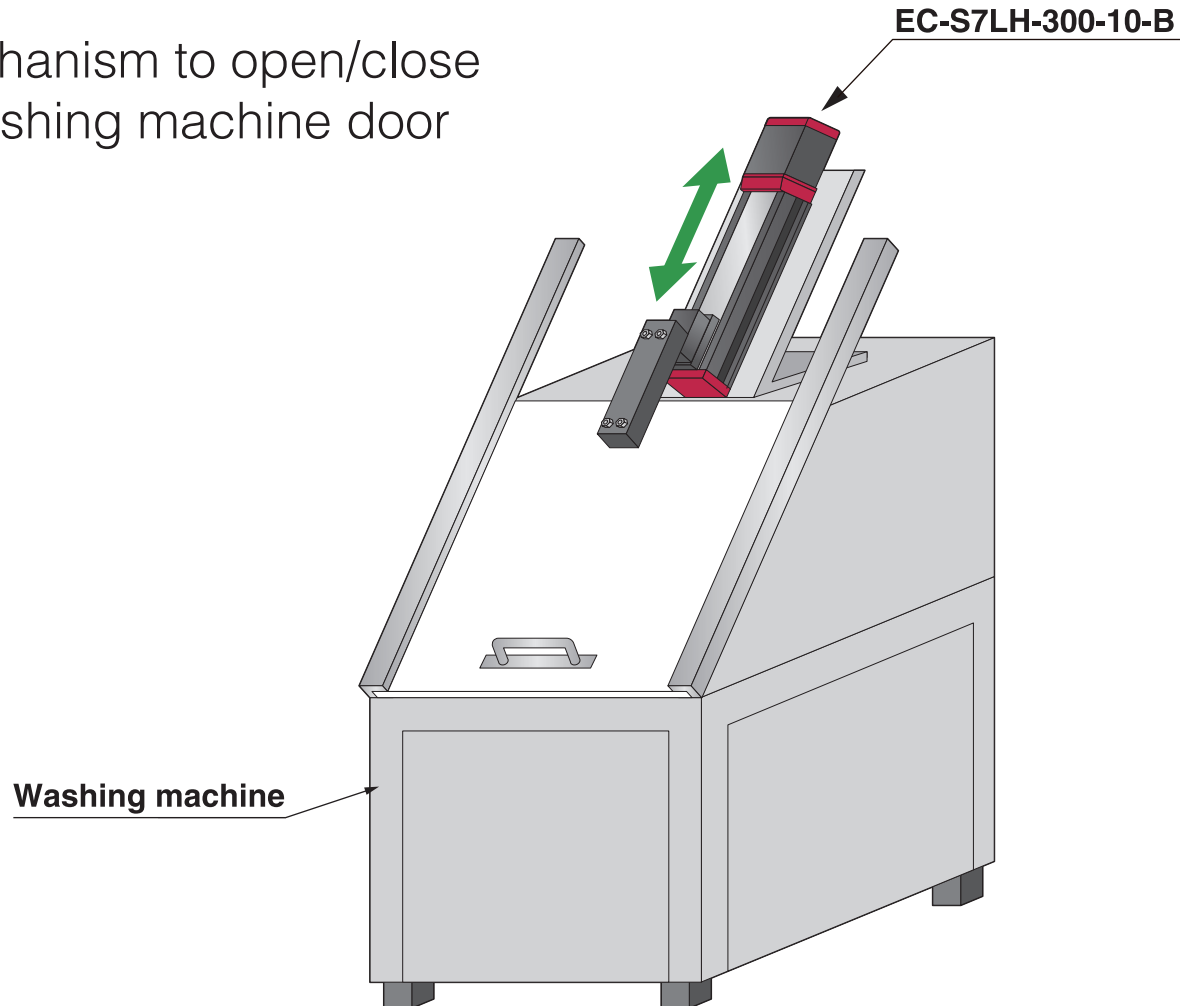


Opening/closing mechanism of washing machine door

Usage A mechanism to open/close the washing machine door



Explanation Conventionally, an air cylinder was used to open/close the door. However, there was a problem that the door hit hard when stopping at the upward and downward end since air cylinder can't control its deceleration. Due to this, the opening/closing speed had to be capped at a certain level. The Elecylinder has a feature that allows the values of A (acceleration), V (velocity), and D (deceleration) to be set freely and individually. Now with the Elecylinder used in opening and closing the door, the movement of the door has become smooth both when it starts and stops. As a result, the cycle time was reduced from 5 seconds to 3 seconds.