

MSK Multitech

Fully automatic shrink hood machine



Your benefits at a glance

- ✓ Highest load and transport safety for your product
- ✓ Great display effect with excellent protection against moisture and dirt
- ✓ High flexibility in packaging, also for future product sizes
- ✓ Small footprint due to compact construction
- ✓ Easy maintenance thanks to lowerable machine head
- ✓ Energy consumption less than 8 % of film costs
- ✓ Secure shrink technology with low temperatures



Lowerable machine head

New

The machine head can be lowered to ground level. Maintenance of the machine head becomes easier and faster in this way.

- Smaller footprint
- Improved accessibility
- Higher operational safety



Easy exchange of film rolls and welding strip

Very operator-friendly because of ground level access and simple plug-in connections. This makes the exchange simply faster.

- High operator-friendliness
- Faster changing
- Increased safety



MSK process for reliable welds

By using this MSK process, significantly more time is available to create a high-quality weld. Thus the packaging protects the product on five sides against moisture and dirt and ensures optimal visibility of the goods. The opening measure of the film hood is controlled individually for each pallet and product dimension thanks to the special MSK coordinate process.



Secure MSK technology

A special MSK mixed air system heats the film precisely and gently. This preserves the film's elasticity and fatigue resistance. MSK heat recovery thereby ensures optimal energy efficiency.

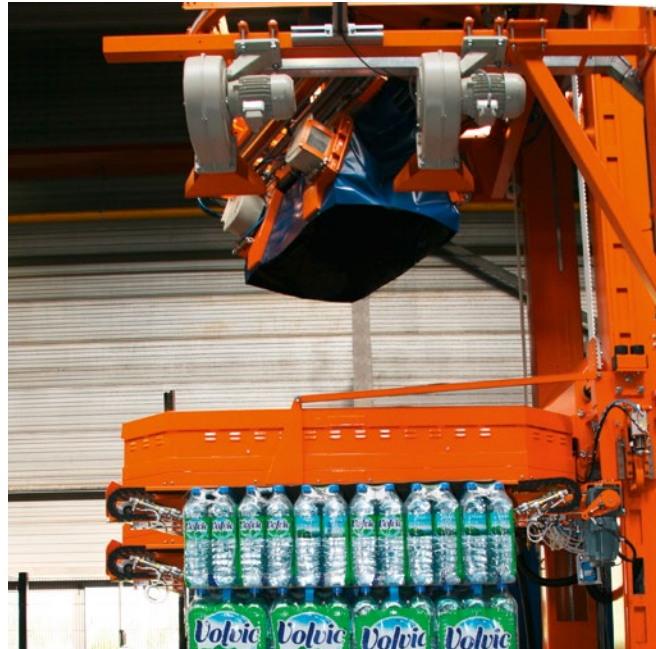
- Heat recovery ensures energy efficiency
- High safety standards due to low temperatures
- Film's elasticity and fatigue resistance are preserved
- MSK has built more than 3,000 shrink frames



Hood application and shrinking in one place

The space-saving compact system easily packs up to 80 euro pallets or industrial pallets per hour. With the in-line version, the performance can increase to a maximum of 200 pallets or 240 products per hour.

- In-line system with high performance
- Space-saving compact system



Rotatable MSK film device

A rotatable film hood allows optimal packaging for longitudinally or transversally running pallets. In this way you have even more flexibility with regards to pallet sizes, without rotating the pallet.

- Great flexibility with respect to pallet sizes and pallet travel direction
- High stability of the unpackaged goods



MSK Shrink cover

Additional energy savings can be achieved by upgrading your MSK shrink frame with the MSK Shrink cover solution. A heat recovery process combined with an optimized air flow may save you up to 40 % energy depending on film thickness and pallet dimensions.

OPTION



Multi-format system

The MSK Multitech provides highest flexibility: It is capable of packing varying product and pallet sizes with up to four different film formats or thicknesses. The MSK coordinate process ensures that each hood is opened and applied product-specifically.

- Maximum flexibility for changing pallet and product sizes
- Film roll replacement outside of the protective guards

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OPTION



MSK Anti-Collage method

The film is shrunk without wrinkling and does not stick to the products or the inner packaging. This ensures an optimal display effect. An expensive separating film is not needed anymore.

- No fusing with the product or inner packaging

OPTION



MSK under shrink system

The original

This method developed by MSK uses the full potential of the film's elasticity. The result – a load with high stability on the pallet.

- Even with extremely thin film, high stability thanks to maximum tensile strength of the film

For pallets/products

Pallet dimensions	800 × 1,200 mm 1,000 × 1,200 mm (special sizes on request)
Pallet height	max. 3,000 mm (special sizes on request)
Packing material	
Film types	PE gusset side film 27 – 120 µm
Machine	
Standard capacity	Up to 80 pallets per hour (euro/industrial pallets)
High capacity	Up to 200 pallets per hour (euro/industrial pallets) Up to 240 products per hour (home appliances)
Electric connection	3 × 400 V
Air connection	6 bar
Air consumption	Approx. 50 l per pallet/packed unit
Energy consumption	< 0.1 kW per pallet/packed unit
Gas consumption	Depends on pallet/product size and film thickness (approx. 8 % of film costs)
Weight	2,030–3,500 kg (depends on machine layout)

Machine dimensions

Standard heights in mm at a conveyor height of 600 mm

Pallet heights in mm (H)	Standard heights in mm (S)
1,400	3,900
1,800	4,300
2,200	4,700
2,600	5,100
3,000	5,500

