

VOICE COIL



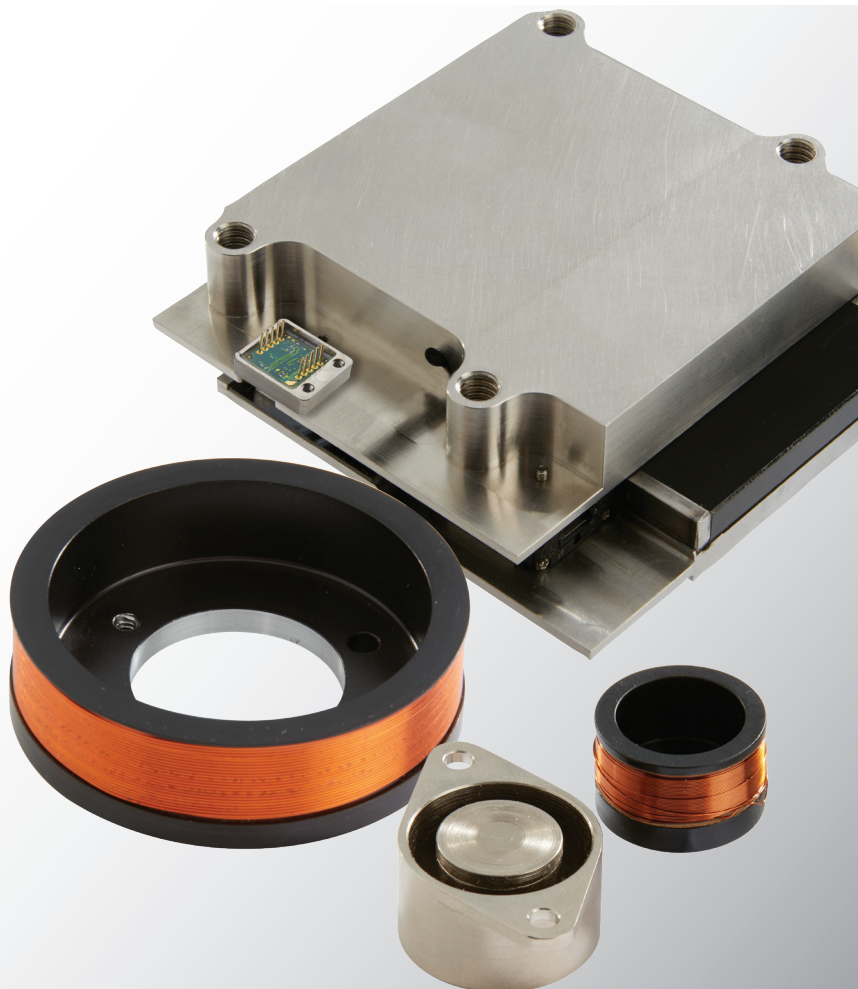
Applimotion
Motors & Actuators

Juke™ Series Motors

Compact Voice Coil
Motors for Highly Dynamic
Motion Profiles

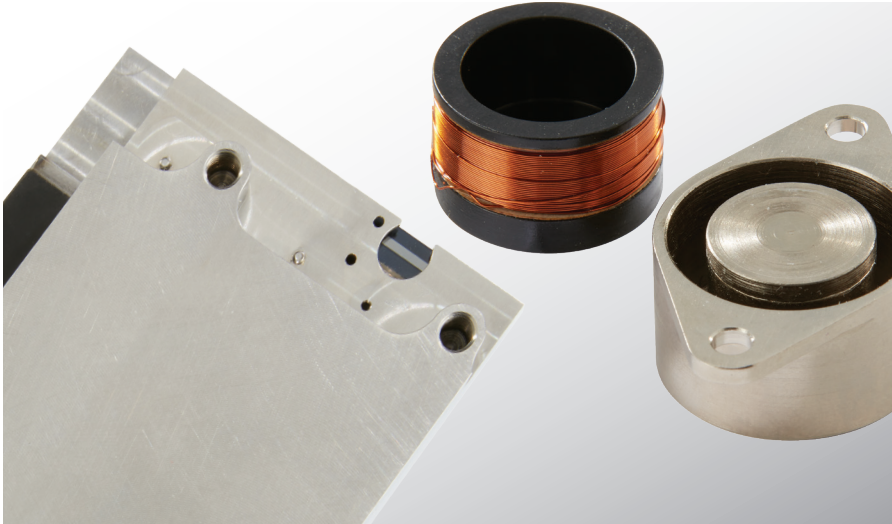
The Juke Series enables OEMs to move light payloads with high acceleration and dynamic motion profiles.

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Juke™ Series Motors

Compact Voice Coil Motors for Highly Dynamic Motion Profiles



Swift and Simple.

The Juke Series motors are ideal for optics, laser scanning, pick and place, medical probes, hexapods and other applications that require highly dynamic moves of light payloads over short distances.

Low electrical and mechanical time constants, low moving mass and no cogging allow for extremely high accelerations and precise control of position, velocity or force. No commutation is required, simplifying wiring and increasing system reliability.

Moving magnet and moving coil configurations make it easy for the Juke Series to be tightly integrated into compact, lightweight precision assemblies. Flat and circular body form factors are offered for linear applications. Rotary and partial segment designs are also available.

All models are compatible with a wide range of controllers and drives.

Benefits

- Compact size, high force-to-weight ratio
- High acceleration
- Simple wiring and control
- Smooth, accurate motion
- Easy integration into system design
- Compatible with wide range of drives and controllers

| Specifications | Units | Flat Body Voice Coils | Circular Body Voice Coils |
|-----------------------|-------|-----------------------|---------------------------|
| Peak Force: | N | 7.5 to 284 | 46 |
| Stroke: | mm | 3 to 20 | 2 |
| Width/Outer Diameter: | mm | 35 to 152 | 50 (OD) |
| Length: | mm | 54 to 236 | 30 |

Product groups listed and corresponding data are provided as a reference. Actual motor attributes are model and configuration specific. See datasheet for details. Specifications subject to change.

RoHS
CE



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