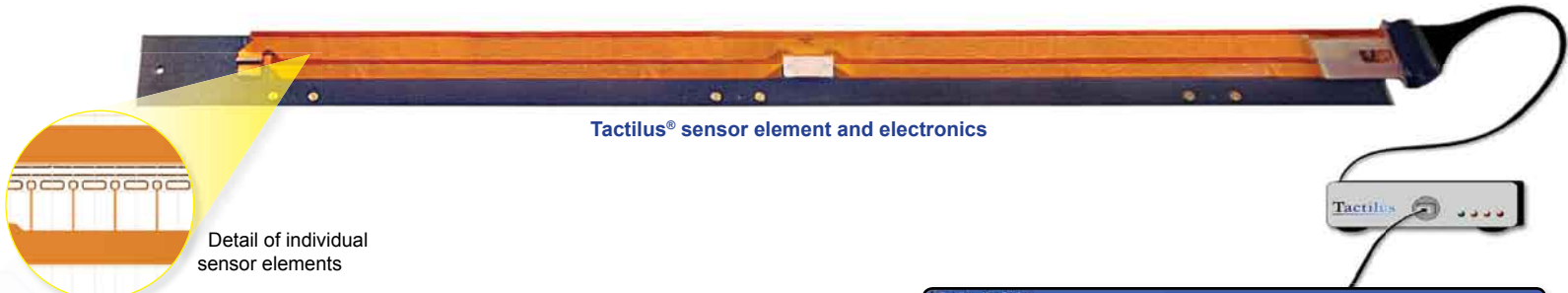
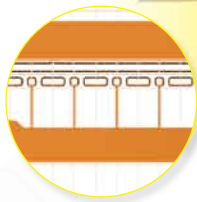


Application: Squeegee



Tactilus® sensor element and electronics

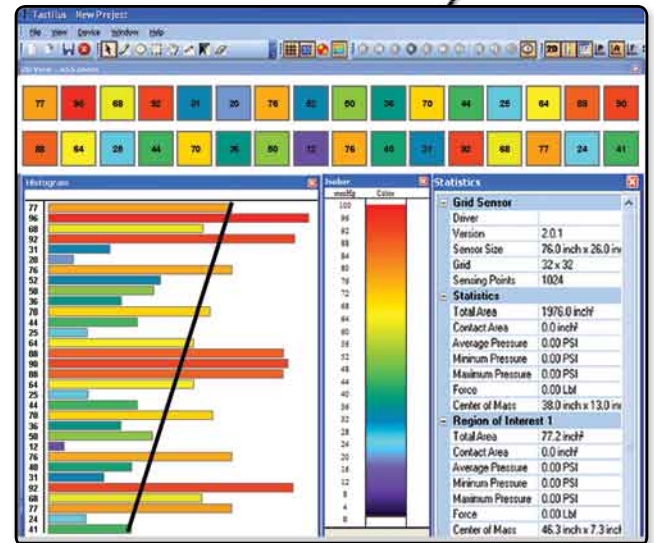


Detail of individual sensor elements

The Tactilus® squeegee measurement tool captures 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.



Screenshot of pressure distribution & magnitude

The Tactilus® squeegee measurement system aids with:

- Improving product yield
- Extending cover life
- Sharply reducing machine downtime

SENSOR SPECIFICATIONS	
Technology	Resistive
Pressure Range	0 - 30 PSI (0 - 2.1 kg/cm ²)
Array Size	1 x 440 lines
Sensing Points	440
Scan Speed	Up to 30 Hz
Spatial Resolution	Custom from 0.4 in (9 mm)
Thickness	25 mils (0.6 mm)
Max Sensing Area	0.4 x 36 ft (1 cm x 11 m)
Accuracy	± 10%
Repeatability	± 2%
Hysteresis	± 5%
Non-linearity	± 1.5%



Squeegee element in normal operation

"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