New Patent Pending Super Rapid Thread Pre-Stretch Film Carriage

Based on extensive field research with actual users, the Cousins Team has perfected a new pre-stretch film carriage technology implementing a pressure balanced nip roller system to deliver pre-stretch results that are far more precise to the pre-stretch ratio than current industry standards.

Four precision bearing aluminum rollers pivot and rotate around the pre-stretch rollers on two axes of rotation. They lock into place through counter-pressure applied from the opposing roller (see Fig. 2). This increases film to roller contact and significantly improves traction. There are no springs that can compress under load to create a gap and allow film slippage.

- Saves money through improved performance, greater film to roller contact for maximum film yield.
- Counter-pressure maintains "nip roll" engagement throughout the wrapping process. "No springs".
- Reduced slippage means improved film clarity for scanning barcodes.
- Can be retrofitted to most competitive wrappers with a field retrofit kit.

Take advantage of the maximum pre-stretch capabilities of today's hi-tech films with the patent-pending Super Rapid Thread Carriage. This exciting new breakthrough in pre-stretch technology dramatically improves pre-stretch carriage performance.

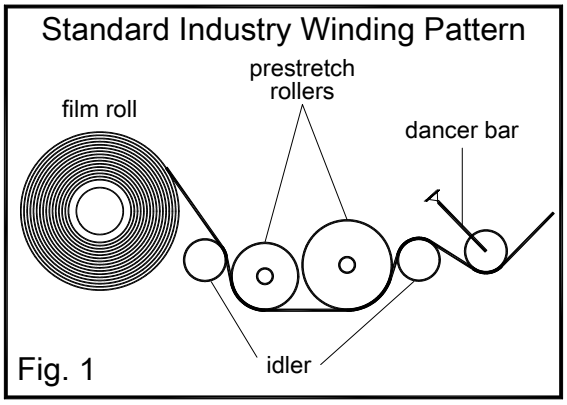

Fig. 1

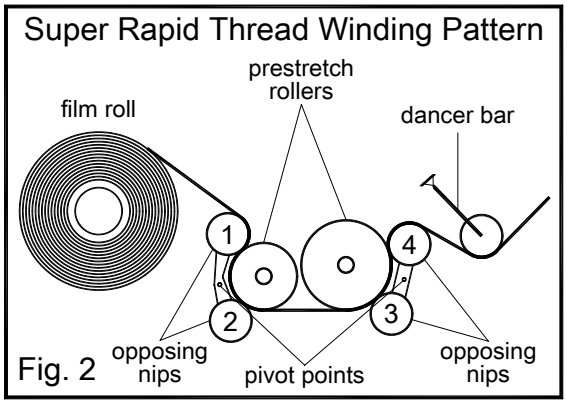

Fig. 2

Standard safety-door style film carriages are inherently inefficient as a result of low film to roller contact. This results in film slippage. The higher the pre-stretch ratio, the greater the slippage, the lower the film yield and the higher the cost of film used per load. Also resulting from film slippage is poor film clarity, which prevents bar code readers from reading through the film.

Nip-rollers #2 & #3 are fitted on the film carriage door. As the film carriage door is closing there is contact and pressure applied between nip-rollers # 2 & #3, and the pre-stretch rollers.
This increasing pressure as the door closes is in turn transferred to nip-rollers #1 & #4, causing them to rotate in against the back of the pre-stretch rollers.

105 Claireport Crescent, Etobicoke, ON M9W 6P7 CANADA Phone: 1-888-209-4344 Fax: 1-416-743-1831