

Magnets for Positioning / Sensing

CUSTOM SOLUTIONS

SGRT is dedicated to developing innovative technological solutions and services through a powerful combination of partnerships and magnetic expertise

Sensor Grade Magnets for Use in:

Relays and Switches

Fluid Flow Meters

Gauges

Joystick Devices

Robotics

Safety Switches

Optics

Reed Switch Activation

Standard and custom designs are available for axially and diametrically magnetized disc, multipole strip and ring magnets

Neodymium

Sintered neodymium-iron-boron (Nd-Fe-B) magnets are licensed rare earth magnets which are the most powerful commercialized permanent magnets available today, with maximum energy product ranging from 26 MGOe to 52 MGOe. Neodymium Iron Boron is the third generation of permanent magnet developed in the 1980s. It has a combination of very high remanence and coercivity and comes with a wide range of grades, sizes and shapes. With its excellent magnetic characteristics Nd-Fe-B offers flexibility for new designs or as a replacement for traditional magnet materials such as Ceramic, Alnico and Sm-Co for achieving higher efficiency and more compact devices.

Alnico

Alnico magnet material is made by alloying aluminum, nickel and cobalt with iron. Some grades also contain copper and/or titanium. The alloying process is casting or sintering. The process and the heat treatment needed to optimize magnetic properties produces hard (Rc45) and brittle parts that are best shaped or finished by abrasive grinding. Cast parts are generally under 70 pounds and may be used as-is, but polar surfaces are usually ground flat and parallel.

CAPABILITIES

SGRT specializes in customized magnetic assemblies for numerous Industrial applications. SGRT's production and warehouse facility allows us to manufacture (cut, epoxy, assemble, magnetize) customized magnetic solutions in a timely and cost effective manner.

Please Contact our office to discuss your application requirements.



Phone: 613-779-7567

Email: sgrtent@cogeco.net

www.sgrtent.ca