

# Conformal Gripping Device

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## **DESCRIPTION**

This technology is a gripping device designed for grasping objects. The device has a frame housing comprising an array of gripping pins . A set of locking rollers is positioned within the frame for locking the array of gripping pins. A striker element forces the locking rollers into an unlocking position. The locking rollers engage a row of movable pins in the array of gripping pins. A pair of permanent magnets facilitates the movement of the striker element. A pair of solenoid elements facilitates the movement of the striker element. The pin in the array of gripping pins is preloaded.

## **FEATURES AND BENEFITS**

- The device effectively grasps and secures different types/shapes of the work-pieces during the manufacturing process.
- The device is compact and can be manufactured at a lower cost in a research and development or manufacturing environment.

## **APPLICATIONS**

- Robotics
- Manufacturing
- Satellite Repair
- Aircraft and Spacecraft Repair

## **FOR MORE INFORMATION**

If you are interested in more information or want to pursue transfer of this technology, GSC-14952-1, please contact:

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