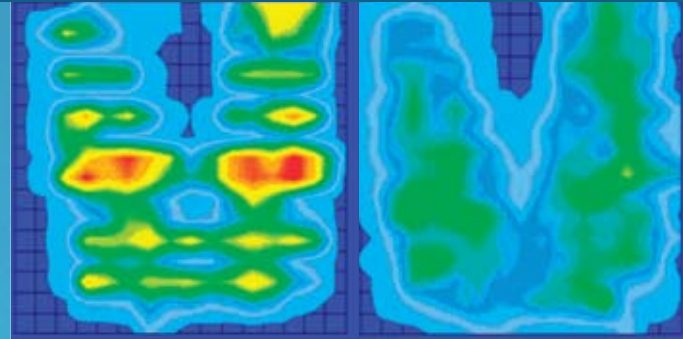


Smart Fabrics: For Intelligent and Interactive Products



Imagine products that adapt to users' needs.

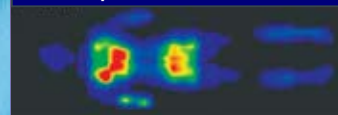


BEFORE

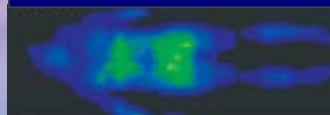
AFTER

Smart elastic sensors and imbedded electronics continually monitor and modify surfaces.

BEFORE: Uncomfortable high pressure areas



AFTER: Evenly distributed pressures for maximum comfort



Smart Consumer Beds

BC



Smart Automotive Seating



BodiTrak's durable elastic, breathable Smart Fabric sensors are designed to be easily integrated into surfaces that people sit, sleep or walk on. BodiTrak sensors mold to a user's body while monitoring pressure, position, movement, respiration and other metrics. Using this information the system can intelligently modify a surface to maximize comfort, productivity and help improve wellness.

BodiTrak's Smart Seat, Bed and Foot Smart Fabric pressure mapping systems use advanced elastic sensors with built-in Smart USB electronics—affordable, flexible, stretchable, portable and easy-to-use. Simply plug the USB cable into your computer or connect to Smart Systems using WiFi and web browser interfaces.

Patented BodiTrak elastic sensors are a lycra like construction. Sensor size and resolution is adjustable to specific application needs. Sensors can be covered with a range of materials depending on the environment of use or laminated to a product's cover. BodiTrak's onboard electronics provide fast data acquisition and easy connectivity. BodiTrak is easily scalable to high volume products.

BodiTrak Sensors open whole new worlds of imagination about where sensors can be placed and how they can be used to monitor and intelligently manipulate surfaces. Smart Surfaces, Smart clothing, Smart user interfaces, Smart industrial monitoring systems are all possible. Only the imagination is the limit!



Smart Office Seating



Smart Clothing & Shoes



BodiTrak Sensor Systems

- Elastic Smart Fabric sensors are available in a wide range of sizes
- Smart integrated electronics—no interface module required, just the USB cable to your computer or WIFI
- Faster scan rates (eg. full size beds scan at 50Hz)
- Calibration and sensor information is stored on the sensing mat for true plug and play capability
- Easily cleaned with regular disinfectants
- Custom shapes and sizes available
- Easy to reach technical support



Seat and Balance Systems



Bed and Gait Systems



Torso and Wheelchair COG Systems



Wifi Adapter
(not necessarily as shown)



Sock Sensor



Carrying Case

		Mat		Sensing Area		Sensing Cells			Suggested Calibration
BodiTrak Pressure Mapping Systems		Length (mm)	Width (mm)	Length (mm)	Width (mm)	Number	Row x Col	Size (mm)	Std Range (mmHg)
Standard Seat	BT1510	555 (22")	555 (22")	455	455	256	16 x 16	25.4 x 25.4	200
High Resolution Seat	BT1526	565(22.5)	565(22.5)	465	465	1024	32 x 32	12.7 x 12.7	200
Standard Bed	BT3510	2032	863	1930	762	1809	67 x 27	25.4 x 25.4	100
Standard Torso	BT4510	1020	790	920	690	768	32 x 24	25.4 x 25.4	100
Standard Treadmill	BT5510	1117	863	1018	482	612	36 x 17	25.4 x 25.4	100

Numerous custom, smart product and temperature sensing designs available.



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ISO 13485 Certified



BodiTrak

Stretchable, Low Cost
and Easy To Use