

Soft Gripper for Delicate Products

FESTO



Hygienic adaptive gripping

Highlights

- Operate with standard pneumatic components
- Washdown ready
- Clean design
- Extremely high corrosion resistance
- FDA compliant materials
- Adaptive finger design causes fingers to form around object shape
- Lightweight – ideal for robotics
- High speed operation
- Simple changeout of fingers
- Soft fingers protect product from damage

The Festo hygienic adaptive gripper (HPSX-100-4-CS) can be used to grip a wide range of products and product packaging types. The uniquely designed gripper allows for picking up lightweight objects which are irregular in shape, delicate to hold, and cosmetically fragile.

Increase productivity while minimizing changeover.

Primary and secondary packaging applications require food regulation compliance and careful attention to material selection as well as observance of clean design practices. Additionally, the caustic washdown environments make sealing and corrosion resistance important topics.

Food products are very difficult to handle with automation due to their high variations in shape and size combined with their fragility and final aesthetic requirements. Additionally, the drive towards a universal gripper increases the need for minimal changeover and high modularity.

These worries have been addressed with the introduction of the HPSX soft gripper. Constructed from FDA-compliant silicone, it is capable of enduring harsh washdown conditions, and its innovative soft fingers preserve the integrity of fragile items, which leads to increased productivity without the need to change out fingers.

More options

No need for expensive controllers! The gripper can be controlled with catalog components. Refer to the supporting documents for the recommended bill of materials for basic or advanced controls. Basic control for simple open/close operation and advanced controls for proportional operation.

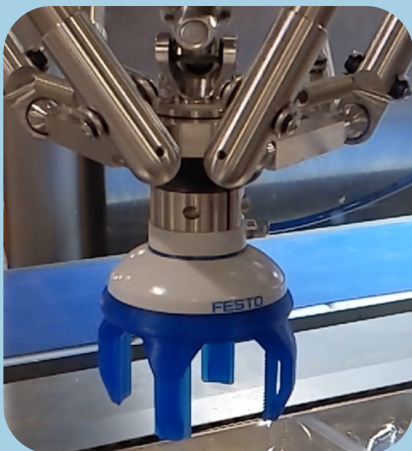
Soft Gripper Test Kit for Delicate Products

Simplicity is key

Soft gripper at a glance, key product feature overview



Ready for high speed picking and also safe for collaborative use!



Need custom gripper fingers?
Let our Grip-It! team provide a
custom finger set based on
your specific needs.

GRIP-IT!
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