

Title:

An Introduction to Shrink Wrap Machinery

Word Count:

900

Summary:

The shrink wrap process involves two stages ~ the enveloping of the pack in shrink wrap either

Keywords:

Shrink Wrapping, Packaging, Polyethylene, Transit, Shipping, Transportation, Industrial, Machi

Article Body:

The shrink wrap process involves two stages ~ the enveloping of the pack in shrink wrap either

The application of shrink wrap can be divided into two principal types ~ transit and display.

Transit

The purpose of transit packaging is to offer the lowest cost option for packaging. The materia

The equipment used involves a sleeve or bundle sealer working in conjunction with a shrink tun

A considerable amount of automation is offered for this process so that one may find a full ra

The processing of polyethylene is distinguished by the need for the shrink wrap film to reach

All of this equipment may be used to wrap individual packs where collation is not required but

Display

The identical processes are also applied but with display shrink film where products have a na

Turning to mainstream display applications, the main characteristic is the use of a total wrap

In every single case, the sealer must now create a flat, two-dimensional bag around the produc

The product and this bag are then processed through a shrink tunnel to achieve the desired eff

At the most basic level, this is achieved using an L-Sealer and folded film. The product is ma

Automation is applied to the seal head and also to the pack support. Then, the seal process an

Full automation of an L-sealer will allow packs to be automatically fed into the film and thro

Manual vs. Automatic

Over the last few years, there has been a general polarisation of the above machines into manu

Costs also have a significant influence here since entry level equipment can be purchased at s

The conventional use of a manual sealer and tunnel has been significantly reduced by the use o

The maximum output that can be achieved from a fully automatic sealer will be in the order of

As a consequence, both side seal and flow wrap machines are used to offer speeds approaching 1

Frequently, flat film is used although folded film is still applied by a number of machines. T

Cross seals involve the seal device travelling with the pack whilst side seal or overlap seal
These same machines may be applied to other bagging requirements ~ in particular the mailing o
Machinery can be specifically customised to take advantage of any shrink wrap film's particul

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