OUR GOAL
我们的目标
Committed to becoming the most professional
supplier of rare earth magnets.
致力于成为全球专业的磁铁解决方案专家。

OUR BUSINESS PHILOSOPHY
我们的经营理念
Quality-oriented and mutual benefits
“质量·双赢”是我们经营理念

OUR SERVICE CONCEPTION
我们的服务理念
User-oriented, customer first
用户至上，客户至上

QUALITY CONTROL
品质控制
The company has the capability to meet different strict testing
requirements with those in question equipment.
公司拥有先进的检查设备，确保每项产品严格检验把关。
SINTERING PROCESS
MAGNETIC PERFORMANCES

SURFACE TREATMENT

Nickel magnets have corrosion potential and are easily oxidized at the normal temperature. Thus, there is a great need for plating with high corrosion resistance. JFY Magnetic has developed its own plating unit, which can offer different magnets in various products and surface treatments.

The surface treatment of magnets is crucial in ensuring the long-lasting and reliable performance of magnetic components. JFY Magnetic provides a variety of surface treatments, including:

1. Plating: Nickel, copper, chrome, and other plating processes to enhance corrosion resistance and improve the aesthetic appearance.
2. Electroless Nickel: Excellent corrosion resistance and high heat resistance, suitable for high-temperature applications.
4. Teflon Coating: Excellent insulation properties and low friction, ideal for magnetic components that require low-friction movement.

These surface treatments ensure that JFY Magnetic's magnets meet the highest standards in terms of performance and reliability.
**Available Coating for Sintered NdFeB Magnets**

<table>
<thead>
<tr>
<th>Surface Types</th>
<th>Coating Structure (Mess)</th>
<th>Thickness (μm)</th>
<th>Color(s) (喷涂)</th>
<th>S/N (0.9N:m)</th>
<th>PC (MNT/n)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nickel</td>
<td>Ni - B</td>
<td>10-20</td>
<td>Silver 茧色</td>
<td>&gt;24-72</td>
<td>&gt;24-72</td>
</tr>
<tr>
<td>Zn</td>
<td>Zn</td>
<td>8-15</td>
<td>Blue 青色</td>
<td>&gt;30-60</td>
<td>&gt;95-72</td>
</tr>
<tr>
<td>Sn</td>
<td>Sn</td>
<td>10-20</td>
<td>Silver 茧色</td>
<td>&gt;30-72</td>
<td>&gt;48</td>
</tr>
<tr>
<td>Au</td>
<td>Au</td>
<td>10-13</td>
<td>Gold 金色</td>
<td>&gt;12</td>
<td>&gt;48</td>
</tr>
<tr>
<td>Ag</td>
<td>Ag</td>
<td>10-15</td>
<td>Silver 茧色</td>
<td>&gt;12</td>
<td>&gt;48</td>
</tr>
<tr>
<td>Epoxy</td>
<td>Epoxy</td>
<td>10-20</td>
<td>Black/Grey 黑色/灰色</td>
<td>&gt;45</td>
<td>&gt;12</td>
</tr>
<tr>
<td>Phosphating</td>
<td>Phosphating Radial</td>
<td>1.4</td>
<td>Dark Grey 深灰色</td>
<td>&gt;30-100</td>
<td>&gt;72-108</td>
</tr>
<tr>
<td>Phosphating</td>
<td>Phosphating Axial</td>
<td>1.5</td>
<td>Dark Grey 深灰色</td>
<td>&gt;30-100</td>
<td>&gt;72-108</td>
</tr>
<tr>
<td>Polyurethane</td>
<td>Polyurethane</td>
<td>5.25</td>
<td>Transparent 透明</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Generally speaking, it is required to use NdFeB in the small size of high-power speakers. In loudspeaker units and car audio field, the use of NdFeB is very large. It will be a trend that the NdFeB product replace part of the ferrite magnet speakers with the improvement of stability and high temperature resistance of NdFeB.

Extracted text:

NdFeB permanent magnet motor is the largest application area of NdFeB accounting for about 50% of the total market. Rare-earth permanent magnet motors have high efficiency and energy saving, the average efficiency is as high as 90%. Recently years, the properties of magnetic material have improved a lot, especially with the improvement in the stability, corrosion resistance, and technology development of electronic devices. NdFeB are widely used in stepper motor, linear motor, servo motor and other areas. Thus, NdFeB magnet is aimed to becoming the most professional substitution of motor magnets.

图片说明：铁氧体磁铁在汽车音响领域应用广泛，约占市场份额的10%。钕铁硼磁铁具有高磁能，广泛应用于汽车音响系统中的磁铁材料。NdFeB磁铁由于其高磁性能和低能耗，被广泛运用于精密电机、直线电机等领域。因此，NdFeB磁铁正朝着成为电机领域优质磁铁材料方向发展。
MAGNETIC ELEMENTS

MAG is able to provide customers a wide range of solutions & designs and various types of magnets to meet the requirements of different applications.

公司的产品广泛应用于汽车、电机、风能、太阳能、医疗、军事、铁路、航空航天、机器人等领域，拥有丰富的设计和加工经验。

Magnetic products of MAG are widely used in areas of computer science, electronic devices, instruments and meters, wind power, automobile motors, meters, generator systems, telecommunications and more.

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