

Stretch hoods

Wrapping all types of pallets with stretch film in a hermetic, fast, cheap and firm way.

Application:

- in every industry where pallets are being used.

Way of working:

1. Full pallet, by means of a roller conveyor or a fork lift, is put on a platform of a machine for hoods application.
2. Electric sensor measures the height (in more sophisticated models all dimensions) of a pallet so as to choose a proper hood's dimension.
3. After proper hood's dimensions are set, a film is cut from a roll and its ends are sealed.
4. The hood is extended on four mechanical arms, which move along a pallet till its bottom.
5. When arms are lifted, film goes back to its original form and tightly wrap a pallet.



Advantages:

- Higher quality of packaging process. Pallets wrapped with stretch hood are water proof as it is applied on entire pallet till its bottom.
- The technology of hoods application does not require the use of a warming oven. Hence the energy consumption is on a very low level, which at the same time increases the safety at workplace and decreases the insurance premium (as it lowers the risk).
- Stretch hood adopts itself to the shape of a pallet, which allows to operate irregularly shaped pallets.
- Stretch hoods does not stick to products on a pallet.
- The technology of hoods application is very fast, even more than 150 pallets/ h in a single lane.
- One size of hood enables to wrap different types of pallets. With two sizes of hood, it is possible to wrap most of standard pallets, from half pallets (60 x 80 mm) to double pallets (120 x 160 mm).
- Aesthetic value. Stretch film is incredibly transparent.
- Film consumption is low which decreases material costs.
- Low maintenance costs in comparison with other packaging systems due to fewer moving and heated parts.



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Comparison of different packaging systems:

Factor	Stretch hoods	Shrink hoods	Stretch film
Holding strength	Highest	High	High
Energy consumption	Low	High	Low
Roll change	Fewest	Few	Many
Film consumption	Low	High	Low
Aesthetic value	Highest	High	Low
Manual wrapping	No	Yes	Yes
Automatic wrapping	Yes	Yes	Yes
Water proof	Yes	Yes	No
Efficiency	<200 pallets/h	<100 pallets/ h	< 100 pallets/h
Packaging safety	High	Low	High
Film recycling	High	High	Low
Investment costs	Medium	High	Low
Inscription possibility	High	High	Low
Pallet diversity	Medium	Low	High

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