

# DYNAMIC TACTILE PRESSURE ANALYSIS

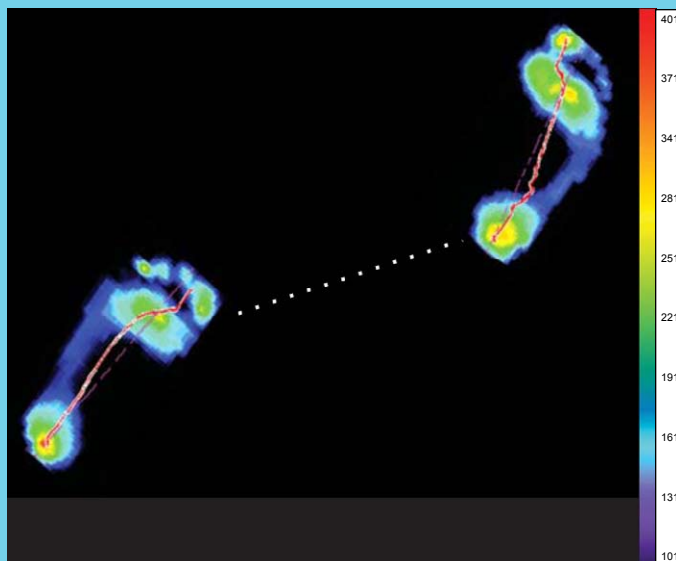
## Foot Plate Sensor System

The Tactilus® foot plate analysis system is the most efficient and accurate way to assess gait analysis, foot pressure points and athletic plantar impacts. Real-time pressure profiling provided by Tactilus® enables precise and immediate evaluations of conditions related to the diabetic foot, analysis of the weight bearing capability and conformability of orthotic and prosthetic devices, and assesses molt of impact effects from various bipedal locomotion activities of both feet, either exclusive or in relation to each other, all in ultra high speeds.

**How Tactilus® Works:** The Tactilus® sensor element instantly collects pressure data and sends it as an analog signal back to an intermediary data “hub,” where it is converted to a digital signal. The digital signal is then sent to an interface (software) configured for easy viewing and dynamic analysis capabilities. Tactilus® software provides 2-D, 3-D, isobar and pinpoint region-of-interest image viewing, graphical displays of data in bar charts, line scans and histograms, statistical analysis of average/minimum/maximum pressures, total force over any selected area, pressure vs. time and more. The data can easily be exported for further analysis in many third party softwares.



THE TACTILUS® FOOT PLATE SENSOR



2-D VIEW OF PATIENT WALKING ACROSS SENSOR PAD

**Why use Tactilus®:** This dynamic foot plate sensor employs the force sensing design principle of resistance which gives Tactilus® great advantages in both adaptability and customization. This robust sensor lasts thousands of uses with consistent repeatability, accuracy and maintains its high resistance to electromagnetic noise, temperature and humidity fluctuations. Conveniently portable, a complete Tactilus® foot plate system weighs less than ten pounds.

### SENSOR SPECIFICATIONS

Technology	Piezoresistive
Pressure Range	0 to 30 PSI (0 to 2.10 kg/cm <sup>2</sup> )
Sensor Size	Customizable
Spatial Resolution	Customizable up to .39 in. (1 cm)
Scan Speed	Up to 100Hz
Accuracy	±10%

### FEATURES

- Pre-calibrated
- Provides real-time analysis
- Resistant to electromagnetic noise, temperature and humidity fluctuations
- Flexible and durable sensor element
- Pressure and temperature measurement in real-time
- Longitudinal and latitudinal analysis
- Modular architecture with interchangeable sensor elements
- 100% customizable
- Intuitive and user friendly Windows® compatible software
- CE certified