

OUR BRAND VALUES

LOYALTY, DEPENDABILITY AND TRUST

Our culture of loyalty promotes lasting careers at Industrial Magnetics, which helps staff form longstanding relationships with customers who know us by name. Customers can depend on us to provide timely service, around-the-clock technical support and durable products that last. Thanks to our knowledgeable experts with decades of industry experience, customers trust the quality and accuracy of our recommended solutions.

Industrial Magnetics, Inc. is an industry leader in providing both permanent magnets and electromagnets for work holding, lifting, fixturing, conveying and magnetic separation. At IMI, our specialty is custom fabricating! We design, engineer & manufacture magnetic assemblies and separation devices for our customers' specific requirements. We take pride in the quality and performance of our products.

With worldwide distribution through a combination of a direct sales force and manufacturers representatives, we strive to provide personalized service and innovative solutions to meet the exact needs of your application. THREE PRODUCT GROUPS, ONE GOAL...the right product for the application at the right time for our customer.



IMI is proud to be a United States - based manufacturer of magnetic assemblies and our USA M.A.D.E.™ logo is how we like to show it. You will find our USA M.A.D.E.™ logo on any of our products that are **Manufactured - Assembled - Designed - Engineered** here, in the USA, at our facilities.

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MAGNET MATERIALS

Flexible Magnetic strips & sheets. These **low energy** polymer bonded magnets can form to contours and are often used for labeling or advertising. The strips or sheets can be cut or punched. Maximum temperature 160°F (70°C).

Ceramic magnets are made of Strontium Ferrite (SrFe). Ceramic magnets are a **medium strength** magnet material with a high resistance to demagnetization, long time stability (loses 0.5% of its magnetic strength in 100 years). It is a brittle material that has to be cut with diamond tipped blades. Temperature range -148°F (-60°C) to 480°F (249°C). CARBON

Alnico magnets are made of Aluminum, Nickel and Cobalt (AlNiCo). Alnico is selected for use in **high heat** environments. It offers medium strength with the best temperature characteristics of any common magnet material. Alnico magnets have a medium resistance to demagnetization. This material is very hard and brittle and cannot be machined or drilled by ordinary means. Temperature range -167°F (-75°C) to 800°F (427°C).

Rare Earth Neodymium-Iron-Boron (NdFeB) magnets, commonly referred to as Neo, provides the **highest magnetic strength** of any magnet material. Neo has a very high resistance to demagnetization and is ideal for applications requiring the maximum strength available in any given size. Neo is usually coated or plated to prevent oxidation due to its high iron content and therefore grinding of Neo material must be avoided. Temperature range -302°F (-150°C) to 180°F (82°C).

Rare Earth Samarium Cobalt (SmCo) a high magnetic strength (similar to Neo) combined with **high temperature range** making it ideal for applications requiring high strength in hot environments. Temperature range -302°F (-150°C) to 392°F (200°C).