



www.dfe.com controlling process tension

## MAKING IT EASIER TO UNWIND AT THE PAPER MILL NEW BRAKE MEETS HIGH TORQUE CHALLENGE

A&F Corporation, a machinery builder for the paper industry, recently completed the start-up of a slitter/rewinder machine at a North American paper mill. The slitter/rewinder is used for processing heavy paperboard into liner-board for beverage packaging.

The machine's web unwind-stand has an unusually high torque requirement (127,000 in-lbs, or 11,000 ft-lbs), which Dover Flexo Electronics (DFE) was able to meet with a large (thirty-inch diameter), heavy-duty

are covered by a 5-Year Warranty and a separate "No-Squeal" Warranty.

Web process deviations usually end up having a negative effect on productivity and product quality. By reducing scrap and allowing the slitter/rewinder to run at high speeds with defect-free output, well-managed web tension will improve the mill's bottom line performance.

The initial investment in Dover Flexo Electronics tension measurement and control equipment--typically lower than other capital expenditures-- is often returned in material savings within a few weeks of use.



pneumatic tension brake: the new **3000 Series Dual Disc brake**. DFE supplied three of these brakes for use on this single unwind stand built by A&F.

The paperboard (150 to 450 lb.) being run is 128 inches wide and from rolls that weigh 24,000 pounds starting with a roll diameter of 90 inches. The line runs at 3,500 feet per minute and at 2,800 pounds of total tension.

The **3000 series Dual Disc brake** was designed to meet heavy industrial demand, particularly from the paper industry, and has been added to DFE's range of brake products as the largest brake the company manufactures.

The **3000 series brake** is offered with DFE's unique *Universal Actuator* system, which allows quick changeover of worn friction pads when replacement is necessary. All Heavy-Duty Dual Disc brakes from DFE



*Dover Flexo application engineer, Walter Rothe, beside a 3000 series dual disc brake assembly. (Note the dual disc for a 60 series brake over Walter's left shoulder.)*

[www.dfe.com/427app2d3000AF.pdf](http://www.dfe.com/427app2d3000AF.pdf)



THE TENSION CONTROL SPECIALISTS

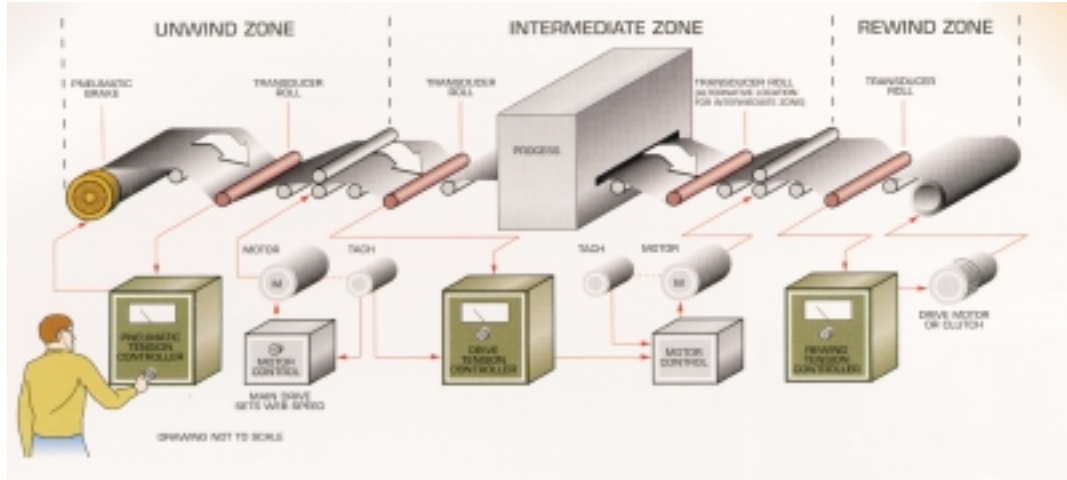
**DOVER FLEXO ELECTRONICS, INC.**

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# INFO REQUEST

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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 \_\_\_\_\_

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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



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