

VSP UNIGRIPPER

LayerGripper Edition 4



**Multi-powered layer handling tool
for distribution centres**





LAYERGRIPPER EDITION 4 is a combination of the patented UniGripper vacuum head technology with mechanical clamping bars and side skirts.

The vacuum head also has integrated high flow on/off valve for increasing the benefit of the skirts, if needed.

The clamping bars height adjustment is servo operated, and its clamping force is automatically adjustable.

The rigid gripper-design can handle products from sealed boxes, without using the clamping bars, to products without possibility to use vacuum and then only using the clamping bars. It has also capability to handle more than one layer at the time.

The gripper can be used for both palletizing and de-palletizing of all types of products that occurs in a distribution center application.

Benefits

- Handles full or semi-full layers of products. Handle layers with gaps between products.
- Using vacuum and clamping: one by one or combined.
- Servo positioning of the clamping height: speeding up the cycle time.
- Programmable force of the clamping bars: gentle on fragile products and powerful when needed.

Products

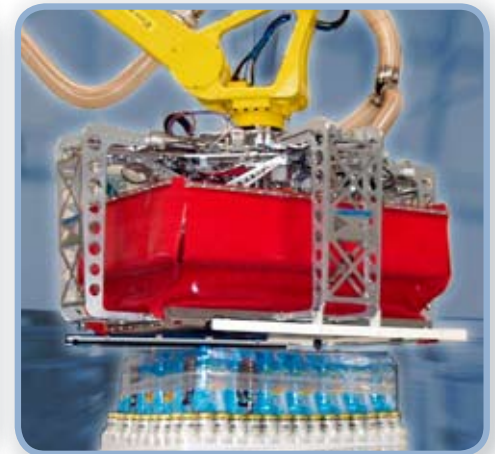
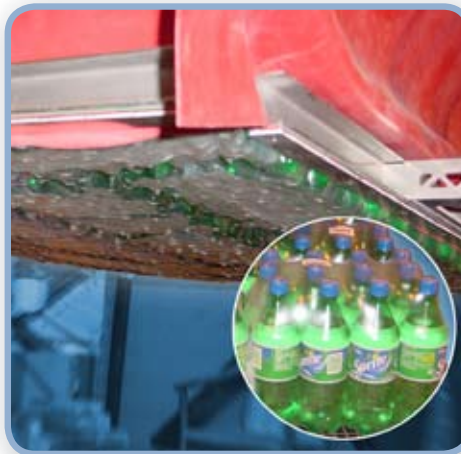
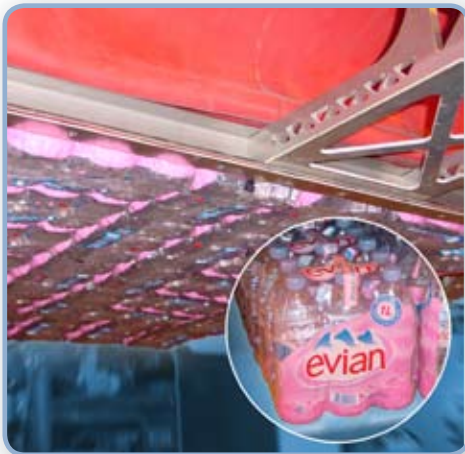
- All type of products in cardboard boxes or trays, with or without plastic shrink wrap.
- Bottles on tray loose/and/or shrink wrapped.
- Recycled plastic bottle crates.
- Product temperature from -40 °C to +60 °C

Technical info	EURO pallet version	US/CHEP pallet version
Gripping size max: min:	1320 x 1040 mm 930 x 650 mm	1420 x 1220 mm 1030 x 830 mm
Height	approx. 950 mm	approx. 950 mm
Weight	approx. 250 kg	approx. 270 kg
Height adjustment Clamping bars	approx. 100 – 350 mm	approx. 100 – 450 mm
Adjustment clamping force:	E/P converter	
Max clamping force	approx. 200 kg /side	
Power supply	18 kW, 50 Hz / 22 kW, 60 Hz	
Servo	0,4 alt 1,5 kW	
Communication interface	DeviceNet / ProfiBus	
Maximum layer weight	300 kg	
Max cycle rate	approx. 350 cycles/hour	
Operating temperature	0 °C to 40 °C	

Mechanical interface with robot adaptor included.
Other sizes, temperatures, interface etc on request.

Subject to change without prior notification, due to continuous product development.

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Dealer: