

XSENSOR R&D Solution

X3 R&D Mattress System

Design mattresses to fit your customers.

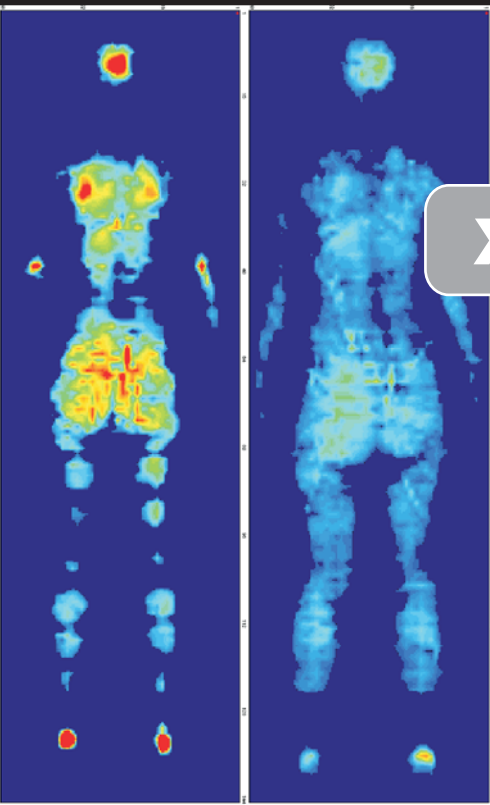
XSENSOR Technology Corporation can provide you with innovative solutions to help you design mattresses that provide pressure relief and comfort for customers.

XSENSOR gives you a competitive edge and the assurance to use the most sophisticated pressure imaging system available around the world for many advanced applications. X3 R&D Systems are used by leading companies in automotive testing, patient safety and sleep markets.

Benefits

Manufacturers use XSENSOR full-body pressure mapping systems in the design, testing, and creation of high-quality mattress products. The systems provide an innovative solution that can help you:

- Realistically simulate a test subject's pressure interface with the a mattress
- Collect repeatable and accurate data in a tightly controlled testing environment
- Record measurements across the entire body area simultaneously
- Analyze data with XSENSOR's software (export to Excel)
- Customize and produce high-quality visual reports
- Evaluate manufacturing processes to ensure consistent product quality



➤ Innovators in Pressure Imaging™

XSENSOR Technology Corporation is the leading innovator of advanced pressure imaging sleep, patient safety, and automotive testing solutions. XSENSOR offers sensor superiority, custom solutions, and X3 technology.

Why XSENSOR?

- The leader in mattress pressure imaging
- The largest install base in the world
- Products are used in over 40 countries worldwide
- Customer-focused product innovation

XSENSOR R&D Solution

Package Components

The X3 R&D Mattress System provides premium design, evaluation and testing tools for mattress products. It allows you to compare mattress lines and continuously improve your mattress designs for better pressure relief and support.

Hardware

Flexible

Made of ultra flexible and thin material to conform with the body and record accurate data.

Reliable

Composed of a high-resolution sensor pad and electronics for product design and sophisticated mattress testing.

Durable

Designed to withstand thousands of assessments.

Hardware

1 X3 R&D Mattress System, includes:

X3 Sensor Pad and Electronics:

- 1 X3 Mattress Sensor Pad: Model PX100:64.160.02
 - Sensing area: 32" x 80" (81 cm x 203 cm)
 - Number of sensing points: 10,240
 - Resolution: 0.5" (1.27 mm)
 - Calibration range: 5-100 mmHg, 10-200 mmHg
- 1 X3 PRO Platform
- 1 X3 USB Cable 16.5" (5 m)
- 3 X3 Sensor Packs
- 1 X3 Standard Power Supply + "Country Specific" Power Supply
- 1 Mattress Soft Carry Case (standard soft shell)
- X3 PRO User Guide
- 12-Month limited warranty on X3 sensor pad and electronics



XSENSOR R&D Solution

Package Components

The X3 PRO software is an essential part of the X3 R&D Mattress System. Developed with the power user in mind, the software features a fast and powerful engine with enhanced analytical tools.

