



# PRESS RELEASE

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## COVERS AND FLEXI-CIRCUITS ARE ADDED TO GEEPLUS VOICE COIL MOTORS

Making their voice coil motors even more robust and reliable, Geeplus have added the option of specifying dust covers and flexi-circuits as standard on their VM6340L models.

The flexi-circuits provide a simple and reliable electrical connection, which in turn has a consistent influence on force behaviour. Termination can be specified by the customer as either a flexible tail or a connector. The moving coil and termination is simply plugged in via any length of tail. This makes the device neater and because the flex is terminated directly onto the coil, less stress is created at the joint making it resistant to

damage or disconnection through constant movement and material stress. This connection method makes the motors perfectly suited for use in pick and place machines and pressure or position sensitive control valves. Similarly, the cover reduces noise and prevents ingress by airborne contaminants.

The VM series of voice coil motors addresses applications where excellent control characteristics for short stroke bidirectional linear actuation is required, e.g. in medical or optical equipment. Voice coil actuators can develop force in either direction by reversing the polarity of excitation. The very low hysteresis, which is typically two orders of magnitude less than in proportional solenoids allied to the flat force characteristic exhibited by the voice coil actuator make this device particularly suited to applications requiring precise control of force and / or position such as control valves, or lens and mirror positioning systems. Although proportional solenoids may be considered for such applications, the voice coil actuators have a major advantage in that they have extremely low hysteresis which makes the control of bi-directional movement superior.

The VM range is designed as actuator components with incorporated shafts and sliding bearings as standard to ensure accurate guidance of the coil assembly within the magnet assembly; position sensors are not included. In most applications the coil is the moving part. Optionally the voice coil actuators can be shipped without shaft and bearing and also completely customised versions in other sizes and even form factors are also available

**ENDS**

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