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The Mechanics of Web Handling

By David R. Roisum

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The Mechanics of Web Handling is the third book in Dave Roisum's trilogy. *The Mechanics of Winding* and *The Mechanics of Rollers* are also available from TAPPI PRESS.

This unique book covers many aspects of web handling for manufacturing, converting, and printing. The book is applicable to any web including paper, film, foil, nonwovens, and textiles. *The Mechanics of Web Handling* is designed for product, process, and maintenance engineers responsible for web machinery. Through this valuable text, readers will better understand how to design and operate machinery to avoid wrinkles, web breaks, registration, guiding, and other types of costly web problems.

Fourteen chapters cover the following topics:

- Introduction to Web Handling
- Material Mechanics
- Dimension Control
- Tension and Tension Control
- Downweb Tension Variations
- Crossweb Tension Variations
- Temporal Tension Variations
- Guiding
- Nips
- Slitting
- Spreading
- Winding
- Wrinkling
- Web Breaks

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