Bring Your Automotive Design To Life With High Performance Magnets & Magnetic Assemblies

MAGNET APPLICATIONS®
A Bunting Magnetics Company

Wherever Cars Go,

Magnet Applications Can Take You There.

Permanent magnets have played a significant role in the development of automotive engineering; from internal combustion, to hybrid and EV powertrain technologies and now are enabling the future of autonomous vehicles.

Today – over 200 years after its first design – the automobile is the most sophisticated technology owned by most Americans. Every aspect of the modern car or truck is now high-tech with focus on speed, comfort and safety. And with nearly every feature – from how it starts to how it stops – there is a requirement for a magnet or magnetic assembly.

Licensed To Drive

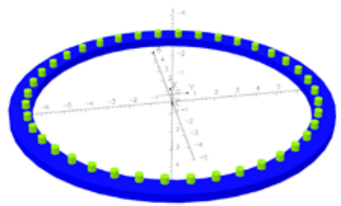
One Stop Pit Stop To Keep You On The Road

Magnet Applications® is way past the Learner's Permit; we have been in the automotive supply chain for decades, supplying engineers with the full range of magnetic materials for sensors and magnetic assemblies. Our expertise incorporates precision design, exceptional engineering, on-site 3-D modeling, and supplying magnets and assemblies from our own facility - in any quantity. Super-fast. Go from vision to viable with Magnet Applications – your source for Total Magnetic Solutions.

More Than A Backseat Driver

We Provide On-Site 3-D Modeling & Rapid Prototypes

Magnet Applications provides complete engineering and consulting services. Our expert engineering team works hand-in-hand with your design team to develop a permanent magnet or complete magnetic assembly specific to your need or sensor application. Our in-house ability to build magnetizing fixtures, manufacture custom magnets and supply machined components and fast delivery.



Magnet Materials

- **Neodymium Iron Boron** – the strongest magnet available for electric motors and generators
- **Samarium Cobalt** – to support engine systems with its high heat tolerance
- **Ceramic/Ferrite** – corrosion-resistant for low cost motors
- **Alnico** – most thermally stable and high temperature capable materials
- **Bonded Magnets** – infinite shapes possible and one step value added assemblies

Magnet Assemblies

With our metal machining, magnet fabrication and final assembly capabilities, we utilize the latest and leanest technologies applied to assembly processes. Your assembly can be welded, sleeved or encapsulated. Our post assembly process includes final grind, balancing and field mapping allowing us to deliver a precise assembly exactly when you need it.

Passing The Competition

The Only North American Manufacturer of Compression Bonded & Injection Molded Magnets

"Made In America" is a fact, not rhetoric. We bring over 50 years of working within the automotive supply chain – including supplying millions of parts into the Toyota, Ford, Jaguar, GM and Subaru supply chains and other Tier 2 and Tier 3 automotive suppliers and meet all of their exacting quality standards. We have won awards for our quality by a global automotive parts supplier.

MADE IN AMERICA
Only North American Manufacturer of Compression Bonded Magnets

Magnet Applications is the only North American manufacturer of compression bonded and injection molded magnets. Our compression bonded neodymium magnets can be designed to any size, shape or strength – including our all-new improved B12 MGOe – thanks to a complete range of presses from 4-ton to 200-ton. Other magnet materials available include sintered Neodymium Iron Boron, Samarium Cobalt, Alnico and Ceramic. These magnet types are available with numerous production routes including injection molded, extrusion and sintering to ensure we can provide any magnet or magnetic assembly in any volume to meet critical production standards.

ISO 9001:2008 REGISTERED

- ISO 9001:2008 certification and lean manufacturing techniques
- Level 3 PPAP documentation available
- Kanban, Dock-to-Stock and other JIT requirements to meet demand
- Lower freight costs for North American customers