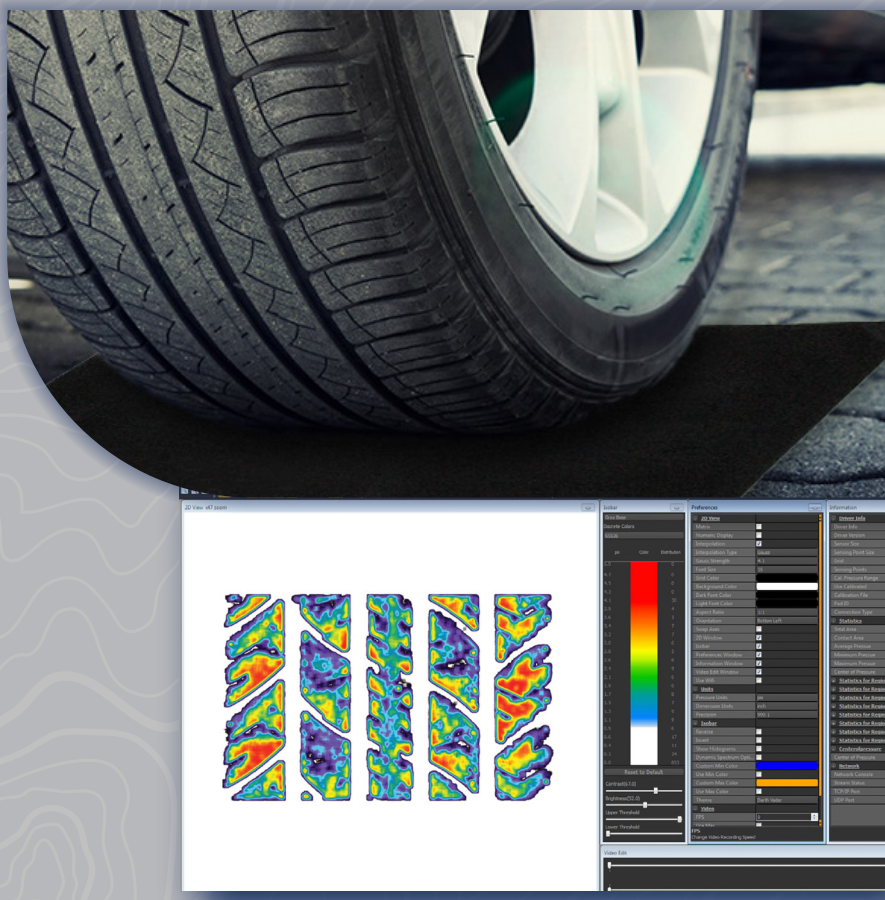
TIRE TREAD SYSTEM

Tactilus® is a ultra-high resolution pressure and force mapping system used to capture and assimilate data obtained from tire tread footprints. The Tactilus® sensor is placed at the actual interface between the tire and the road and upon application of force, captures and transmits this data to your Windows based computer where you'll see a detailed pressure map revealing high and low spots from across the surface of the tire.



Tactilus® not only presents detailed pressure maps in 2D and 3D format but a wealth of statistical data that is valuable in the analysis of tire tread footprints such as total contact area, average pressure, average force and histograms. Tactilus® software also contains sophisticated algorithms for smoothing, filtering and thresholding.

TECHNOLOGY	RESISTIVE INK
PRESSURE RANGE	0 - 100 PSI (0 - 7 KG/CM2)
MATRIX ARRAY	337 X 337
ACTIVE AREA	17 IN. X 17 IN. (43 CM X 43 CM)
SPATIAL RESOLUTION	1.27 MM CENTER TO CENTER
SCAN SPEED	8 TO 10 HZ
ACCURACY	± 10%
REPEABILITY	± 5%
HYSTERESIS	± 5%
NON LINEARITY	±1.5%
REPEABILITY ERROR	± 3%

Tactilus®

SPI SENSOR PRODUCTS INTL.
TACTILE PRESSURE EXPERTS

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