

Introducing the AGI O-Ring Gripper

GI is introducing an O-Ring gripper, along with a complete range of automation products that include, parallel grippers, rotary actuators, thrusters, powered slides, mini slides, tool changers, overload devices.

The O-Ring gripper made for picking and placing O-Rings on the parts. The twelve-jaw gripper has two independent pistons, the six spreading jaws are double acting and the six ejector jaws are single acting. When air pressure is applied to the first piston, six parallel jaws spread the o-ring. The O-ring is stretched evenly in a hexagonal shape; this allows the O-Ring to be expanded with considerably less deformation. The stroke can be precisely adjusted using the setscrew. After the o-ring is expanded and over your part, air pressure is applied to the second piston. This causes the ejector jaws to push forward and press the O-Ring from the spreading jaws onto the part being assembled. The O-Ring gripper can be tooled to accommodate all types of rings, the smallest would be the smallest you can make your tooling jaws to fit the inside diameter and the largest is approximately four inches depending on the cross section. End of stroke sensing is available for both the spreading and ejecting jaws. The size of the units is 2.5 inches diameter by 2.7 inches tall.