

Magnet Applications

Magnet Applications has been manufacturing magnets for more than 50 years.

Originally based in England, the company began operating in the United States in 1991 and built a manufacturing facility in central Pennsylvania in 1998.

In 2008, the company was acquired by Bunting Magnetics, Newton, KS. The company has five offices across the globe:

- Flexible Die Division in Newton, KS.
- Magnet Materials Division in Elk Grove Village, IL.
- Magnet Applications Limited (MAL) manufacturing operation in Berkhamsted, England.
- A purchasing office for Bunting China located in Ningbo, China.
- Official licensee in Boronia Victoria, Australia, Alpha Magnetics Pty. Ltd.

Wind Industry

Magnet Applications entered the wind industry when a turbine manufacturer approached them to design and produce a magnetic assembly for their turbine/generator.

Mike Miller, vice president of sales, explains that turbines spin a coil of magnets within a winding of wire to generate electricity.

Magnets

“Because we specialize in rare earth magnets neodymium iron boron (NdFeB) as well as samarium cobalt magnets, our rotor assemblies produce more power with less weight, making turbines more efficient,” Miller says.

According to Miller, engineers at Magnet Applications work closely with customers to create a magnet and assembly design to provide a total magnet solution.

“There are many ways to make a turbine,” says Miller. “Our experience allows us to help engineers specify and buy magnets where weight, strength, durability, polarity, and shape are important,” he continues.

Miller says Magnet Applications is one of the few remaining domestic manufacturers of magnets in the United States.

“We use our expertise in the manufacturing and sourcing of rare earth magnets, whether by sintering or compression bonding and injections molding of NdFeB, and other rare earth magnets to solve complex design problems,” says Miller.



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Magnet Applications

Products:

- Magnetic Assemblies
- Compression-Molded Neodymium Iron Boron Magnets
- Injection-Molded Neodymium Iron Boron Magnets
- High-Energy Bonded Neodymium Iron Boron Magnets
- Injection-Molded Ferrite Magnets
- Sintered Samarium Cobalt Magnets
- Sintered Neodymium Iron Boron Magnets
- Sintered Radially Aligned Neodymium Iron Boron Magnets

Capabilities:

- Injection Molding
- Compression Molding
- Machining
- Plastic Molding
- Design/Engineering

