

Gecko – The new start- and end-glueing system



Basis

Only two solutions are currently available for start and end gluing on winders:

Cold glue systems for light and medium weight paper grades, which require the applicator nozzles to be “parked” in a water bath to stay functional, and taping systems for heavier paper grades, which are cost and maintenance intensive.

Both solutions operate by contacting the paper web thus requiring mechanical activation elements and an on-going need for adjustments and fine tuning.

Our solution

The Gecko hot melt system

This system applies the glue without contacting the paper and is suitable for light as well as heavy weight paper grades. With this innovative gluing device, perfect gluing results are achieved. Even at higher application speeds, a clean, neat and consistent glue application provides secure attachment of the paper webs.

The glue is applied with a spin-spray method and short glue tracks are sufficient for good adhesion. The glue is continuously circulated throughout the system to avoid hardening and clotting.

Your benefits

- High process reliability
- Suitable for all paper grades
- Strong and long lasting adhesion
- No limitations in gluing-, web- and set change speeds
- Easy maintenance
- Low operating costs with low glue consumption
- Circulation principle avoids clotting or hardening of the glue
- Approved for indirect contact in food processing

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Fig. 1: Glue bar with spraying units

Fig. 2: Spin-spray method

Fig. 3: Glue application

Fig. 4: Smelting device with control system



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The complete system consists of the heated glue beam with applicator modules, valves for glue and spray air, heated supply hoses and the glue melting unit. The unit can be controlled either with a small stand-alone PLC or controls can be integrated into the existing winder control system.

Power Tack

The hot melt Power Tack was developed especially for the new Gecko system. It works with all common paper and board grades and is characterized by its high adhesive strength and its long open time.

In the event that Power Tack enters into the recycling process with the carrier material (paper or board), the glue will easily separate from the carrier material and can be securely filtered out.

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