# Testing Equipment

## Sensor Products

www.sensorprod.com

Sensor Products, Madison, NJ USA, features nip products that are easy to use, quick and convenient.  "Companies need to keep their rollers working  around the clock - in good condition - and nips need to be checked through a process that is quick, convenient and accurate," says Vadim Shalyt, technical sales manager.
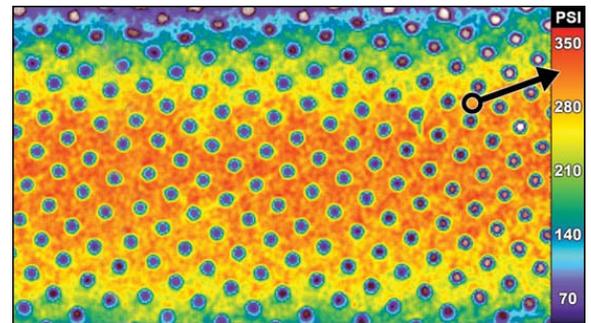
Pressurex® is the company's most popular  product. It is placed in the closed nip between rollers  where it instantaneously changes color proportional  to the pressure applied. "We keep getting thanked by clients who tell us it is unique in the market. You can  immediately see precisely how much the pressure is varying across the nip and make adjustments," Shalyt says.

Pressurex® can be used alone and compared to a color calibration chart, but the film can also be used with a hand-held nip  scanner called AutoNis®. "AutoNis® generates stunning images of very high resolution, revealing small surface defects that were previously indiscernible. It can therefore be used as a roll condition analysis tool. It makes it easier than ever to analyze nip film or carbon paper and ensures precise and quick profiling of any nip size," Shalyt says, adding that the software also provides line graphs that indicate both the nip pressure profile as revealed with Sensor Products' Pressurex® pressure profile and nip width between nipped rolls.

Sensor Products is also getting great feedback on DigiNip®, reports Shalyt, which is a small portable spot nip width reader for narrow webs. ''You just insert it into two points of the nip. Immediately you get two readings. One of our clients said it's a great unit because the gap adjustments can be made with the nip closed and you get real time results, and it's much easier and faster. The other good news is that DigiNip® is very inexpensive relative to its use because it is portable, can be shared frequently and can be used for several years," he adds. "The handheld diagnostic nip tools are so easy-to-use, they are definitely replacing carbon paper and messy inks and dies."



*The DigiNip®, from Sensor Products, with its elements placed between two contacting rollers*



*The nip pressure profile as revealed with Sensor Products' Pressurex®*