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## Pneumatic Rotary Actuators

AGI a leader in motion control technology, introduces the latest technological advancement in pneumatic rotary actuators. AGI offers a new **Flange Stop Design** to reduce internal drive component wear.

The Series AGR Rotary Actuator features extremely ultra thin profile and bearing supported flange provide an extremely compact package for tight space applications. Payload can be connected directly to the flange without the need for extra bearing support.

AGI offers a full line of **pneumatic rotary actuators**, here are **five sizes** available with optional **rotary manifold, mid-position stop** and sensor options. All rotary actuators are rack and pinion design and incorporate output flange hard stop. The features of this design include high torque from a compact configuration.

The units are hi torque due to cross porting the two piston bores this makes the Rotary Actuator operate with zero backlash at the end of rotations for precise rotary positioning. Because of their constant torque output and resistance to drift, they are often used for precision control. The ultra-thin pneumatic rotary actuators have a dowel pin embedded in the body and two internal hard stops in the output flange that eliminate pinion breakage. This allows for higher cycle speeds and heavier payloads than comparable units on the market.

Torque output ranges from 7in-lbs to 310 in-lbs. @ 100 psi. The Series AGR Rotary Actuator is available in five bore sizes (.5, .75, 1.0, 1.25 and 1.625 inch) with two standard rotations (90 and 180 deg.). All units feature standard angle adjustment of +/-5 degree in each direction with the adjustable hard stops. Standard port flow controls provide accurate control of rotation speed. Optional switch kits allow the use of inductive proximity switches for easy interfacing to electrical controls.

AGI supplies a complete range of sophisticated automation products that include, parallel grippers, rotary actuators, thrusters, linear actuator slides, mini slides, tool changers, automated o-ring seal assembly units, Available in imperial and metric versions for flexibility of design for a world market.