

## DEPOSIT SYSTEM FOR RETURNABLE CRATES

The Swedish food industry was, through DLF, Dagligvaruleverantörers Förbund (Grocery Manufacturers of Sweden) together with the trade, through Svensk Dagligvaruhandel, the first in the world to start a common return system based upon returnable crates and returnable pallets. The company, Svenska Retursystem AB, was formed in order to operate and develop the system on behalf of both owners.

The fundamental idea with the system is to replace single-use packaging such as cardboard cartons, with returnable crates and pallets.

The entire supply chain—manufacturers/producers, wholesalers and retail, have co-operated during the course of the years in order to develop an environmentally friendly and cost-effective system.



TAWI's vacuum crate lifters are developed to suit the returnable crate system.



Returnable crates protect the products better. Reduced strain on the environment because returnable crates are used hundreds of times and are then recycled. TAWI VacuEasylift crate lifter combines forks and suction cups to create a quick and safe grip on the crate.

## VACUUM LIFTER FOR MEAT CRATES

VACUUMLIFTER VacuEasylift model VM100-VM300

Handle	VM100-VM230: Flexed, extended handle VM250-VM300: Extended handle
Lift tube	Ø100-300 mm
Swivelling function	Integrated top swivel
Lifting speed	Appr 1 m/s
Lifting height	Between 1500-1800 mm
VM100 capacity max 30 kg*	Art nr 631250*
VM120 capacity max 40 kg*	Art nr 632250*
VM140 capacity max 50 kg*	Art nr 634250*
VM160 capacity max 60 kg**	Art nr 616250**
VM180 capacity max 80 kg**	Art nr 618250**
VM200 capacity max 100 kg**	Art nr 620250**
VM230 capacity max 120 kg**	Art nr 623250**
VM250 capacity max 160 kg**	Art nr 625200**
VM300 capacity max 270 kg**	Art nr 650200**

\*VACUUM PUMP SA320/2 art nr 610953 2.2 kW, 3-phase, 50 Hz

\*\*VACUUM PUMP SA350/2 art nr 610963 3.0 kW, 3-phase, 50 Hz

### ACCESSORIES

- Air tube Ø38 mm l: 10 m art nr 630905 (for vacuum pump SA320/2)
- Air tube Ø52 mm l: 10 m art nr 610905 (for vacuum pump SA350/2)
- Air filter art nr 610931
- Suction foot: special crate lifter for returnable crate system. Art nr 3093
- Silencing hood for vacuum pump (optional) art nr 666600  
(Suspended jib arm or crane system not included)



**VACUEASYLIFT**  
**LIFTS FROZEN**  
**BLOCKS OF MEAT!**

Meat/food industry lifts blocks of frozen kebab meat with VacuEasylift model VM120 in stainless steel configuration.  
Max capacity, this version is 40 kg.





## PROTEMA AT THE BUTCHERS!

PRO175, short version, with special fork platform to lift the small crate trolley which holds the pile of plastic meat crates.

As you can see in the photos, the lifter is easy to use even though the working area is rather restricted! Max capacity 175 kg.



## LIFTING FROZEN PIECES OF KEBAB MEAT



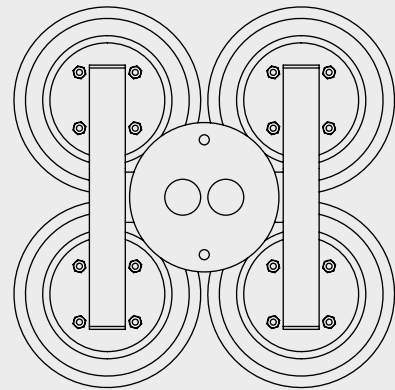
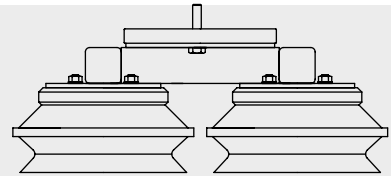
Equipment, this version: VM120, max 40 kg, stainless steel configuration.  
Special suction foot 113 to lift frozen blocks of kebab meat.



## VACUCOBRA FOR WAREHOUSE HANDLING

A total of 9 units of VacuCobra VC100m max capacity 35 kg, installed in 4 crane systems, cover the warehousing area of this slaughter house. The VacuCobra is the standard adapter version with a special suction foot for handling boxes of frozen meat. The red silicone suction cups are better suited for the cold environment and 4 cups allow for lifting from all directions when you want to avoid the taped area of the box.

The aluminium crane system consists of 4 individual systems, all measuring 12 x 2,5 meters each, in LR86 aluminium profile. The vacuum pumps have been arranged in the upper corner of the warehouse and a small jib crane is installed beside them to facilitate future service and maintenance work.



A closer look at one of the special silicone suction cups used for this suction foot. Better suited for the cold environment.



All five vacuum pumps neatly tucked away in the upper corner of the warehouse. A small jib crane is installed beside the pumps to facilitate service and maintenance work!

# TAWI

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