

# FLEXIBLE GRIPPER

## FLEXIBLE GRIPPER, A COST EFFICIENT SOLUTION FOR GRASPING FRAGILE PRODUCTS LIKE FOOD

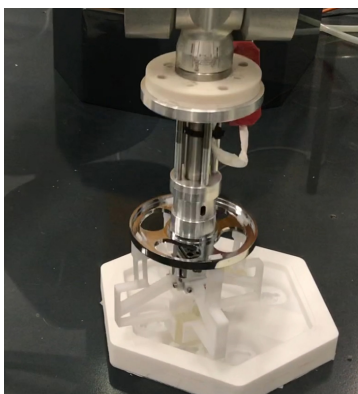
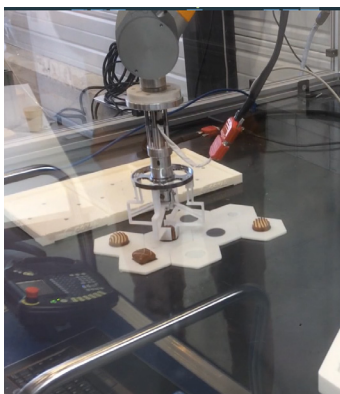
### + WHAT IS FLEXIBLE GRIPPER?

This gripper is made of a deformable monolithic structure. The material is a polymer compatible with food safety, and easily 3D printed to provide fast and cost-effective solutions for production flexibility. A topological optimization software allows defining the optimal arrangement of the gripper beams, the user can control the shape of the gripper, the grasping force and the amplitude of the movements. This gripper has a compliant flexure-based mechanism for grasping versatile and fragile food product.

### + APPLICATIONS

This flexible gripper can be used for:

- grasping of small objects
- Control of the grasping force
- 3D printed to adapt to quickly changing needs
- food safe (chocolate, dairy products, ...)



### KEY BENEFITS

- Monolithic polymer bidigital gripper
- Flexible structure with prescribed stiffness and predictable behaviour
- Reliable and accurate motion of clamping jaws

### INTERESTED IN THIS TECHNOLOGY ?

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