



There are a number of applications where vibrating motion is required, for which simple solenoid actuators are not ideally suited, and for which moving coil actuators although technically suitable are a costly option. Geeplus offers some simple bidirectional actuators to address such requirements.

These devices are based on a laminated stator assembly with multiple poles for good force generation, and a simple armature assembly comprising a steel plate with multiple magnets forming the poles.

The devices are offered as a set of stator and armature parts for incorporation into customers own assembly, or as an integrated module with steel flexures allowing linear motion and maintaining separation between the two.

Where separate stator and armature are used, it should be noted that a strong attraction force is developed between these, and support structure must withstand this force and maintain separation between the two parts.

Amplitude will be larger if the assembly is driven near to its resonant frequency. Applications include linear conveyors, liquid mixing, or powder compacting devices.

