

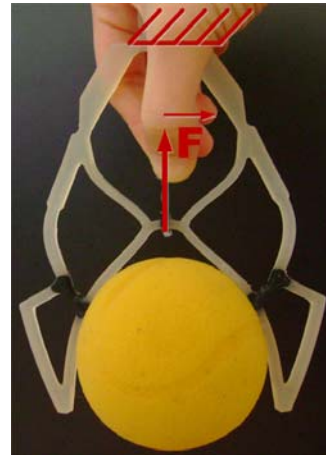
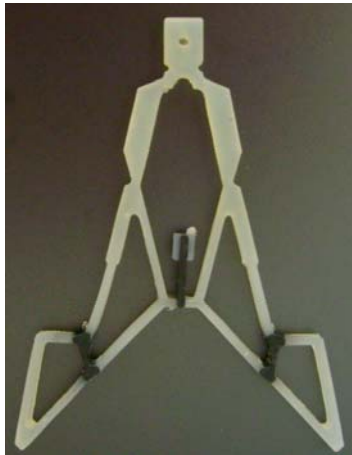
Compliant gripper with embedded sensors

System:

a compliant gripper with embedded sensors

Functional principle:

a grasping movement is achieved by an input displacement.



Characteristics and advantages:

- the entire structure of the gripper is a compliant monolithic structure
- the sensors made of the conductive silicone rubber (black) are parts of the gripper structure
- a distributed contact area between the object and the gripper fingers independent of the position of the object on the gripper fingers
- cost-effective

Application:

- external or between gripper with rough estimation of the shape or the dimensions of the object

In collaboration with University of Nis, Serbia