

## VACUUM GRIPPERS KENOS/piCOBOT/piSOFTGRIP



A **flexible solution** for the handling of various products with **different shapes, dimensions and porosity**.

### ADVANTAGES

- Low weight
- Easy mounting
- Integrated modular multi-stage COAX® ejector of easy maintenance (or an electrical pump/blower connection)
- Low energy consumption
- Control and monitoring
- The vacuum gripper is easy modular to fit your application

A part of the Piab group  
**KENOS**  
Vacuum gripping systems



### Kenos Vacuum Gripper – KVG

KVG series represents a flexible solution for the handling manipulation of several products with different shapes, dimensions and porosity due to the double technology available.



- Check valves or flow reducers can fulfill the needs.
- The KVG gripping system can be equipped with integrated vacuum generation or suitable for separated vacuum generation.
- The integrated vacuum generator is a modular multi-stage COAX® ejector of easy maintenance.
- The material of the KVG gripping system is made of a technical foam (FDA material approved available), with different pitch holes and thickness or suction cups.
- Typical applications are palletizing and handling within packaging, metal, glass and wood industry.

### Kenos Heavy Vacuum Gripper – KHVG

KHVG series products, Kenos Heavy Vacuum Gripper, are designed for heavy duty applications in the wood and stone industries.



- KHVG gripping systems are suitable for handling normally complete layers of sawn timber, heavy planking, raw wood and materials for building, such as bricks.
- KHVG systems are prepared for external vacuum generation with side channel blower.
- Provided with shutter check valve technology with low sensibility to dust.
- Applications: Palletizing and handling within packaging, metal, glass and wood industry.

## Kenos Sack Gripper – KSG

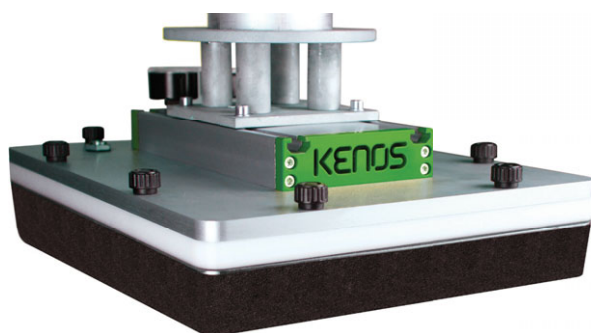
KSG series products, Kenos Sack Gripper, are suitable to handle sacks up to 50kg [110 lb] with different shapes, and sack materials.



- The specific knowhow in this segment has driven us to develop systems dedicated to all the different applications of sack handling.
- The integrated and modular vacuum generation makes the KSG flexible and reliable.
- A version for external vacuum generator is available.

## Kenos Vacuum Gripper Layer – KVGL-S

KVGL-S product series, Kenos Vacuum Gripper Layer - Standard, looks at the wide world of packaging, end of line automation and other applications.

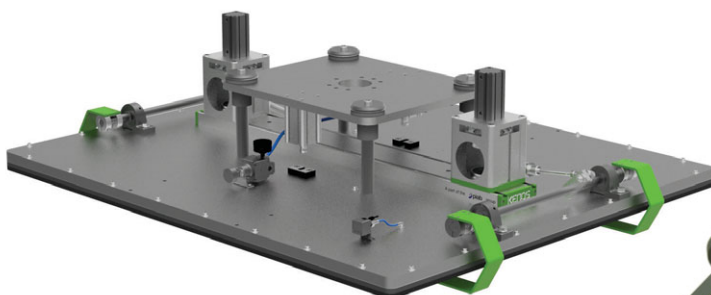


- Our adjustable check valve technology and the technical foam allows for superior gripping on different kind of boxes, wrap around packaging and primary ones.
- The large availability of standard dimensioning and the modularity make this series highly effective.



## Kenos Vacuum Layer- Cans Jars – KVGL-CJ

KVGL-CJ series, Kenos Vacuum Layer- Cans Jars, born for the need to handle the complete layer of cans, jars that can be open or covered on the gripping area.



- Typical industrial segments involved are palletizing or de-palletizing in packaging, beverage and food.



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# piCOBOT® certified by Universal Robots...



Piab's piCOBOT® mounted on a UR collaborative robot designed to act as a flexible co-worker in a variety of production, packaging or assembly lines. Adaptable, powerful, compact and lightweight, it really offers the ideal extra "pair of hands".

Included with the piCOBOT® is UR Caps plug-in software for the teach pendant, to ensure easy programming and quick installation of piCOBOT® for the customers.

