

SLITTER-REWINDERS BENEFIT FROM SEGMENTED TENSION ROLL TRANSDUCERS



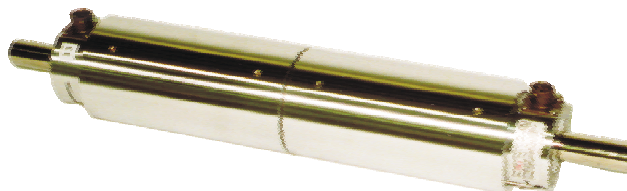
In recent years converters of extensible materials have been seeking the capability to measure and control process tension on two or more parallel web sections as they are being wound onto individual roll cores on the same machine.

For those converters performing inline slitting and winding of film, gauge band variations across the substrate add a dimension of process variability that can make close control of tension on the resulting web strands critical. Even when differential winding shafts are used, uniform winding tension is required to achieve roll-to-roll consistency of the finished rolls.

Dover Flexo Electronics (DFE), a manufacturer specializing in tension measurement and control solutions, has successfully been able to address the winding concerns of slitting converters with specially designed idler rolls that provide individual tension sensing on separate segments across the roll face.



SKB (Shisk-Ka-Bob) Tension Transducer Roll with ten individual tension sensor idler modules side-by-side on one roll shaft. Segments are 6" wide by 6" diameter with 25 pound load ratings. The 1 1/8" diameter shaft is 68" long.



Dual segmented tension sensing roll

In cases where only two segments of six inches or more are required, DFE offers low cost tension sensing by modifying either of two well-known DFE transducer products: the TR Tension Roll® transducer or, for a cantilevered roll, the NWI Narrow Web transducer.

Dual or multiple-segment tension transducer rolls bring several benefits to converters using them in slitter/rewind applications:

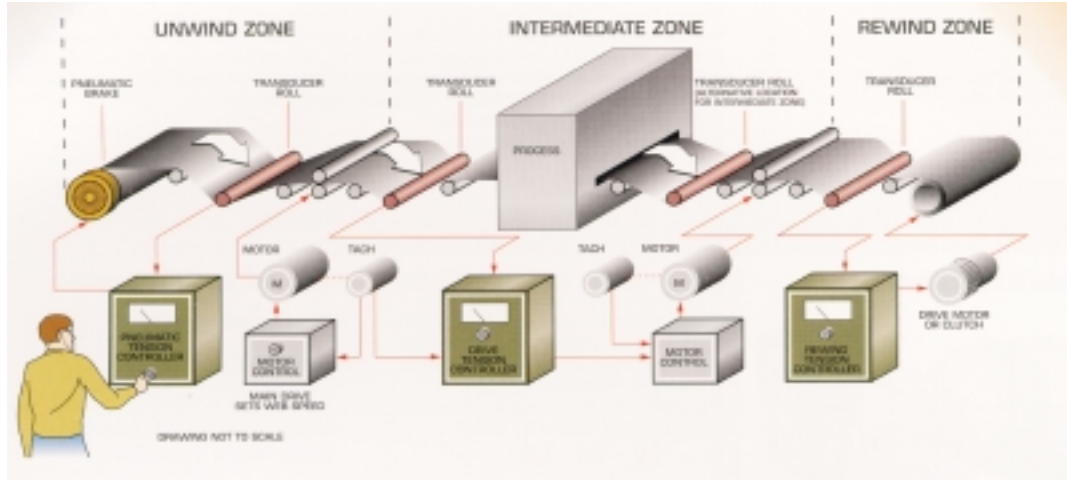
- Better overall winding control with tension control on individual web strands.
- Fewer possible web thread-up configurations versus multiple tension-sensing rolls keeps the winding application cleaner and simpler.
- Fewer tension-sensing idler rolls and less space are required to achieve good multi-strand tension control.

www.dfe.com/734appFilmSlitting.pdf



INFO REQUEST

www.dfe.com controlling process tension



Stable tension control compensates for process deviations that cause web and roll defects. It's a fact. Dover Flexo tension measurement components or a closed loop control system can be integrated smoothly into your press' web path in only the tension zones that need them.

For fast information complete and **fax** this form to DFE at **(603) 332-3758**. Or call us at (603) 332-6150.

Name _____

Company _____

Address _____

City _____ State _____ Zip _____

Tel. _____ E-mail _____

We manufacture/process (material):

The project we're considering involves:

Send me your recent white paper on:
**"Improving Web-Processes with
Direct Tension-Sensing"**

Please send:

- Product Guide (14 page overview)
- DFE catalog (80 page 3-ring binder with complete product specs)
- CD ROM with product CAD library
- Tension Transducer data sheets
- Indicator/Transducer interface data sheets
- Tension Controller data sheets
- Pneumatic Brakes Catalog
- Application Note/Case History on: _____
- Data sheet on: _____
- Other: _____
- Have a Sales Rep call me



THE TENSION CONTROL SPECIALISTS

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