

Cleverly packed.

Efficient cooling solutions for the packaging industry.

Wir bedanken uns für die Zusammenarbeit bei:



How do cat litter bags actually become leakproof? Or: How modern bag closing machines are cooled.

For over 60 years, Meypack in Nottuln-Appelhülsen has been an expert for solutions in the fields of carton packaging technology, film packaging technology, palletizing/depalletizing technology and bag closing technology.

In a bag sealing machine (also known as a conveyor belt sealing machine), plastic bags are sealed or internally coated paper bags are sealed - in this case paper bags for cat litter. The bags are closed so that no dust can escape from the bag and contaminate the environment.

How does the machine work?

The paper sacks coming from a filler are placed on a conveyor belt, whereby the upper edge of the sack or bag is also gripped by a pair of toothed belts and guided through the machine.

The paper bags are provided with a hot-melt adhesive edge in the upper area, which is first melted and then pressed and finally cooled under pressure. In the case of plastic bags made of PE, the sealing area is welded directly.



In the first belt station, the splice is heated to softening temperature using heating elements. To prevent the sensitive outer surface of the bag from sticking to the hot parts and being damaged, a teflon-coated steel belt runs along. The glued surfaces are then pressed together with grooved pressure rollers (crimp rollers) and cooled to below the softening temperature of the adhesive in the second belt station.

Precise cooling is guaranteed.

Thanks to the chiller from Riedel Kooling.

The adhesive is cooled using water-cooled cooling jaws, which are supplied with cold water from an SC series chiller.

The water temperature is set to the required temperature value. This setpoint is the only setting that needs to be made on the chiller.

The chiller is supplied ready for use, only the cooling water circuit needs to be filled. This is done very easily via a filling nozzle on the atmospherically open tank. The compact chiller can be easily attached to the machine to save space. And commissioning is quick and easy.

The chiller is controlled automatically via the system PLC of the bag closing machine.

The self-contained controller integrated in the SC chiller monitors and controls the individual components.



SC series | Kool°S series.

Cooling capacities from 1 to 12 kW.



Plug-in universal solution. The chiller from the Kool°S and SC series cools a wide range of processes precisely and economically.

Versatile and extremely compact. Equipped with a tank and pump, the units can be set up flexibly in the immediate vicinity of the machine to be cooled.

Fast delivery. Directly from stock.



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