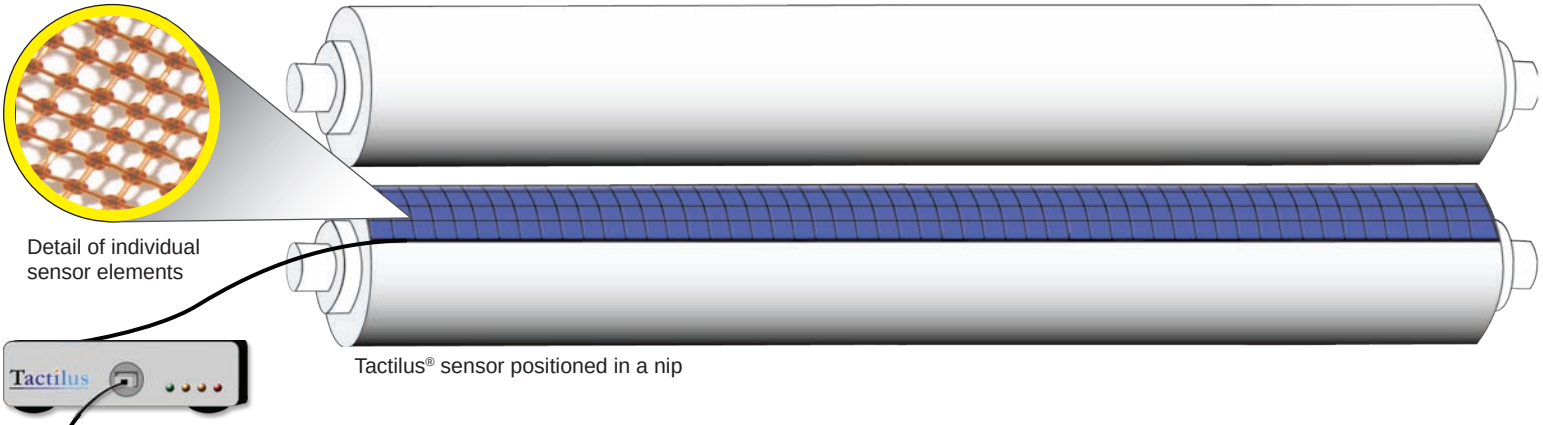
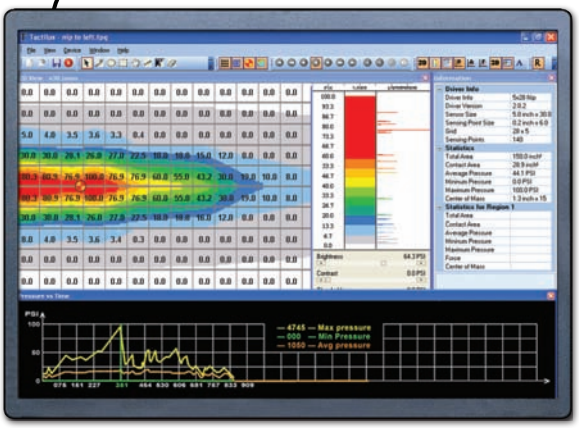
Tactilus®

REAL-TIME TACTILE PRESSURE ANALYSIS

Application: Nip Pressure



Tactilus® sensor positioned in a nip



Characterization of pressure distribution and magnitude across a nip

The Tactilus® nip measurement tool captures nip pressure and parallelism information from between any two mating rolls whether the surface is rubber, composite or metal.

Tactilus® is a real-time, static (rollers not rotating) sensor system that quickly and effortlessly allows for rapid nip contact pressure and distribution measurement. Even an inexperienced user will quickly gain valuable insight from Tactilus®. In just minutes, Tactilus® can be deployed across your nip interface and capture a wealth of valuable data.

The sensor is only one element of the overall Tactilus® system. Our user-friendly Windows® compatible software assimilates the information captured into intuitive, easy to interpret reports and images.

The Tactilus® nip measurement system aids with:

- Improving product yield
- Extending cover life
- Assuring compliance with GMP and ISO regulations
- Sharply reducing machine downtime

SPECIFICATIONS	
Technology	Piezoresistive
Surface Pressure Range	0 - 500 PSI (0 - 35.2 kg/cm²)
Grid Size	32 x 32
Sensing Points	1024
Total Sensing Area	Customizable up to 32 x 86 in. (81 x 218 cm)
Scan Speed	100,000 sensel/sec
Spatial Resolution	Custom from 0.5 in (1.3 cm)
Thickness	12 mils (0.3 mm)
Accuracy	± 10%
Repeatability	± 2%
Hysteresis	± 5%
Non-linearity	± 1.5%

"Tactilus® is delivered with the expectation that you'll want to integrate it into your existing process control software. To that end we offer DLL's and custom GUI's as a standard practice."

~ Jeffrey G. Stark, CEO

Actual sensor positioned on a nip ●Tactilus® software displayed on laptop

TACTILE PRESSURE EXPERTS
SPI
SENSOR PRODUCTS INC.

Sensor Products Inc.
300 Madison Avenue
Madison, NJ 07940 USA
Phone: 1.973.884.1755
Fax: 1.973.884.1699
www.sensorprod.com

www.sensorprod.com