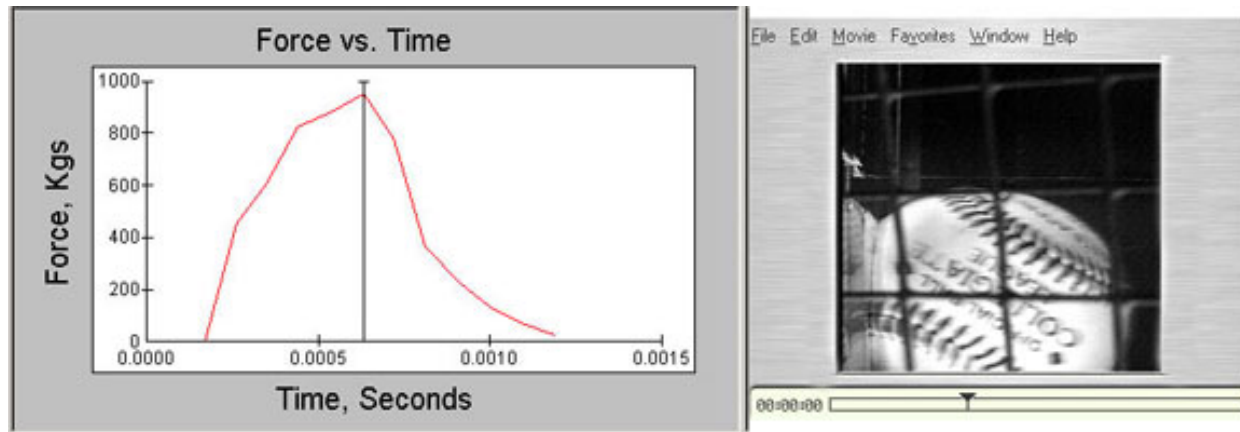


accurate

reliable

High Speed *I-Scan*[®] System Features

[System Overview](#)



High Speed I-Scan with Video Synch captures ball hitting sensor. Sensor output is shown graphically - Force vs. Time

Software Features

- Acquire sensor data at up to 10,000 frames/second
- Display real-time and recorded data as 2-D and 3-D images
- Capture dynamic pressure data
- Play-back pressure "movies"
- Display data frame-by-frame or as a multi-frame movie
- Graph and analyze real-time or stored data (Pressure, Force, Area)
- Export ASCII file capability
- Isolate and analyze specific areas
- Display Center of Force and its trajectory
- View and compare multiple tests simultaneously
- And much, much, more!

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

Every Tekscan Industrial system, including High Speed *I-Scan*, 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 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.

High Speed *I-Scan* Sensor Options:

Refer to our [Industrial Catalog](#) for complete sensor listing.

Calibration: With application of a controlled device

Model #	No. of Sensing Elements	Spatial Density (Measured in sensels/ unit ²)	Spatial Resolution	Sensing Area	Sampling Rate	Standard Pressure Ranges (PSI)
5051	1936	400/in ² 62/cm ²	0.05 x 0.05 in 1.27 x 1.27 mm	2.2 x 2.2 in 56 x 56 mm	208 Hz	Many, ranging from 7 - 25,000
5315	2016	6.26/in ² 0.97/cm ²	0.4 x 0.4 in 10.2 x 10.2 mm	19.2 x 16.8 in 488 x 427 mm	225 Hz	5, 30
5570	264	10/in ² 1.5/cm ²	0.19 x 0.54 in 4.8 x 13.7 mm	8.3 x 3.2 in 211 x 82 mm	1.4 kHz	100, 500
9500	392	25/in ² 3.9/cm ²	0.2 x 0.2 in 5.08 x 5.08 mm	2.8 x 2.8 in 71 x 71 mm	1.4 kHz	1200, 2000
9550	42	2.52/in ² 0.39/cm ²	0.6 x 0.6 in 16 x 16 mm	4.41 x 3.78 in 112 x 96 mm	10 kHz	500, 2000

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 High Speed *I-Scan* system listed below:

[Video Synchronization™](#) - Video sequences can be recorded and synchronized with your pressure data and visualized in Tekscan software, enhancing the utility of collected data.

[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.

[System Overview](#)

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

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