coded pressure heatmap
- Arch index
- Gait Line
- Foot Progression Angle
- Peak pressure
- Pressure-Time graphs



Stabilometry

- Sway Distance
- Sway velocity
- Ant-Post Sway
- Med-Lat Sway



Gaming module for balance

- 10+ games
- Realtime feedback
- Single /double leg options
- Progress monitoring



Specifications

PORTABLE & EASY SETUP

Lightweight & easy to carry which makes it the perfect portable tool for camps. Just connect the device to the computer using a USB cable and you are good to go!

UPTO 6000 SENSORS FOR HIGH ACCURACY

Packed with upto 6000 sensors to give you accurate results of foot pressure and balance parameters.

REALTIME REPORTS

Realtime reporting for a quick assessment and interpretation of data.

Models Available

- Different variants to fit your requirements -



3000 Series

Dimensions - 701 x 508 x 8 mm
Sensor Area - 380 x 380 mm
No. of sensors - 2916
Sensor Technology - Piezoresistive
Sensor Resolutions - 2/cm²
Operation - Wired
Gaming Rehab Module - Yes
Live Vizualisation - Available



6000 Series

Dimensions - 1014 x 750 x 10 mm
Sensor Area - 753 x 380 mm
No. of sensors - 5778
Sensor Technology - Piezoresistive
Sensor Resolutions - 2/cm²
Operation - Wired
Gaming Rehab Module - Yes
Live Vizualisation - Available

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For a free demo reach out to us at :

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