MSK Flowtech Fully automatic shrink film sleeving machine





Your benefits at a glance

- Supreme transport safety for your product
- Excellent promotional effect while offering great protection
- High flexibility for widely differing product sizes in laundry packaging
- Safe shrink technology with low temperatures
- Energy consumption less than 8% of the film costs
- Horizontal film rolls for easier handling and up to six times fewer roll replacements
- Maximum packaging output of up to 400 products per hour





Your product is the decisive factor

The packaging unit costs determine the choice of the proper packaging method. Such factors as sensitivity of your inner packaging (e.g. Styrofoam), the possibility of procuring various types of film and the price development as well as a realistic cost comparison with respect to the required film thicknesses help to decide on the proper method. Advantages of the MSK shrink packaging

- Possibilities for regional and cost-effective shrink film procurement
- Packaging without pressure on product and inner packaging reduces costs
- Maximum packaging output
- Contrary to hood stretching, the film thickness that has been paid for is also applied to the product



Good protection during transport, optimum promotional effect

With the MSK shrink packaging, product and inner packaging form a stable transport unit. At the same time the products have an excellent display effect, because they are clearly visible under the smooth film packaging.

- Excellent promotional effect with MSK ClearView[™] packaging
- Verifiably reduced transport damage





MSK undershrink method

The original

The internationally well known undershrink method – originally developed by MSK – smoothes the film to well underneath the product. The products can be easily stacked, loaded and transported.

- Even with extremely thin film, high stability thanks to maximum tensile force of the film
- Smooth product undersides for easy stacking and transport



Well equipped for the future

Product sizes that are still unknown today may be packaged inexpensively tomorrow using MSK shrink packaging systems.

- Great flexibility without additional investments
- Optimum packaging results thanks to the MSK mixed-air method



Customised film sleeve

When product dimensions differ widely, the MSK Flowtech demonstrates great flexibility even as it delivers an enormous output. The machine recognises the product dimensions fully automatically and supplies a tailor-made film sleeve.

High flexibility with different product sizes





Smooth packaging all around

The film sleeve is put tightly around the product. Thanks to the sleeve adjusting to the individual product height, shrinking of the corners is not necessary.

- Optimum packaging result
- Patented MSK method (EP 1 174 343 A1)



Clean film cutting with a knife

After the film sleeve is welded together, it is neatly cut through with a knife.

- No odour develops as with thermal cutting
- Much longer replacement intervals compared to the thermal separation method



Horizontal film rolls

Film diameters of up to 1,000 mm are possible thanks to the horizontal arrangement.

- Up to 4 different film sizes
- Simple roll replacement outside of the protective guards thanks to fast replacement device
- The film rolls remain in the horizontal position, only the shrink wrap is replaced (EP 1 029 786 A2)





Energy savings

The MSK safety shrink technology with low temperatures packages products systematically and carefully. MSK heat recovery ensures optimum energy efficiency.

- Energy consumption < 0.1 kW per packaging unit
- Energy efficiency due to heat recovery
- Low gas consumption: only approx. 8% of film costs



Encapsulated heating system MSK Recotech/Synchrotech

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 Electric heating system MSK Corritech Options in detail





Three-size system

The MSK Flowtech can be optionally equipped with three film rolls. The additional film size optimises the amount of film used and the packaging result when dealing with different product heights in laundry packaging.

- Film sleeves for different product heights even with maximum output
- Optimisation of film usage and packaging result



Cover film feeder

When dealing with products without slide-on cardboard, cover film feeders make for a perfectly sized top film sheet thanks to automatic product recognition.





For products					
Product dimensions	500 × 500 mm 600 × 600 mm 700 × 700 mm 800 × 800 mm (special sizes on re	Ŧ			
Product height	max. 1,500mm (special sizes on request)				
Packing material				00	
Film types	PE flat film 60–80 mµ				
Machine					
Capacity	Up to 400 products per hour (home appliances)				
Electric connection	3×400V				
Air connection	6 bar				
Air consumption	Approx. 501 per packed unit				
Energy consumption	<0.1 kW per packed unit				
Gas consumption	Depends on product size and film thickness (approx. 8 % of film costs)				
Weight	ca. 3,100 kg				
Machine dimensions	Standard heights in mm at a conveyor height of 600 mm Standard widths in mm				
	Product heights in mm (P2)	Standard heights in mm (H)	Product widths in mm (X)	Standard widths in mm (A2)	
	700	3,100	500	4,490	
	900	3,500	600	4,590	
	1,100	3,900	700	4,690	
	1,300	4,300	800	4,790	
	1,500	4,700			



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