Our gripping and moving solutions such as piCOBOT® help thousands of customers in a wide range of industries globally, to improve energy-efficiency, productivity and working environments. Ergonomic, safe and adaptable, our user-friendly solution promises to increase productivity while eliminating the risk of injury to your team.

Smart solutions for the automated world™ 



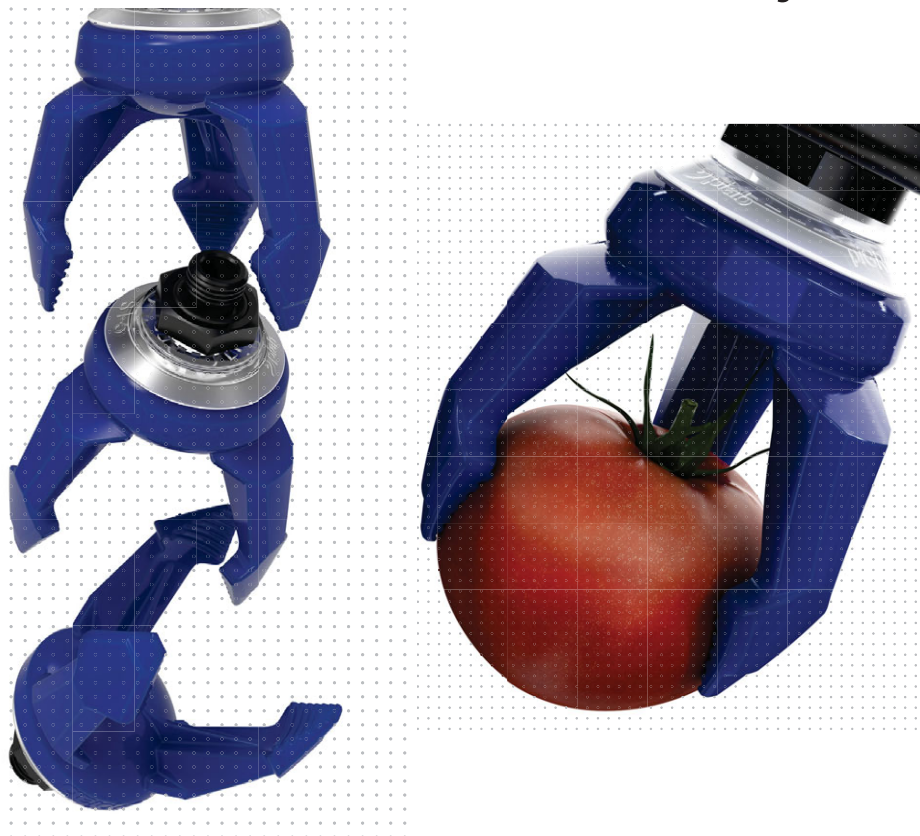
# piSOFTGRIP®

A cost-effective soft gripping tool that is developed especially with food industry automation in mind.

The unique piSOFTGRIP® has three gripping fingers and a vacuum cavity, all made in one piece, resulting in a simple and robust product. As it is vacuum-driven, the gripping force is easily adjusted and controlled by the applied vacuum level.

The soft gripper will grip sensitive and lightweight objects of odd geometries and/or an unusual surface. Bin-picking of small irregularly shaped objects, such as toys, is another potential application.

## Unique vacuum-based soft gripper for handling sensitive and delicate objects



### Food approved

Made in detectable silicone approved for direct contact with food (in accordance with FDA 21 CFR and EU 1935/2004 regulations), the piSOFTGRIP® vacuum gripper is the first of its kind. The food-compliant silicone gripper enables the food industry to extend their automated food handling to include a wider range of products. Delicate food items can be handled without risk of being spoiled due to crushing. Wash-down fitting options as well as sealed vacuum cavity make it easy to clean and keep functioning in challenging environments.



### Easy to use, control and clean

The soft gripping vacuum tool is as easy to control and install as a suction cup. You can also easily use it in multimode applications, putting several piSOFTGRIP® in rows or other grid structures, supporting the picks you want to make. It uses the same fittings as Piab's piGRIP® suction cups. An optional stainless-steel fitting offers wash-down provision to assist cleaning. It's intuitive and user-friendly design makes piSOFTGRIP® easy to integrate into automated procedures, where it can help to secure the quality of products and increase overall productivity.



### Great gripping solution for sensitive objects

The piSOFTGRIP® is an excellent and cost-effective solution for sensitive and difficult to grip objects. The gripping force can easily be controlled by simply adjusting the vacuum level. The soft gripper can grip objects with a diameter of up to 30mm [1.18"].

Technical modifications keep in reserve !

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