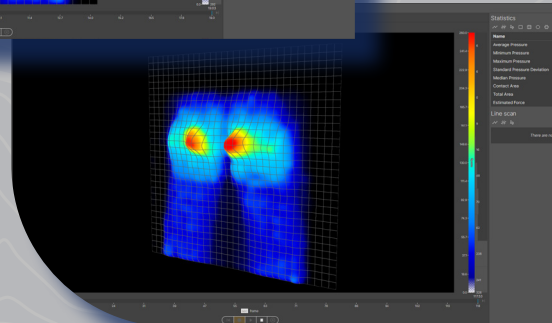
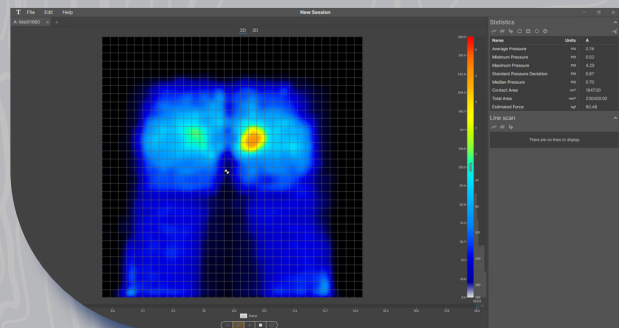
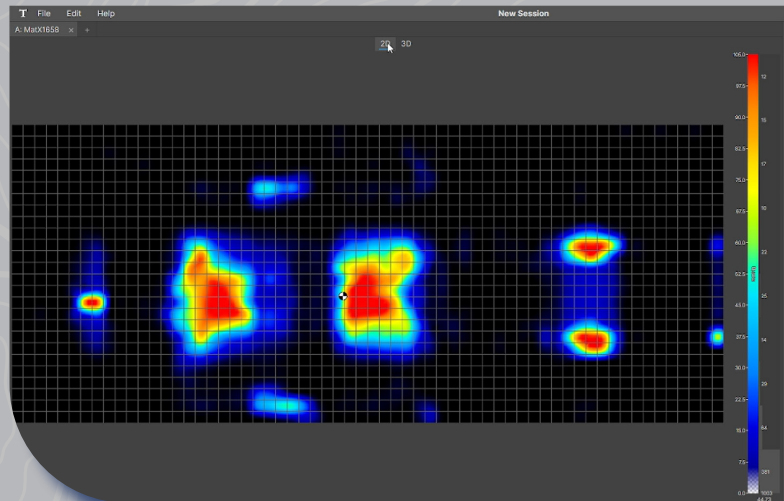


Y SERIES

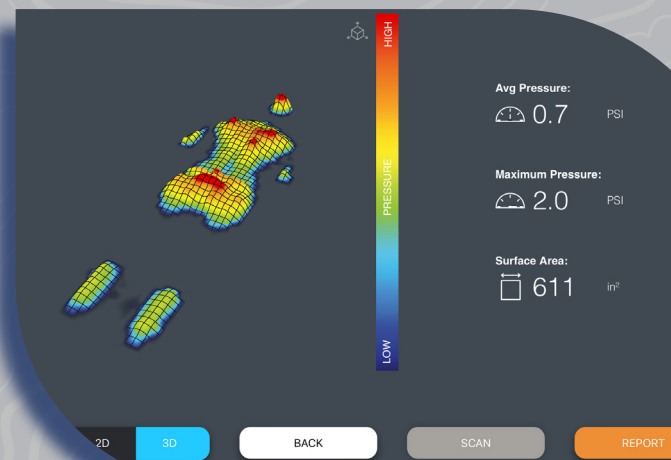
Tactilus® is a flexible, fabric- and matrix-based tactile surface sensor, essentially an “electronic skin” that records and interprets the distribution and magnitude of pressure between two touching or coupled surfaces. The collected data is assimilated into powerful toolkits available for both Windows® (Tactilus Scientific 10) and iOS (Body Fitter 2.0), offering versatile and advanced solutions for a variety of applications.

Each Tactilus® sensor is carefully assembled to exacting tolerances and individually calibrated and serialized. The architectural philosophy of Tactilus® is modular, allowing for portability, easy scalability, and simultaneous data collection from multiple discrete sensors. Tactilus® employs sophisticated mathematical algorithms that intelligently separate signal from noise, and advanced electronic shielding techniques maximizing the sensor’s immunity to noise, temperature and humidity.



Y-SERIES SENSOR SPECIFICATIONS

Technology	Piezoresistive fabric
Pressure Range	30PSI (2Kg/cm2)
Max. Matrix Size	Up to 48x64
Max. Active Sensing Area	Up to 58 in. x 70 in. (147 cm x 177.8 cm)
Sensing Points	Up to 3.072
Connection	WiFi and USB
WiFi Range	Up to 328 ft (100 m) without obstacles, 82 - 98 ft (25 - 30 m) with obstacles
Scan Speed	Up to 150 Hz
Temperature Capability	140°F (60°C)
Min. Spatial Resolution	> 0.4 in. (1 cm) center to center or coarser
Thickness	98 mils (2.5 mm)
Accuracy	± 10%
Repeability Error	± 3%



Tactilus®

SPI

SENSOR PRODUCTS INTL.
TACTILE PRESSURE EXPERTS

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