ADHESLEEVE

ROTARY linerless roll-fed pressure sensitive labeler suitable to apply wrap-around pre-glued labels

SHEET

- Type: rotary roll-fed labeler
- Application: plastic pre-glued label from reel.
- Possible labeling combination on the same labeler.
- Suitable to handle cylindrical and shaped (rectangular, square, oval and so on) containers, even empty.
- Production speed from 60 to 1,000 bpm, depending on the model.

Technical features:
The two MACROPROBLEMS typical to this type of labeling machine has been eliminated in one go.

Standard Roll-fed machines utilize:
- HOT MELT Gluing the label edges by means of a glue roller is known to present some disadvantages:
  - glue spray and relevant cleaning of the application cylinder;
  - deposit of residual films or labels in the glue regulator (production stops due to cleaning operations);
  - periodic cleaning of the pads during the working shifts;
  - oily fumes produced by the glue heating (150°C);
LABEL CUT until today, on all roll-fed machines, the label cut is performed by interaction of rotary cutting blades and one or two fixed ones. The difficulties in the adjustment of the blades during their replacement (4 to 6 hours) are well-known, as well as the production stops due to imperfect label cut.

**ADHESLEEVE**
Is the cheapest and most ecological solution in the field of Roll-fed labeling. It uses reels with already applied glue strips, which are applied to the label during the film converting process.
ADHESLEEVE is a type of labeling machine which uses pre-glued transparent or white roll-fed film with thicknesses lower than the films that are normally used on the classic Roll-Fed labelers.
Due to the use of thermal-shrinkable pre-glued roll-fed films, Roll-Adhesleeve, on the same machine, is able to handle shaped containers creating a Sleeve-type packaging at definitely lower costs (40% savings), granting the same packaging quality.
ADHESLEEVE allows the reduction of the label costs granting at the same time a higher efficiency of the labeling machine and of the line in its totality.
Eliminating the use of the hot melt is the first major innovation which hallmarks this machine offering the following advantages:
- environmental: absence of fumes produced by heating the hot melt (to around 150°C);
- sanitary: it is no longer necessary to utilize solvents to clean the label application cylinder (having eliminated the hot melt no residual glue is left to clean)
- ecological: the absence of hot melt makes the label free from any contamination, so 100% recyclable, together with the bottle and the cap.

The second important innovation introduced by this new labeling technology is the method of label cut. As this is no longer affected by fixed cutting blades interacting with rotary ones, several BIG PROBLEMS are easily solved:
- Adjustments: not necessary to adjust the cutting unit for various film thicknesses, considerable changes in the ambient temperature, no worn out blades etc.
- Replacements: it takes only 10 minutes (at most) to replace the cutting devices without tools or adjustments! The life of the new cutting devices is much longer than the classical cutting system;
- Efficiency: 100% elimination of production stops, potentially due to imperfect label cut, film stretching with consequent reduction of its thickness, different film thicknesses due to an excessive quantity of paint on a reel, etc. The new cutting devices do not require any servicing or adjustment. Films with a different thickness from standard ones can be used.

**VERSIONS**
“CI” Version

Type of labeling : pressure sensitive
Production speed : From 6,000 to 60,000 bph
N. of labels to be applied : 1
Label length : Up to 640mm
Containers to be handled Cylindrical - even empty
Container Ø : Max 200mm

“CR” - “SM” - “BL” Versions

Type of labeling : pressure sensitive
Production speed : from 7,000 to 60,000 bph
N. of labels to be applied : 1
Label length : Up to 640mm
Containers to be handled Cylindrical and shaped (rectangular, square, oval and so on) - even empty
Container Ø : Max 200mm

FAQ

FAQ: ADHESLEEVE
FUNCTIONING
1. Which are the storage times of pre-glued reels?
   Storage times are provided by the converters, but we can assert that, without prejudice to the ambient conditions recommended for the standard label reels, the pre-glued reels have the same storage times. (As per the technical sheets issued to the customers)
2. Will the label reels, which are pre-glued and on which the glue is applied in register, leave glue traces / filaments on the pull rollers causing machine stops?
   Due to the experience gained with this type of machine, we can unconditionally rule out this problem.
3. Can the temperature range, that can be registered in a bottling plant, affect the cutting blades?
   Absolutely not.
4. Can a label reel featuring any defect in thickness (even of a few micron) cause problems in the label cut with relevant machine jams?
   This kind of problem won’t arise, if the range of thicknesses supplied by us is followed.
5. Is it necessary to adjust the cutting blades, as it is for a standard Roll-fed machine?
   The new cutting system does not require any blade adjustment.
6. Standard Roll-fed machines require, after a variable amount of working hours, a machine stop to clean the transfer pads from any residual glue. Shall this cleaning operation be made on the new system as well?
   No, the features of the new machine do not require for this operation.
7. Could any condensation on the bottles cause problems during the application of the labels?
   The bottles should be almost dry, as per any standard Roll-fed machine.
8. Can the label be applied on both plastic and glass containers?
   Of course, the label can be applied indifferently on PET, PE, HDPE and glass containers.

APPLIED LABEL
1. Is it possible that the label overlap on both cylindrical and square bottles presents waving edges?
   The homogeneous spreading of the glue on the reel, both on the leading and on the closing edges, best grants the overlap’s hold, even in case of thermal-shrinking of the label on the container.
2. Should the containers/bottles be stored for a long time, would the glue crystallize thus making the labels detach? The water based adhesive, which is used in this case, has an excellent resistance to aging and oxidation due to UV rays. From the data supplied by our customers with regards to containers stored for 24 months in various conditions, no glue abjection/oxidation, and the consequent label detachment, occurred.

