

WEB RANGER

On-Line print measurement system will ensure:-

- **On-line accurate print length control**
Able to meet customers quality standards with minimum waste at higher press speeds.
- **Eliminate waste during multi-part set production**
Control and manage the print length for correct assembly of multi-part sets
- **Better management of tension control**
Allows minimum pressure to be used on nips rolls and between the nips this means less web tension, less wear and tear, together with more sensitive tension control.
- **Improved control of flexible substrates**
With better management of tension between the in-feed and out-feed thinner and more flexible substrates can be printed at higher press speeds.
- **Laminating is now a science not an art form**
Improved length control, less waste and the guarantee that only useful product reaches the customer.
- **Rewinding**
Measuring the print length on a rewinder means better control snapback.
- **Automatic length control**
Automatic on-line length measurement is now possible.



Now with dual output analogue closed loop control.

The TecScan Web Ranger is a PC based system which displays in real time print length measurements of every repeat as a double histogram. This allows real time and long term monitoring, allowing analysis of the various parameters that affect print length. The system does not require any special photo/detector eye marks to be printed.

The system also incorporates programs to archive records of the production run and to make individual reel printouts, allowing customers to be given hard copy Quality Control record. Print length accuracy on a web press is an important part of customers' specification, particularly as thinner, filmic substrates make print length more difficult to control.



BASIC SPECIFICATION

Arithmetic interface micro-controller unit

Selected high resolution shaft encoder

Software package runs in Windows environment

Displays individual repeat length measurements and a rolling average scrolling histogram

Archiving production records and individual reel printouts

Operator easy calibration procedure

Resolution < +/-0.1mm/1000mm

