



Your benefits at a glance

- ✓ Safety for workers and products
- ✓ Higher unwrapping speeds – fully automatically up to 60 pallets per hour
- ✓ Reduced labour costs
- ✓ Films can be completely recycled
- ✓ Space-saving machine



Fully automatic unwrapping prior to the filling process

It does not matter whether you are dealing with bottles, tins or other containers – the work starts even before the filling process begins, when the film-packed pallets have to be unwrapped. With its patented MSK Defotech, MSK offers a fully automatic unwrapping machine that safely unwraps up to 60 pallets per hour in the tiniest space using special MSK technology. The machine offers an ideal solution for increased production speeds and for cost reduction in multiple-shift operation.

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Improved safety at work

With respect to safety at work standards, especially concerning higher pallets, the unwrapping machine MSK Defotech reduces the manual intervention by workers to a minimum. Thanks to the fully automatic unwrapping process, the staff is subjected neither to the danger of slipping nor to the risk of falling bottles. The machine is thus integrated seamlessly into the existing production flow and can also be smoothly coupled with upstream and downstream machines.



In the tiniest space

The MSK Defotech is also ideally suited for cramped premises, as it unwraps the pallets safely while requiring extremely little space. Based on a special unwrapping principle, it works in a very gentle way. If required, the flexibly mounted winding spindle can even push loads that have been moved out of place carefully back into the correct position.



Complete recycling of the films

After unwrapping the pallet, the MSK Defotech prepares the film automatically for recycling using a special film removal device. If the wrapping films are properly sorted by material, they can be completely reused – another advantage that contributes towards the profitability of the production line. The compressed sheet bales also allow space savings in storage.



Easy machine operation with MSK EMSY 5.3

With the HMI MSK EMSY 5.3, MSK packaging systems can be operated intuitively via a touch screen and without intense training efforts. This makes trouble-shooting in stress situations or the localisation of spare parts easier.



Special procedure for pallets with MSK Shrink collar

If the shrink film is attached to the top board of the pallet (for example with pallets VMF), the film hood is initially separated by a specific procedure of the bottom film.

For pallets

Pallet dimensions	1,000 × 1,200 mm (special sizes upon request)
Pallet height	800 mm min., 3,000 mm max. (special sizes upon request)

For films

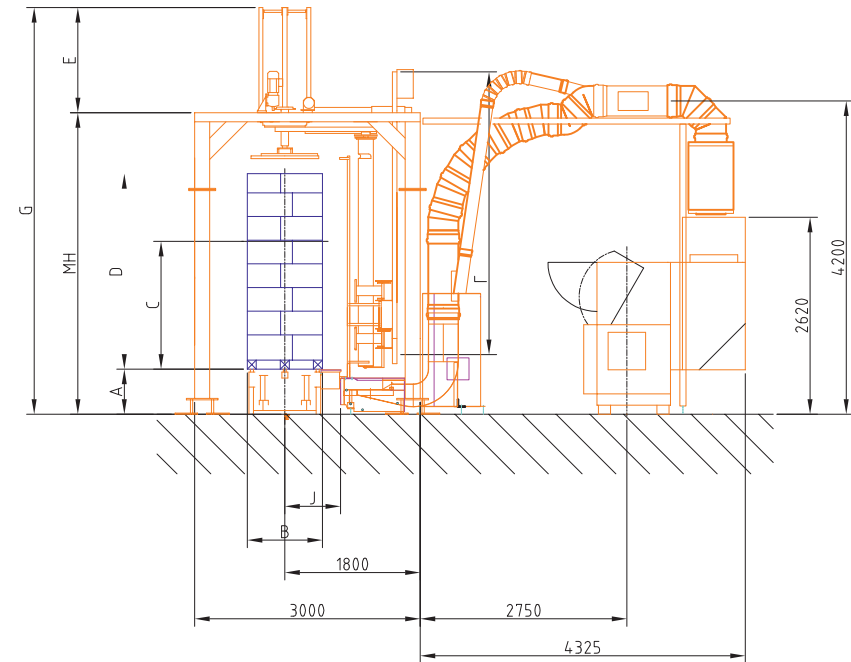
Shrink film	80–120 µm max.
Stretch hood film	Upon request

Machine

Capacity	Up to 60 pallets per hour
Electric connection	3 × 400 V
Air supply	6 bar
Air consumption	Approx. 120 l per pallet (incl. pallet centring)
Energy consumption	Approx. 0.14 kWh per pallet (without film removal)
Weight	Depends on pallet height (Ex.: 2,000 kg for pallet height of 2,800 mm)

Machine dimensions

Standard machine heights (MH) in mm with conveyor height of 600 mm	Pallet heights in mm (D)	Standard machine heights in mm (MH)
	1,000	2,410
	1,400	2,810
	1,800	3,210
	2,200	3,610
	2,600	4,010
	3,000	4,410



Total height (G) depends on difference between different pallet heights used.