

# ZAYTRAN gripper products

FESTO

ZAYTRAN



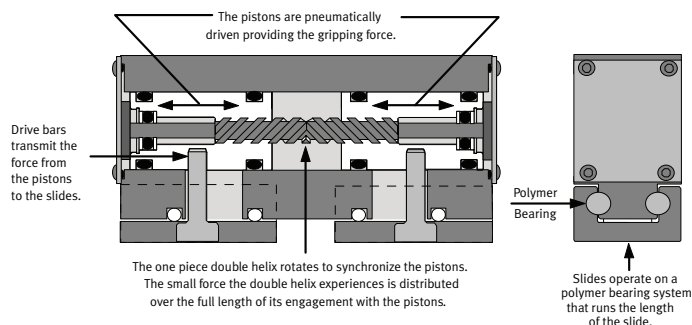
## Harsh Environment Ready!

### Highlights

- Suitable for Harsh environments
- High Precision
- Long strokes possible
- High Gripping Force
- NSF-H1 grease allows for incidental contact with food
- Clean Room (Class 1) possible with Magnum-PET gripper

Festo is the exclusive distributor of ZAYTRAN products in North America

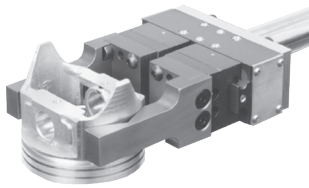
Grippers by ZAYTRAN have a history of being tough and demonstrating precision. The use of tough, corrosion resistant materials enables operation in harsh environments, such as grinding, machining, welding, and food processing. The patented double helix synchronization design provides precision to  $\pm 0.025$  mm ( $\pm 0.0010$ "") over the life of the gripper.



### Patented Synchronous Technology

The force and synchronizing double helix are independent systems. The double helix works only to center the part to  $\pm 0.025$  mm ( $\pm 0.0010$ ""). All of the gripping force is provided by two pistons that are driven pneumatically. The independence of the force and synchronization systems provides precision over the life of the parallel gripper, and also allow for long strokes.

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## MAGNUM® parallel grippers

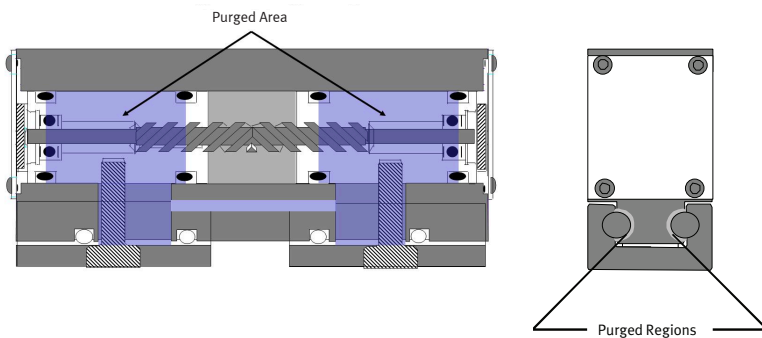
- Compact design
- Available in two materials
  - Aluminum for standard and harsh environments
  - PET for Clean Rooms, up to Class 1
- Purge port to provide positive or vacuum pressure

## GPAL parallel grippers

- Suitable for harshest environments
- Light Weight
- Integrated Sensor slot
- Fail-safe available (accessory): pneumatically locks jaws to retain part
- Purge port to provide positive or vacuum pressure

## XRAY-S® long stroke grippers

- For very large objects
- Very High Torque and Force capability
- Stroke Lengths up to 350mm
- Fail-safe available (POB version): mechanically locks helix and jaws to retain part



## Clean and Dirty Purge System

**Dirty Environments:** keeps contaminants out of the pneumatic system and off of the bearings.

**Clean Environments:** keeps contaminants from escaping the gripper and polluting the clean environment. Can achieve Clean Room Class 1 with MAGNUM-PET gripper.

## Common sizes in stock

Type Code	Part Number	Grip Force [N] at 100 psi	Stroke Length
GPAL-40	8039371	587	51mm
GPAL-100	8039365	872	76mm
GPAL-200	8039368	1,620	102mm
MAGNUM-AL-130-13	8039476	130	13mm
MAGNUM-AL-130-26	8039477	130	26mm
MAGNUM-AL-450-26	8039478	450	26mm
XRAY-S-2200-200	8039500	2,200	200mm
XRAY-S-2200-200-POB*	8039504	2,200	200mm
XRAY-S-2200-350	8039509	2,200	350mm
XRAY-S-2200-350-POB*	8039512	2,200	350mm

\*POB = Power Off Brake - prevents dropping of part if air pressure is lost

## Festo Corporation

395 Moreland Road  
Hauppauge, NY 11788

Call Toll-free (800) 993 3786  
Fax Toll-free (800) 963 3786  
customer.service@us.festo.com

[www.grippers.com](http://www.grippers.com)  
[www.festo.us](http://www.festo.us)