3. By storing the containers normally in the fridge, will the condensation that usually develops in room temperature conditions cause the label detachment? Several tests that have been carried out in the last months at all temperature ranges and they have removed the slightest doubt on this hypothetical problem.

4. Is the aspect of the label affected by the glue application during the converting process? No, the aspect of the label will remain unchanged in the course of time.
What is it?

It is the most economical and ecological solution for Roll Fed Labeling.

Pre-glued label/film.

New? Not really, it’s been the simple evolution of the adhesive tape technology since 1950.

Today, any converter (with 2 – 3 hours of training carried out by PE) can begin producing pre-glued roll fed labels, using standard materials available on the market.

So pre-glued labels = easy to produce, easy to find.

¿Qué es?

Es la solución más BARATA y ECOLÓGICA para el etiquetado roll-fed (por bobinas).

Etiqueta/film pre-adhesivado.

¿Novedad? No, es la simple evolución de la tecnología utilizada en las cintas adhesivas desde 1950.

Actualmente, cualquier convertidor (con previamente 2 – 3 horas de formación por parte de P.E) es capaz de pre-adhesivar films para etiquetas, usando materiales estándares comercializados.

Por tanto etiquetas pre-adhesivadas = sencillez de producción, facilidad de localización.

O que é?

É a solução mais ECONÔMICA e ECOLÓGICA para a rotulagem roll-fed.

Rótulo/filme pré-adesivado.


Qualquer convertedor hoje (após 2-3 horas de treinamento por parte da P.E.) tem condição de aplicar o adesivo sobre o filme, utilizado materiais padrões de mercado.

Portanto rótulos pré-adesivados = simplicidade de fabricação, facilidade de aquisição no mercado.

All goals achieved! - ¡Se han centrado todos los objetivos! - Todos os objetivos foram alcançados!

- **SANITATION:** no harmful products, such as solvents or other chemical products necessary to clear the labeling system.

  - **SALUTISTAS:** no se utilizan productos nocivos para la limpieza del agregado de etiquetado, como solventes u otros productos químicos.

  - **DE SAÚDE:** não se utilizam produtos nocivos na limpeza da estação de rotulagem tais como solventes ou outros produtos químicos.

  - **ENVIRONMENT:** elimination of toxic fumes from hot melt glue, positive for both the environment and the plant employees.

  - **AMBIENTALES:** ausencia de sustancias oleosas y olorosas desagradables derivadas del uso de cola en caliente.

  - **AMBIENTAIS:** ausência de fumaças oleosas e odor desagradável derivantes da utilização de cola quente.

  - **ECOLOGY:** the glue (water-based acrylic polymers) is 100% recyclable, along with the PET containers.

  - **ECOLÓGICOS:** la cola (polímeros acrílicos con base de agua) es ecológica y reciclable al 100% con la botella de PET.

  - **ECOLÓGICOS:** o adesivo (polímeros acrílicos a base de água) é ecológico e 100% reciclável junto com a garrafa PET.

  - **ECONOMICAL:** Adhesleeve technology makes container decoration/labelling less expensive.

  - **ECONÔMICOS:** a tecnologia Adhesleeve reduz consideravelmente o custo da rotulagem da embalagem.
The most cost effective, advanced and flexible solution for thermal-shrinking for decorated Roll-Fed Labeling. 
Economy and practicality in one labeling system: Adhesleeve – Only by replacing the type of Roll Fed Film!

- A solución más flexible, rápida y barata para el envasado termo-retraído. 
Economía y practicidad, cambiando sólo el tipo de film y con una única etiquetadora: Adhesleeve.

- A solução mais flexível, rápida e econômica para a decoração com termo-encolhimento. 
Economia e praticidade, trocando somente o tipo de filme e com uma única rotuladora: Adhesleeve.

Adhesleeve machines operating worldwide
Adhesleeve funciona en cualquier parte del mundo
Adhesleeve em operação em todas as partes do mundo

USER: the PE. Adhesleeve labeling system is user friendly, WITHOUT THE NEED of a skilled labeler operator. The profession training is simple and quick, and the technology is similar to pressure sensitive.

UTILIZACIÓN: la utilización y el mantenimiento de la máquina NO REQUIEREN personal especializado. La formación del personal, simple y breve, es muy parecida a la de una etiquetadora autoadhesiva.

UTILIZAÇÃO: o uso e manutenção do equipamento NÃO NECESSITA de pessoal especializado! O treinamento do pessoal, simples e rápido, é muito parecido com aquele de uma rotuladora auto-adesiva.

LONG LASTING RELIABILITY: we offer 5-10 years maintenance programs at fixed costs, which are definitely lower than costs for a standard hot melt roll fed labeling machine (-40%).

FIABLE A LO LARGO DEL TIEMPO: proponemos paquetes de mantenimiento programado a costes fijos para 5-10 años, con costes netamente inferiores a una tradicional etiquetado roll-fed con cola en caliente (-40%).

CONFIÁVEL NO TEMPO: oferecemos pacotes de manutenção programada a custo fixo para 5-10 anos com custos inferiores comparados aos de uma rotuladora roll-fed tradicional com cola quente (-40%).

User friendly
Facilidad de utilización
Facilidade de uso

2031
Long lasting reliability
Fiável a lo largo del tiempo
Confíável no tempo