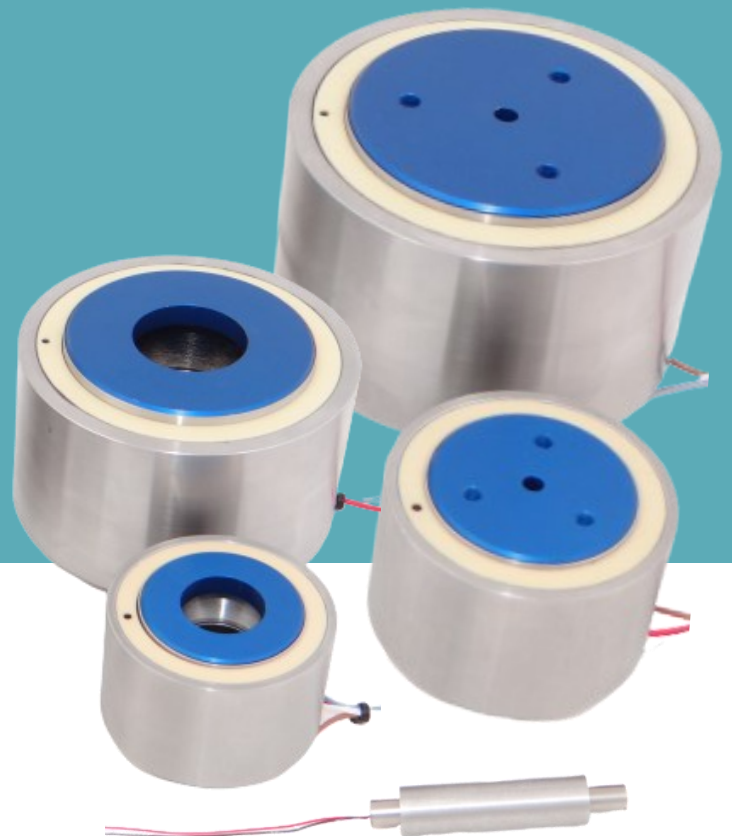


VOICE COIL ACTUATOR

MI-MMB Series

The ideal motor for precise,
repeatable and controllable
linear motion.



Increase the overall performance and quality of your systems with the direct drive motor technology of Magnetic Innovations.

Are you having problems with?

- High system cost
- High maintenance cost
- Moving wires, causing system failure
- Control complexity
- Poor motor life

If so, you are looking for our Voice Coil Actuators!

The design of the Moving Magnet Voice Coil Actuators have been proven in various high-end industrial equipment. These actuators can be applied frequently where high speed and high force density are required. Our motor has:

- High reliability and lifetime due to the absence of moving wires
- Low maintenance cost
- No heat load on the moving part
- High peak and continuous force
- A fair price

Working principle Moving Magnet Voice Coil Actuator

The working principle of these Moving Magnet Voice Coil Actuator is that the moving part is a magnet. The coils are attached to the static part of the actuator which enables a good thermal path. The absence of moving wires leads to a very high reliability and does not limit the achievable accelerations and speeds.

MMB Series: Voice Coil Actuator with Integrated Slide Bearing

This is our most complete actuator, it comes with an integrated bearing systems. The Moving Magnet Voice Coil Actuator can support high positioning resolutions in combination with external position sensors and motion controllers.

MMB Actuator Series Performance Parameters

Parameter [unit]	Models MI-MMB Series				
	1525	1555*	3070*	5536	9054
OD [mm] ¹	15	15	30	55	90
Height [mm] ¹	25	55	70	36	54
Stroke [mm] ¹	5	18	25	8	12
F continuous [N] middle position ²	2	2	13	31	110
F peak [N] ³	6	6	60	131	605
Maximum operating Voltage [Vdc]	48	48	48	48	48
Moving mass [kg]	0.0063	0.0179	0.090	0.175	0.654

*Preliminary info for models 1555 and 3070

¹ Standard range. Other dimensions and force ranges available upon request.

² Continuous force at 40°C ambient and 90°C coil temperature

³ Peak force for 10 sec. at 25°C ambient and max. 90°C coil temperature

Voice Coil Actuator with slide bearings

Mechanical drawings are available upon request.

Actuators with threaded holes



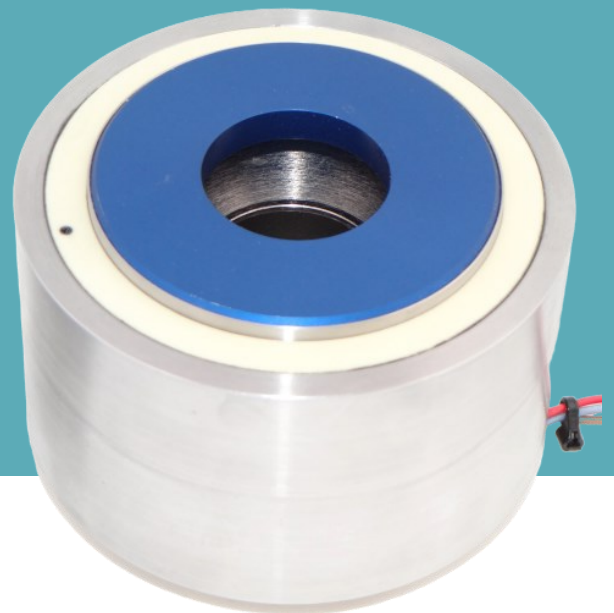
Actuators with through-hole



GO DIRECT DRIVE!

High reliability and lifetime due
to the absence of moving wires

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For more detailed information please contact us via
info@magneticinnovations.com