



Low MOQ / Lead Time

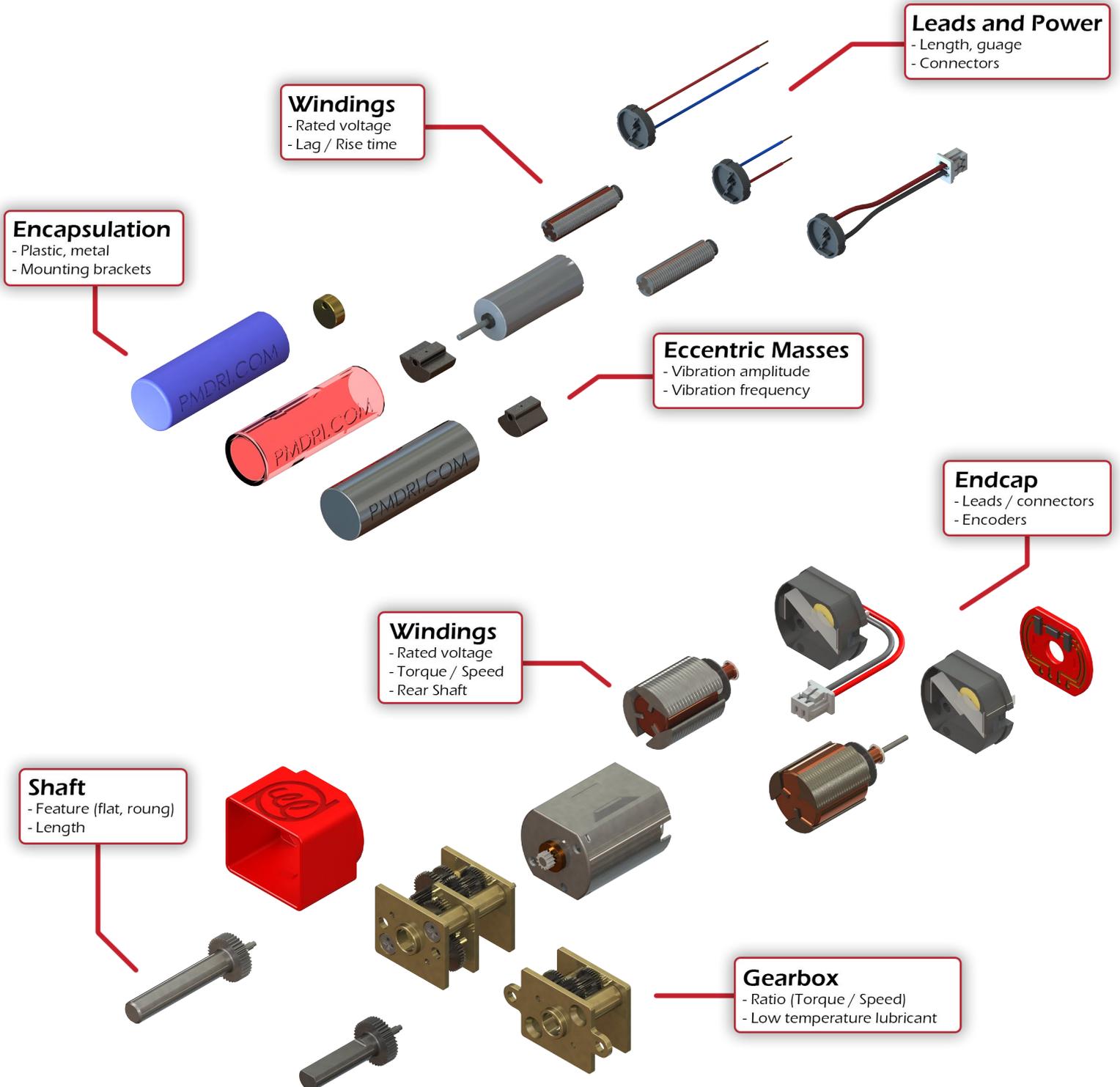
- Lead length and wire gauge
- Connectors (e.g. Molex)
- Encapsulation
- Gearing ratios
- Custom test reports
- Low temperature qualification

Medium MOQ / Lead Time

- Operating voltage
- Shaft length and features
- Torque output
- Motor speed
- Rear shaft
- Vibration frequency

Higher MOQ / Lead Time

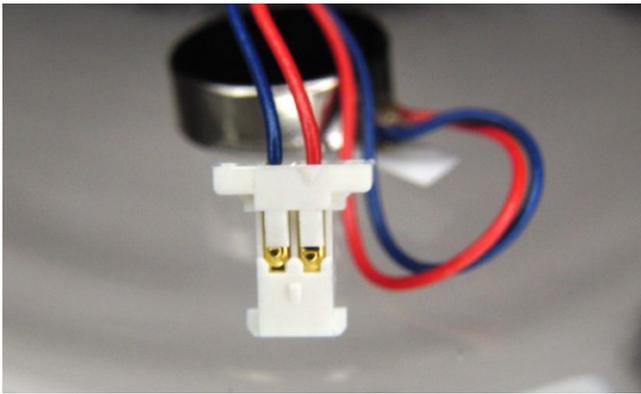
- Eccentric mass design
- Resonant frequency
- Vibration amplitude
- Custom gearbox
- Motor bearings
- Rotary encoder



