

# Motor Rotor Magnets

(电机转子磁钢)

## Introduction

Super Magnet Co.,Ltd have the rich experience to produce permanent magnets and magnetic rotor for many type of motors and generators , such as brushless dc motor, servo motor,stepper motor ,linear motor ,high speed motor ,pump motor, automobile motor and so on.



## 1. Sintered NdFeB Two polar ring magnet rotor

Two polar NdFeB ring magnet rotor are commonly used in model motor and high speed motor .Our assembly technology makes the rotor with excellent performance in ultra high speed up to 400,000rpm.

**Magnet Type:** Sintered NdFeB Ring magnet with two polar

**Max Working Temp:** 80 °C, 100 °C~ 200°C

**Magnetic Strength :** 28MGOe~52MGOe



## 2. Sintered NdFeB arc mosaic magnet rotor

The Sintered NdFeB arc mosaic magnet rotor is the good choice for high-power BLDC motor . It provides the highest and most efficiency torque .

**Magnet Type:** Sintered NdFeB arc/segment

**Max Working Temp:** 80 °C, 100 °C~ 200°C

**Magnetic Strength :** 28MGOe~52MGOe

**Unit Price Level:** ★★★★★

**Tooling Fee:** Free



**Super Magnet Co.,Ltd**

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## 3. Sintered NdFeB radial ring magnet rotor

The sintered NdFeB radial ring magnet rotor comparison with mosaic arc rotor:

**Motor performance:** make motor power increases 15%~100%

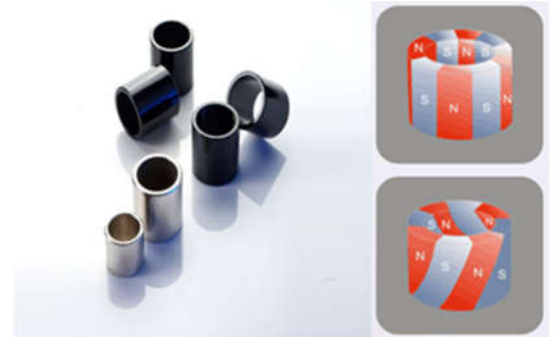
**Processing technic:** simple mechanism and good reliability, Simplify the assembly process, also reduces the assembly costs.

**Appearance precision:** the higher precision, the good coaxiality and verticality, but production with the limit of product size .

**Magnetic Strength :** 28MGOe~52MGOe

**Unit Price Level :** ★★★★★★

**Tooling fee:** High



## 4. Injection NdFeB/Ferrite magnet rotor

Injection magnet rotor produced by injection processing with magnetic powder and plastic power , has outstanding magnetic properties and plastic properties and features .

It can be processed into various components with complicated shapes and overmoulded on the metal shaft directly . Complex magnetization patterns are available

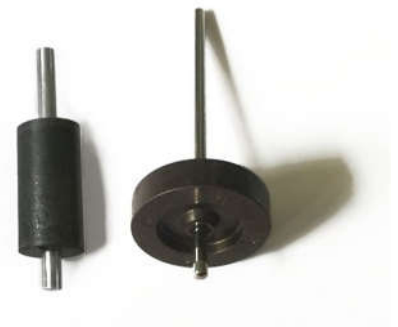
**Magnet Type:** Injection mold NdFeB / Ferrite magnets

**Max Working Temp:** 120 °C~ 160°C

**Magnetic Strength :** NdFeB 2~8MGOe, Ferrite 1.2~2.2MGOe

**Unit Price Level :** NdFeB★★★★☆ / Ferrite★★★

**Tooling Fee:** Very High



## 5. Compression NdFeB magnet rotor

The compression NdFeB magnet rotor can be produced with a maximum diameter of 200mm and a maximum length of 80mm , Complex magnetization patterns are available .

**Magnet Type:** Compression NdFeB magnet Ring

**Max Working Temp:** 150°C

**Magnetic Strength:** 2 MGOe~11 MGOe

**Unit Price Level :** ★★★

**Tooling Fee:** Middle



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