

# Q&A

Question:

## What is the "V-Z- $\theta$ Actuator"?

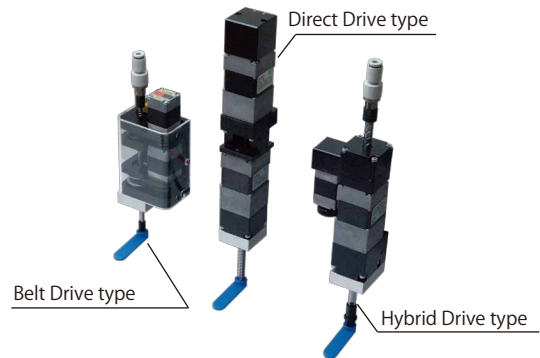
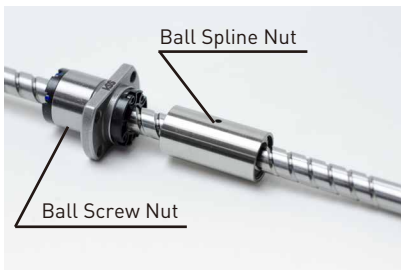
It is a multi-functional Actuator which has three (3) functions, linear motion (Z), rotary motion ( $\theta$ ), and vacuum (V) with one (1) unit.

This is the Actuator built in our BSSP, which is combined product of Ball Screw and Ball Spline, contributed to its compactness and light-weighted compared to ordinal Actuator required both Ball Screw and hollow shaft as individual unit.

The screw shaft has hollow through-hole, so it can be used as vacuum (V) function.

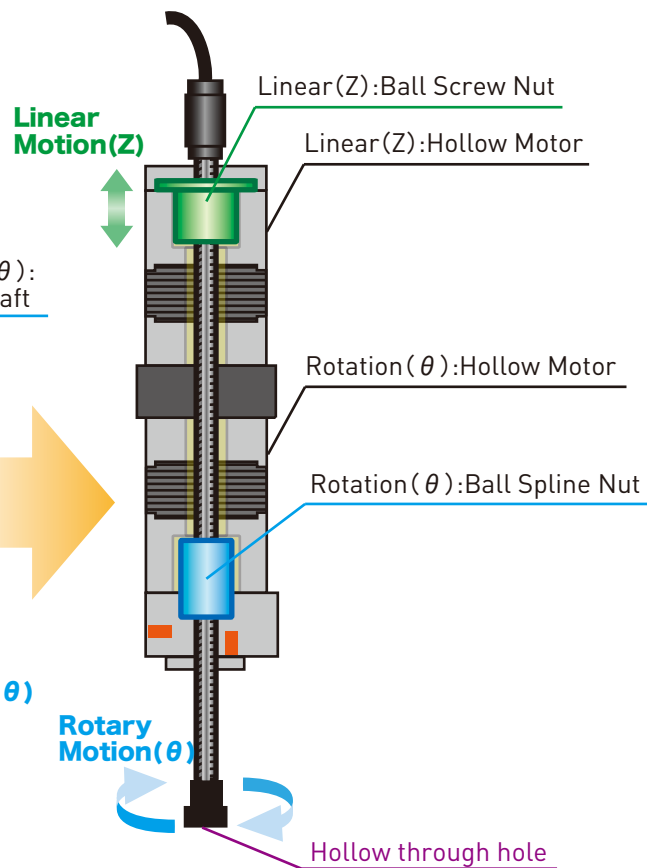
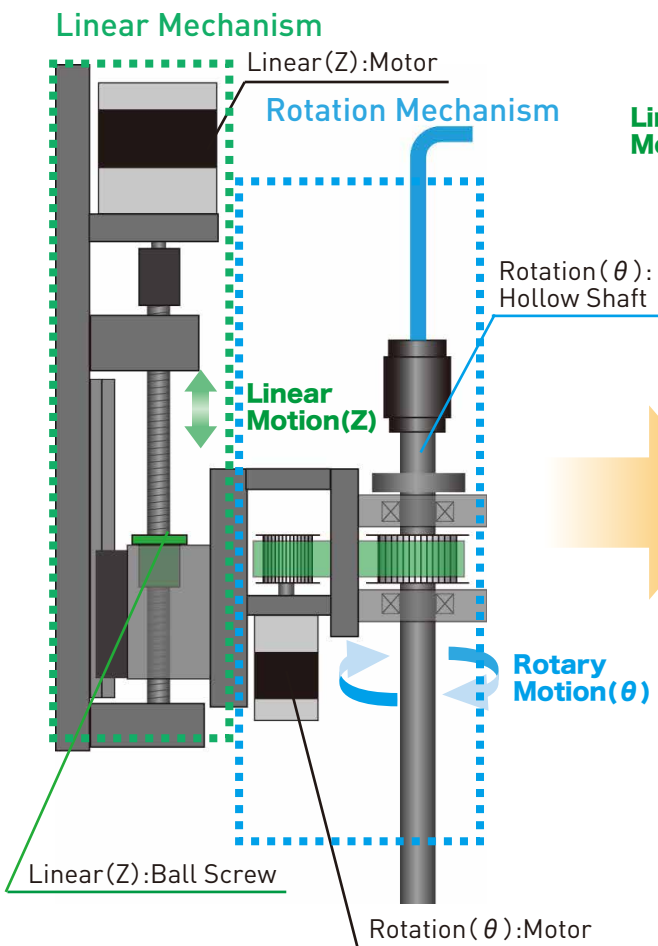
**【Miniature Ball Screw with Ball Spline / BSSP】**

**【V-Z- $\theta$  Actuator】**



**【Before applied KSS V-Z- $\theta$  Actuator】**

**【After applied KSS V-Z- $\theta$  Actuator】**



This is the compact size unit with linear and rotary mechanism.