Lead Times and Minimum Order Quantities

Customisations on motors will incur increased lead times and have varying MOQs, depending on the complexity. In general, small changes made to stocked motors, such as adding a simple connector to leads can be made very quickly (1-2 weeks). More complex customisations might require a change in the manufacturing process, such as increasing a gearmotor's shaft length, or several iterations of samples to validate the performance, e.g. a target vibration amplitude.

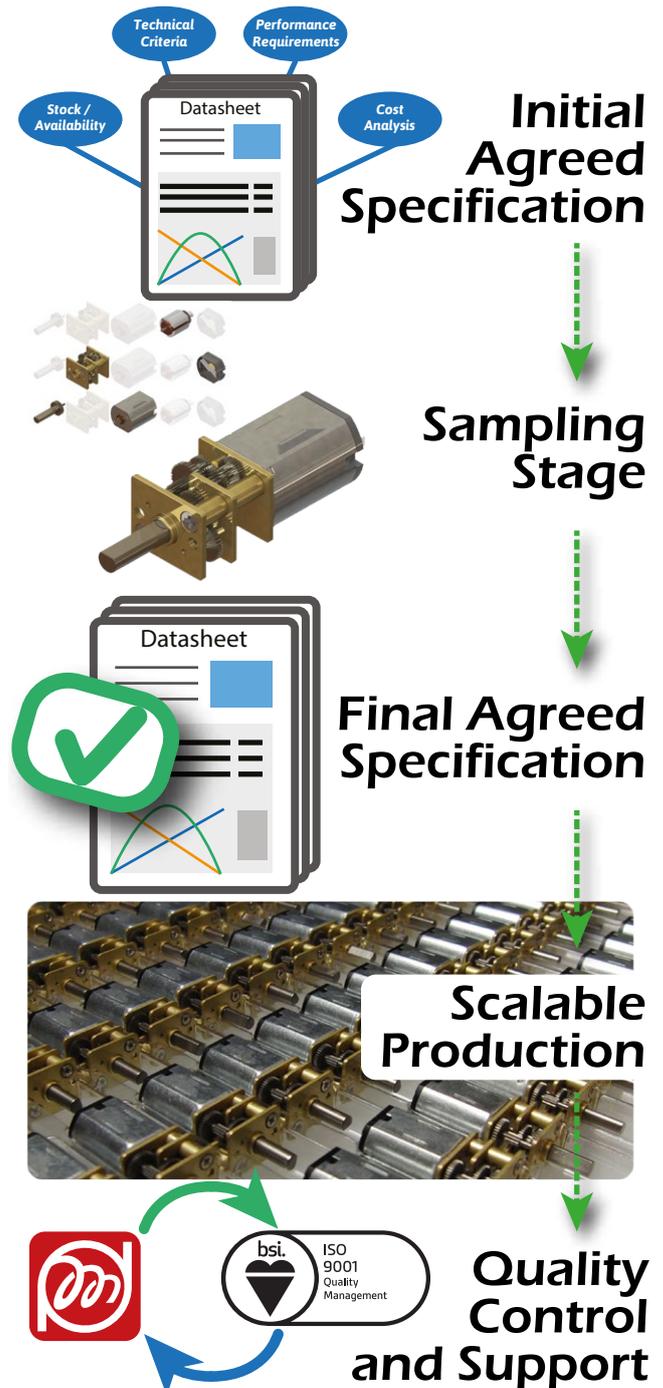
The best way to discover the possibilities, lead times and MOQs is to talk to our engineers by clicking here.



Whether it is modifications to existing motors, new designs, or additional mechanisms and driver circuits, our dedication to service quality drives our development process. If you have any questions about what customisations and products are possible, our engineers are ready to answer questions, simply contact us ([click here](#)).



Our unique structure enables us to fully manage projects through the entire design cycle. Professional engineers in the UK liaise with customers from initial contact, whilst teams in Hong Kong and China can work closely with factories to ensure final products meet the agreed specification.



Precision Microdrives has been certified by BSI to ISO9001 under certificate number FS 580540

For simple customisations, we can quickly supply low volumes - in some cases at no extra cost. For example, customers producing locking mechanism often require easily serviceable or replaceable parts. Our knowledge of suitable connectors and ability to easily shorten leads ensures our customers can sign-off in confidence before authorising production runs.

Advanced projects take advantage of our unique capabilities in DC motor design. For CAE Healthcare we managed multiple iterations of samples to perfect performance, including rewinding the motor to new rated voltage, a carefully designed and machined eccentric mass to balance the maximum current draw, and a PCB backpack for advanced EMI filtering.

