

## Sintered Nd-Fe-B Magnets

**The information below is provided for informational purposes only and is not to be relied upon. Any reliance upon such information is at your own risk, Hitachi Metals, Ltd. (“Hitachi Metals”) assumes no liability or responsibility for any damages arising from such reliance. Hitachi Metals reserves the right to update, amend, revise or delete the information below. Please contact Hitachi Metals’ Intellectual Property Department for the most up-to-date information.**

Hitachi Metals is a recognized worldwide leader in the field of sintered rare earth magnets. Hitachi Metals owns over 600 sintered rare earth magnet patents worldwide, including over 100 patents in the United States alone. This significant patent portfolio contains patents important for the safe, efficient, commercial manufacture of sintered rare earth magnets.

1. The following manufacturers are licensed to manufacture and sell sintered rare earth magnets under certain Hitachi Metals’ patents worldwide, with limited rights to manufacture outside their countries. Please contact Hitachi Metals’ Intellectual Property Department for additional information.
  - a. Neorem Magnets Oy
  - b. Vacuumschmelze GmbH & Co. KG
2. The following manufacturers are licensed or authorized to manufacture and sell sintered rare earth magnets under certain Hitachi Metals’ patents worldwide, except Japan. Please contact Hitachi Metals’ Intellectual Property Department for additional information.
  - a. Advanced Technology & Materials Co., Ltd.
  - b. Anhui Earth-Panda Advance Magnetic Material Co., Ltd.
  - c. Beijing Jingci Magnet Co.
  - d. Beijing Zhong Ke San Huan High-Tech Co., Ltd.
  - e. Ningbo Jinji Strong Magnetic Material Co., Ltd.
  - f. Ningbo Yunsheng Co., Ltd.
  - g. The Morgan Crucible Company plc
  - h. Thinova Magnet Co., Ltd.
  - i. Yantai Zhenghai Magnetic Material Co., Ltd.

3. The following manufacturers are licensed to manufacture and sell sintered rare earth magnets under certain Hitachi Metals' patents worldwide, with limited rights to manufacture, sell and ship to or in China. Please contact Hitachi Metals' Intellectual Property Department for additional information.

a. Shin-Etsu Chemical Co., Ltd.

b. TDK Corporation

4. The following manufacturer is licensed to manufacture and sell sintered rare earth magnets under certain older Hitachi Metals' patents. Please contact Hitachi Metals' Intellectual Property Department for additional information.

Magnetfabrik Schramberg GmbH

5. Hitachi Metals has not licensed nor authorized any third party to manufacture or sell sintered rare earth magnets using its Dy diffusion and Dy-saving related technology or HILOP™ (Hitachi Low Oxygen Process) technology.

The importation, sale or use of sintered rare earth magnets may be subject to certain restrictions. For this reason, when you purchase sintered rare earth magnets and/or products incorporating sintered rare earth magnets, please provide your suppliers with information about the intended importation, sale, and use of the products, in order that your supplier can determine whether that activity would be appropriate or inappropriate in those circumstances. You should also contact Hitachi Metals' Intellectual Property Department for assistance in this process or for answers to questions you, your suppliers or your customers may have. For further information regarding Hitachi Metals' patents and patent licenses, please contact:

Hitachi Metals, Ltd.

Intellectual Property Department

Seavans North Building

2-1 Shibaura 1-chome, Minato-ku

Tokyo 105-8614, Japan

Tel: +81-3-5765-4439 Fax: +81-3-5765-4189

Inquiries [http://www.hitachi-metals.co.jp/e/cntct/indx\\_cntct.html](http://www.hitachi-metals.co.jp/e/cntct/indx_cntct.html)

December 2, 2013