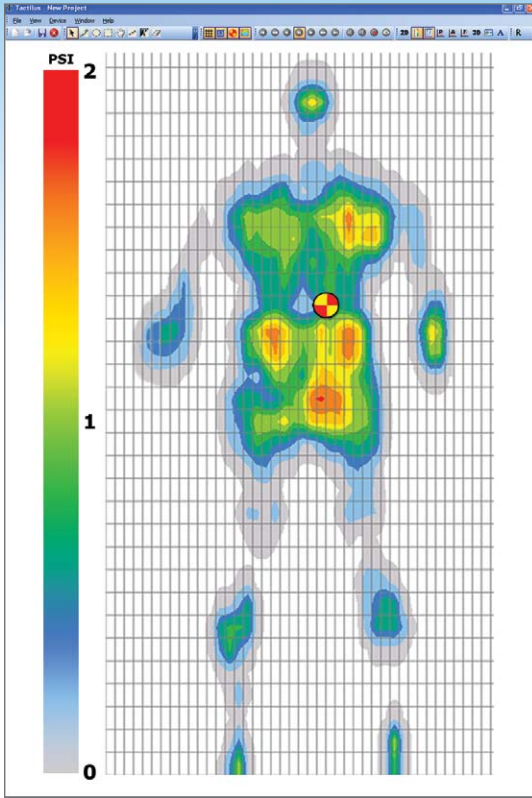
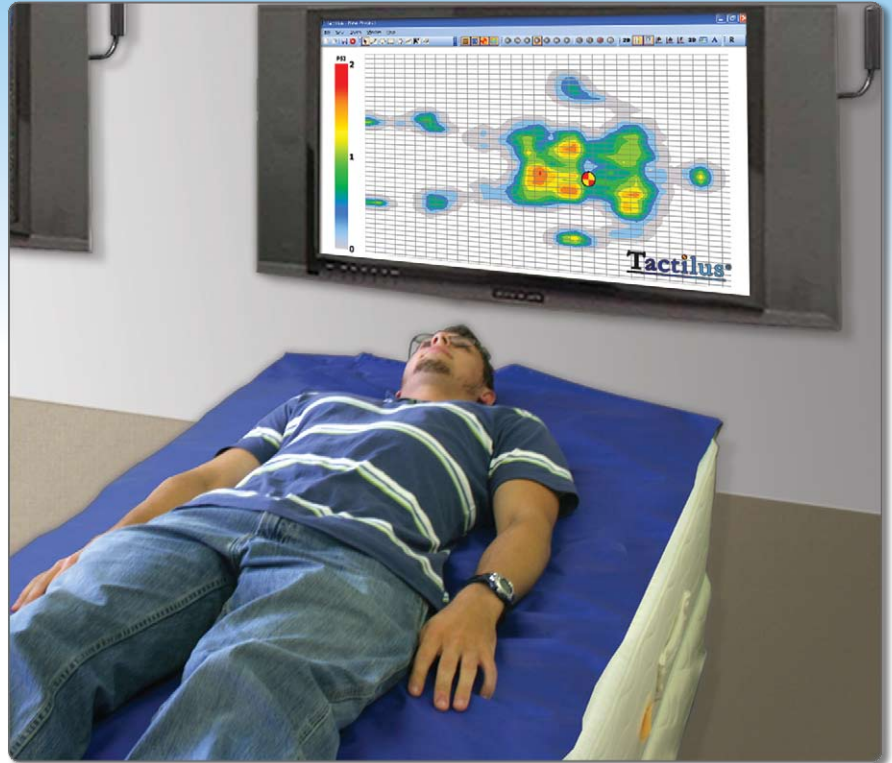


# REAL-TIME TACTILE PRESSURE ANALYSIS

## MATTRESS SENSOR



Characterization of surface pressure of a person on a mattress



Bodyfitter® sensor upon a mattress in a retail environment

The Tactilus® Bodyfitter® system is designed to allow the manufacturer and retailer to measure pressure distribution and magnitude between the customer and sleeping surface. Bodyfitter® captures data from a series of sensor points propagated across the body surface and assimilates the data into our powerful Windows® based software providing you with colorized pressure maps (pictured above) and detailed statistical reports. Bodyfitter® offers the dual capability of measuring BOTH PRESSURE AND TEMPERATURE DISTRIBUTION.

Tactilus Bodyfitter® is the most economical, scientific and user-friendly system for surface pressure mapping available today, both in the lab as well as in-store.

Tactilus® is matrix based tactile surface sensor that works by the principle of piezoresistance. Tiny sensing cells cover the entire surface area of our sensor "skin" allowing for discrete spot pressure analysis at any point in the contact region. Sensor Products primary proposition is to offer our clients precisely what they require or need. To that end, everything we design can be completely tailored to your unique situation.



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### POWERFUL MODULES

- Anthropometric Feature – reads and reports body attributes, and Somatotype
- Chiropractic Diagnostic Package
- Consumer Database - designed to track customers and salesman performance and response-to-sale ratios
- Languages – software in Spanish, Chinese, German and French
- Private Branding - name and indentia on hardware and software
- Handheld Remote Control Device
- Retail Environment Version – touchscreen panel and graphical user interfaces
- Scientific Analysis Package
- Wireless Capability

### SENSOR SPECIFICATIONS

Technology	Piezoresistive
Pressure Range	0 - 2 PSI (0 - 0.14 kg/cm <sup>2</sup> )
Grid Size	32 x 32
Sensing Points	1,024
Total Sensing Area	26 in. x 76 in. (66 x 193 cm)
Scan Speed	Up to 100 hertz
Spatial Resolution	Custom from 0.39 in. (10 mm)
Thickness	30 mils (0.7 mm)
Accuracy	±10%

[www.sensorprod.com/tactilus](http://www.sensorprod.com/tactilus)