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GLUING

SILICONE RELEASE LINER

Cost-effective Silicone Release Liners
for Shipping Packaging

SILICONE RELEASE LINERS FOR SMOOTH PACKAGING

Shipping packaging, padded envelopes and envelopes with silicone release liner are particularly popular.

A widespread solution for self-adhesive closures is double-sided adhesive tape. However, this is costly in procurement and further processing. Adhesive tape rolls have to be replaced at short intervals and thus cause constantly machine downtimes and increased operating effort. Furthermore, the silicone strip can only be removed very poorly.

Efficient Solution:

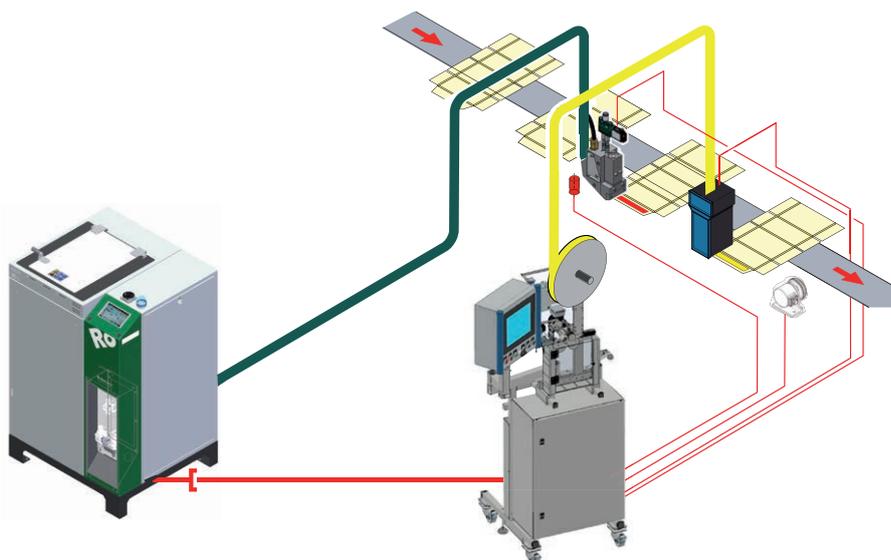
Hot Melt Adhesive and Silicone Paper

A narrow strip of PSA hot melt adhesive is applied using a coating nozzle to a cardboard flap, usually the lid of a packaging. Next, a silicon paper is positioned precisely on the glue trace using a dispenser for protection. The paper strip is usually slightly longer than the underlying adhesive application for easier removal. To ensure that the silicone paper strip can be applied precisely, the adhesive application must be very precise from start to finish.

Unlike an adhesive tape, the amount of adhesive can be adjusted flexibly and simply, depending on the surface and use (corrugated or solid cardboard). This can reduce adhesive consumption and lower costs. Furthermore, the flexible adjustment ensures the correct adhesion for later, secure closure. Settings and format changes are easy and quick via an integrated touch control panel.

Advantages

- Increased productivity and machine availability
- High-quality silicone release liners through precise adhesive application even at high speeds
- Millimeter-precise transport and positioning of the silicone strip material
- Cost reduction over double-sided adhesive tape
- User-friendly touch panel for easy format change and adhesive amount adjustment
- Local contact through a worldwide network of sales and service teams



Hot melt adhesive application with JumboFlex or Concept melter and FK IT coating head

Silicone paper positioning and tear strip with Enpro