



What is Powered Pre-Stretch?

Pre-stretching film is separate and isolated function from the actual stretch wrapping of the pallet. Where as all films must be somewhat stretched in order to provide film tension they may not need to be stretched before application. Pre-stretching lengthens (yield) and thins (gauge) film prior to it's application to the load. This increases the film by being longer and decreases the load holding force by producing thinner lower gauge film. A pre-stretch film system also helps reduce the necking down (narrowing) of the films width to provide an increased film coverage with each turntable rotation.

20" POWERED PRE-STRETCH (PS)

Our Powered-pre-stretch system allows film to be stretched 200% (standard) by using two urethane rollers turning at differential speed. The dancer system utilizes a rocker idler roller, which turns on and off the pre-stretch drive motor in response to the film tension. The PS will pre-stretch your film to the load adding minimal force to light loads and obtaining higher film yield. Most machine grade films are designed to yield about 225% and the PS will offer film savings, tight load containment and simplicity to your operators.

Note: Optional gear switches to 250% and 300%

FILM GAIN

One costing concept describes both the amount of film "stretch" received, and the resulting width of the stretched film. It is called "Film Gain," and is expressed as a percentage - as is film "stretch".

If a 20" wide piece of film which is 10" long is stretched until it is 20" long, the film has been "stretched" 100%. If this film sample is now only 10" wide, it has still been "stretched" 100%, but its percentage of "Film Gain" is 0%.

The film sample still contains 200 square inches of film (20" x 10").

High "Film Gain" efficiency is much more important to users of stretch wrap equipment than "stretch" levels (which it encompasses) because "Film Gain" efficiency translates directly into lower wrap costs and quicker wrap times for customers. Because the film is wider, fewer vertical spirals of film are required to wrap the load.

A NitechIPM pre-stretch system will give a "Film Gain" as high or higher than any other comparable prestretch device because it is not only adjustable in stretch level (gear switches), its design keeps the film as wide or wider than any competitive equipment.