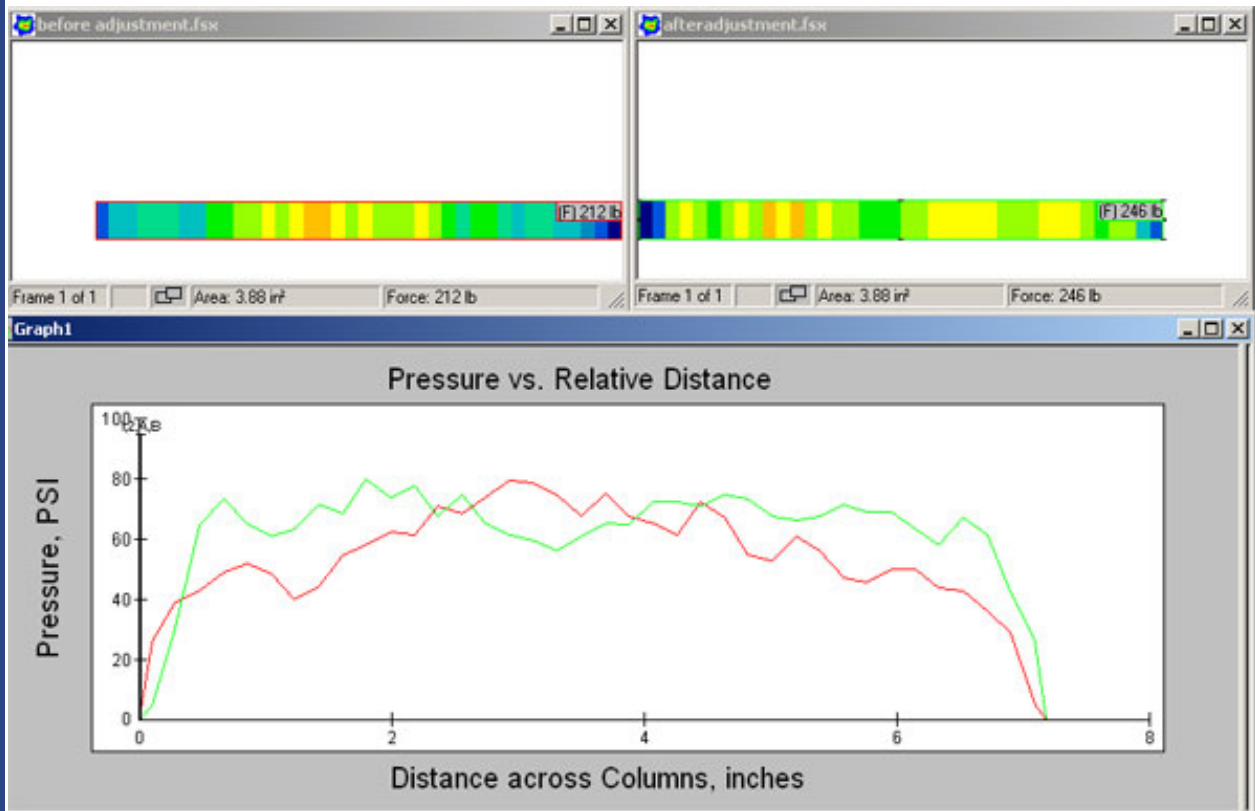


I-Scan Lite System Features

[System Overview](#)



Graphical comparison of before and after adjustment "snap shots" of sealing bars. *Red-* before adjustment, displays higher forces in the center and weaker forces on the outside. *Green-* after adjustment, displays more even forces across the bar.

Software Features

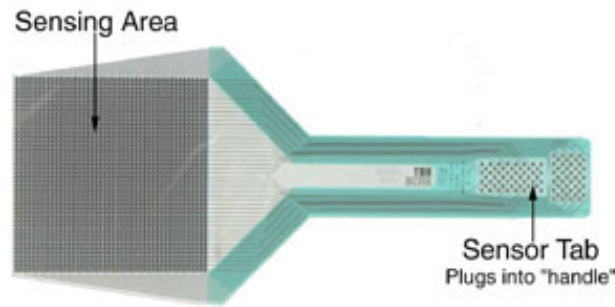
- View pressure data as 2-D and 3-D images
- Capture measurements as "snapshots"
- Graph and analyze real-time or stored data (Pressure, Force, Area)
- Compare and analyze regions of the sensor with user locatable and resizable "focus boxes" and "lines"
- View multiple measurements on the screen concurrently and compare on the same graph
- Calibrate sensor with a single-point routine
- Select engineering units
- View and compare multiple tests simultaneously
- And much, much, more!

[Data Acquisition Electronics and Sensor to PC Interface](#)

Every Tekscan Industrial system, including *I-Scan Lite*, uses a specially designed sensor interface electronic called a "handle". The handle connects to the sensor, gathers the data from the sensor, and then processes and sends this data to your computer. The handle also connects to an interface on your PC. Tekscan offers a variety of PC interfaces including USB, parallel and PCI boards. Each interface product embodies sophisticated microprocessor based circuitry to control scanning sequence and frequency, adjust sensitivity, and optimize the performance of our sensors.

Sensor Description

I-Scan Lite works with most of our array sensors. Below is a summary of our sensors' characteristics. Refer to our [Industrial Catalog](#) for complete sensor listing.



No. of Sensing Elements: Typically 2,288 (to over 146,000)

Spatial Density: Up to 248 sensels/cm² (1,600 sensels/in²)

Spatial Resolution: 0.64 mm x 0.64 mm - 17 mm x 17 mm
0.025 in x 0.025 in - 0.7 in x 0.7 in

Operating Temperature: 15°F - 140°F (-9°C - 60°C)

Size of Sensing Area: 3 mm x 3 mm - 578 mm x 884 mm / 0.12 in x 0.12 in - 22.7 in x 34.8 in

Technology: Resistive

Calibration: With application of a controlled force by user

Pressure Range: 0 - 25,000 PSI / 0-175 MPa

Sensor Thinness: Typically 0.1 mm (0.004 in)

Related Products & Options

Tekscan systems provide the flexibility of adding on capabilities as your needs evolve to enhance data analysis and interpretation. Please ask us about any of the add-on options to the *I-Scan* Lite system listed below:

***I-Scan* Lite Enhanced** - An enhanced software version that provides additional software features such as 2-D contour display, additional graphing and data analysis functions, and enhanced calibration routines. Additionally, an unlimited number of pressure "snapshots" can be appended or added to a single *I-Scan* Lite "snapshot". This allows for a series of static pressure measurements to be saved in the same file for ease of comparison. Other data analysis features like peak pressure, tare, and center of force are also included.

Wireless Capability - Enables a wireless connection between your sensor/handle and your PC allowing for ultimate flexibility in data acquisition.

[Equilibration/Calibration Devices](#) - Pneumatic devices apply a uniform pressure to the active area of a sensor to normalize output of each sensing element. The system electronically compensates for variation in individual sensing elements.

Upgrade to *I-Scan* - *I-Scan* Lite system can be upgraded to a full *I-Scan* system and because the files are fully compatible, your initial investment is protected.

[System Overview](#)

To Request More Information or a Demonstration- [click here](#)

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