

αSTEP Closed loop Stepping Motor unit
AZ Series Equipped with ABZO Sensor



A **ADVANCED**
PERFORMANCE
Absolute Stepping System

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Our AZ Series can go with different Geared Types

Type	Features	Permissible Torque and Maximum Instantaneous Torque [N·m]	Backlash [arcmin]	Basic Resolution [°/Step]	Output Shaft Rotation Speed [r/min]
<p>Standard Type</p>	Basic model of AZ Series	<p>Maximum Holding Torque 2</p>	—	<p>0.36</p>	<p>4500</p>
<p>Low Price TS Geared Type (Spur gear mechanism)</p>	A Wide Variety of Low Gear Ratios, High-Speed Operations Gear Ratio Types 3.6, 7.2, 10, 20, 30	<p>Permissible Torque Maximum Instantaneous Torque 6 10</p>	<p>10</p>	<p>0.012</p>	<p>833</p>
<p>High Torque PS Geared Type (Planetary gear mechanism)</p>	High Permissible Torque/Maximum Instantaneous Torque A Wide Variety of Gear Ratios for Selecting the Desired Step Angle Center Shaft Gear Ratio Types 5, 7.2, 10, 25, 36, 50	<p>Permissible Torque Maximum Instantaneous Torque 8 20</p>	<p>7</p>	<p>0.0072</p>	<p>600</p>
<p>High Accuracy High Torque HPG Geared Type (Harmonic planetary®)</p>	High positioning accuracy High Permissible Torque/Maximum Instantaneous Torque Center Shaft Gear Ratio Types 5, 9, 15	<p>Permissible Torque Maximum Instantaneous Torque 9 19</p>	<p>3</p>	<p>0.024</p>	<p>900</p>
<p>High Accuracy High Torque Harmonic Geared Type (Harmonic drive®)</p>	High positioning accuracy High Permissible Torque/Maximum Instantaneous Torque High Reduction Ratio, High Resolution Center Shaft Gear Ratio Types 50, 100	<p>Permissible Torque Maximum Instantaneous Torque 10 36</p>	0	<p>0.0036</p>	<p>70</p>

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