



ROLLER ALIGNMENT INSTRUMENTS

Never before has it been this easy to measure your roller alignment and pressure levels!

P-Nip® is a powerful new system that allows the quick and easy diagnosis of roller conditions – the nip pressure point. With minimal investment and no prior experience a user can quickly and accurately record spot nip (contact point between rollers) measurements at any section of your web or sheetfed process. P-Nip® sensing capability is as sensitive as it's case is durable – its ergonomic shell is impact hardened and water resistant.

No more time consuming and inaccurate nip measurements with carbon paper. Now nip readings can be determined instantaneously and adjustments made while the sensor is between your rolls! P-Nip® is also economical, just like your carbon paper; the sensor elements that connect into the P-Nip® device are designed to provide hundreds of readings before replacement by the user is necessary.

KEY ATTRIBUTES

- Battery Operated
- Portable
- No Training Required



Handheld P-Nip® device and sensor element



P-Nip® sensor element placed in a nip roller set

APPLICATIONS INCLUDE

- Coaters
- Small Laminators
- Office Printers
- Printers
- Production Rolls
- Small rolls

SPECIFICATIONS

Length (MD) of Sensing Area	1 in (40.6 mm)
Number of Sensing Regions	3
Width (CD) of Sensing Area	0.3 in (7.6 mm)
Sensor Gauge	5 mils (0.12 mm)
Battery	9v
Weight	0.6 lb (275 g)
Number of Readings per Charge	1,000
Number of uses per sensor	Approximately 200
Min. Pressure	14 PSI (1 kg/cm ²)
Max. Pressure	711 PSI (50 kg/cm ²)
Min./Max. Temperature	0 to 160°F (-17.7 to 71°C)
Min./Max. Nip Width	1/16 to 1/2 in (1.6 to 12.7 mm)
Accuracy	+ 2%
Repeatability	99.4%
Hysteresis	± 5%

System includes: Handheld Data Collector & Two Sensors

“Our goal was to provide printers and other web based industries with a maintenance instrument that could economically diagnose roller pressure and planarity issues and could fit in the palm of your hand. Our solution, Pnip, represents the culmination of years of research in nip pressure measurement.”

Jeffrey G. Stark
CEO

TACTILE PRESSURE EXPERTS



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