Software

1 X3 PRO v6 (5-User License)

Features

Collected data is saved immediately to the hard disk reducing the risk of data loss

Allows for sessions with up to 100 million frames or 500GB of data

Load or save up to 500GB files in under 1 second

File Comparison Tools

Simultaneous playback of up to 4 files

Multiple frame and file comparisons

Measurement Tools

Line measurement allows users to measure pressure image dimensions

Area measurement allows to calculate areas within a pressure image

Imaging Tools

Thumbnail preview strip displays each frame in filmstrip format

Thumbnail view includes preview of videos, photos, and notes

Improved overall frame navigation

Improved 2D zoom functionality

Export/Analysis Tools

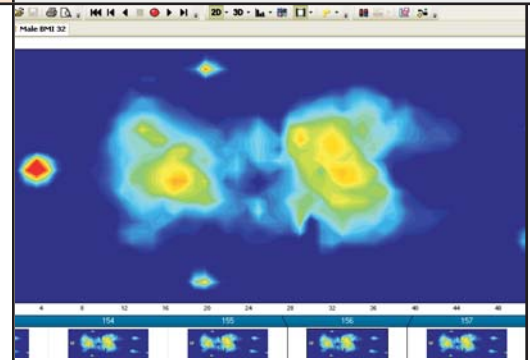
Copy, paste and select pressure values from 2D image directly into a spreadsheet

Export a sensor group in its original shape directly into a spreadsheet

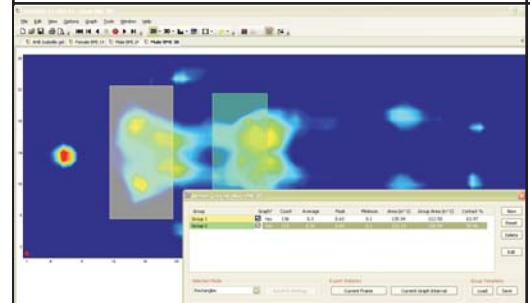
Copy and paste cross-section values into spreadsheets

Export files into html viewable format

Software



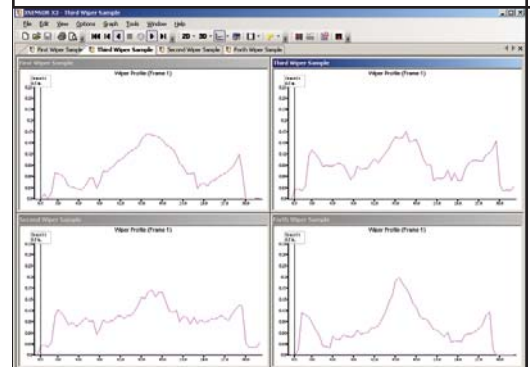
Record dynamic pressure images



Compare sensor group areas

Group	Sensor	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value
Group 1	Sensor 1	29.23	38.79	38.52	33.73	36.5	35.5													
Group 1	Sensor 2	47.47	69.76	61.93	43.7	48.52	36.18	26.06												
Group 1	Sensor 3	25.76	43.13	56.07	57.71	52.65	48.19	42.41	39.5	38.07	25.06	28.72								
Group 1	Sensor 4	39.56	48.91	51.6	48.95	46.57	39.79	37.55	32.26	33.84	36.6	36.76	30.73							
Group 1	Sensor 5	30.12	38.52	44.66	44.66	38.79	30.84	27.23	23.61	22.89	22.17	22.17	21.46	20						
Group 1	Sensor 6	20.72	24.06	36.63	33.73	21.66	25.06	25.06	20.72	21.45										
Group 1	Sensor 7			26.06	30.84	28.67	22.17													
Group 1	Sensor 8			22.17	22.89	22.89														
Group 1	Sensor 9				22.17															
Group 1	Sensor 10																			

Export grouped data into a spreadsheet



Profile comparison of 4 body types

XSENSOR R&D Solution

Design comfort through science

Contact your XSENSOR representative for more information.

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XSENSOR[®] Technology
Corporation

Innovators in Pressure Imaging[™]

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