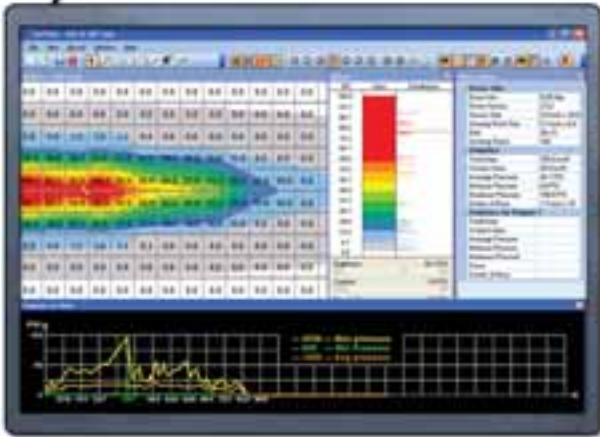
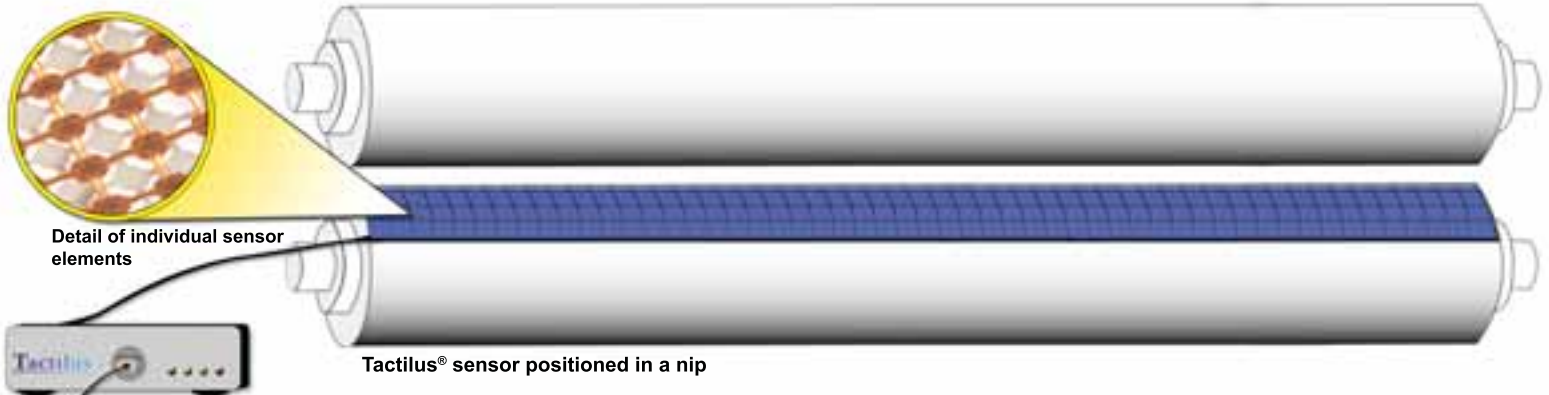


## Application: Nip Pressure



Characterization of pressure distribution and magnitude across a nip

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

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

SENSOR SPECIFICATIONS	
Technology	Piezoresistive
Pressure Range	0 - 500 PSI (0 - 35.2 kg/cm <sup>2</sup> )
Grid Size	Up to 256 x 256
Sensing Points	Up To 65,536
Sensor Dimension	Customizable up to 32 x 86 in (81 x 218 cm)
Scan Speed	Up to 100 hz
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 and GMP protocol. To that end we offer DLL's and custom GUI's as a standard practice."*  
 ~ Jeffrey G. Stark, CEO



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