

Mini Cylinder **RCD**



Ultra-Compact Motorized Cylinder with 12mm Cross-Section



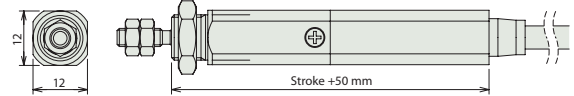
RCD actuators

Features

1. Ultra-compact size makes it a good replacement for compact air cylinders.

Ultra-compact size has been achieved, with a cross-section of only 12 mm and a body length as short as 60 mm.

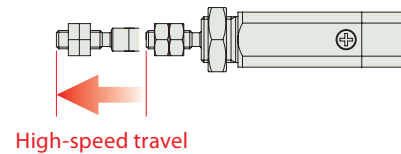
The Mini Cylinder RCD is small enough to replace compact air cylinders used for short-stroke travel, pressing, hoisting, etc.



Slim actuator

2. High-speed performance with maximum acceleration/deceleration of 1 G and maximum speed of 300 mm/s

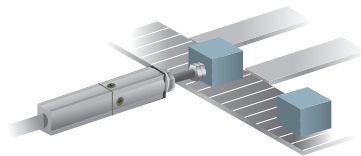
The Mini Cylinder RCD incorporates a newly developed brushless DC motor that generates sufficient torque despite its compact size. Its high-speed performance with maximum acceleration/deceleration of 1 G and maximum speed of 300 mm/s is highly effective in reducing cycle time in a variety of systems.



High-speed travel

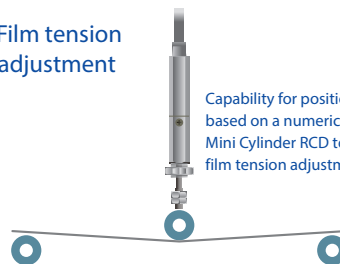
Application Examples

1. Part push-out



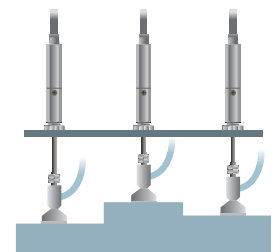
Setting the appropriate acceleration/deceleration rate enables the Mini Cylinder RCD to push out a workpiece without intense impact.

2. Film tension adjustment



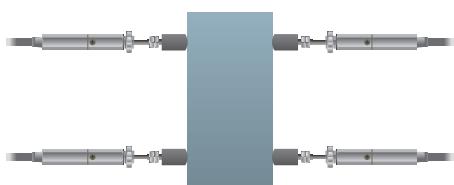
Capability for position adjustment based on a numeric value allows the Mini Cylinder RCD to achieve precise film tension adjustment.

3. Suction pads for height adjustment



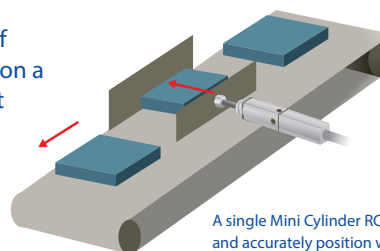
Three-point positioning enables the Mini Cylinder RCD to handle a workpiece with variable height dimensions.

4. Workpiece positioning



Multiple Mini Cylinder RCDs can be used to position a workpiece precisely by pushing it from both sides.

5. Positioning workpieces of varying sizes on a conveyor belt



A single Mini Cylinder RCD can push and accurately position workpieces of different sizes.

