

LAYSCAN LAY LENGTH MEASUREMENT SYSTEM

LayScan Advantages

- ▶ Perform on-line, high-speed lay length measurements
- ▶ Use FFT analysis to monitor changes in lay length variations and take rapid remedial action
- ▶ Improve product performance by better controlling lay lengths and delivering a higher level of cross-talk performance
- ▶ Minimize product cost and scrap by optimizing the lay set and consistently control lay lengths over time
- ▶ Reduce the product development cycle through precise measurements of lay length values during design trials and experiments
- ▶ Allow standardized pair lays across various twinning systems and reduce the need to limit production scheduling to qualified equipment



The Beta LaserMike LayScan system uses new, advanced non-contact measurement technology to precisely measure the lay length of twisted pairs, enabling cable manufacturers to achieve the highest product quality and performance results.

Accurately and consistently measure the lay lengths of twisted pairs for high-performance category cables

The patented Beta LaserMike LayScan system accurately and consistently measures the lay length of twisted pairs used in telecommunication cables.

The system uses optical, non-contact measurement technology to perform on-line, high-speed lay length measurements. Providing high data rate capabilities, LayScan precisely determines the variations in lay length within each lay. It enables you to readily observe and measure systematic lay variations that are typically caused by twinning and cabling operations. A data acquisition system effectively collects and processes the lay length data and reports the measurement results.

System Specifications:

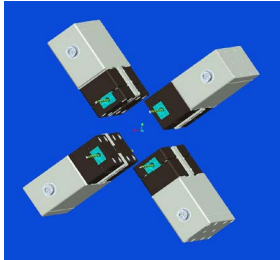
- ▶ Lay length: 6.35 to 25.4 mm (0.25 to 1.0 in.)
- ▶ Throughput speed: 7.62 to 152.4 m/min (25 to 500 ft/min or 5 to 100 in./sec)
- ▶ Accuracy: 0.025 mm (0.001 in.)
- ▶ Sensor Head Dimensions:
L: 13.97 cm (5.50 in.)
H: 11.27 cm (4.44 in.)
D: 4.45 cm (1.75 in.)

Lay Length



LayScan System

The patented, PC-based LayScan measurement system provides the ability to capture, display, and store the lay length data for up to four pairs. Includes four (4) individual pair lay sensors and the Beta LaserMike LaserSpeed® Pro 9500 non-contact gauge for the ultimate in performance. Software includes operator interface screens to display measured lay lengths. Data collected during each acquisition event is available for local storage on the PC. Includes system cabling.



4 Pair Lay Sensor Heads



LayScan Controller

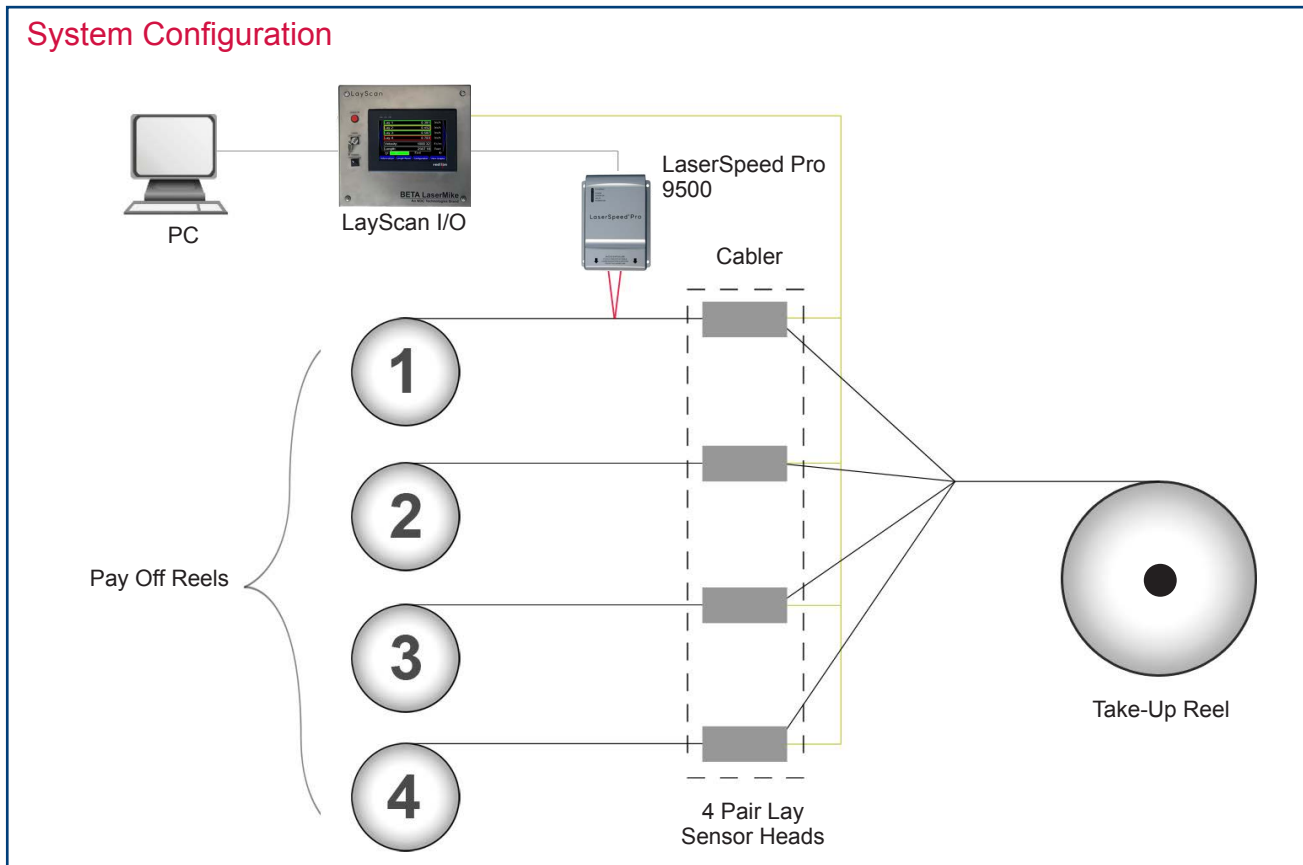


LaserSpeed Pro 9500
Non-Contact Gauge



LayScan PC
Software

System Configuration



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