

Nanodots GYRO: Experimental Magnets from the Labs of Nano Magnetism

Gadget toy kicks off new series of motion and magnetism experiments

TORONTO, ON, CANADA, November 7, 2013 /EINPresswire.com/ -- Nano Magnetism today announced Nanodots® GYRO(TM), the first in a new series of magnet and motion explorations from the Labs of Nano Magnetism. The GYRO compliments Nano's current award-winning lineup of magnetic products and will be available for pre-order in limited quantities through select retailers and on Nanodots.com/gyro.html

NANODOTS GYRO

The first Nanodots® GYRO is based on a thought experiment: "What happens when a magnet's field is allowed to move independently from its surface?" Presented in physical form, each golf-ball sized Nanodots GYRO features an internal mechanism that holds a set of



four high-powered Neodymium magnets. The patent pending system features internal gimbals that decouple the motion of the GYRO's surface from its internal magnetic array. This allows the GYROs to move like spherical gears while transparent housings lets you see the mechanism at work.

Nanodots GYRO duos are available in sets of two with a wooden display base and two additional proxy magnets for experimentation.

Great For:

- Fun & Experimentation
- Gifting
- Education
- Games
- Tabletop Art

SAFETY

Nanodots GYROs use high-powered permanent magnets that interact over distances. Magnets can attract objects abruptly and unexpectedly. The units are not meant to be opened. Keep out of the reach of young children. Exercise caution around individuals with pacemakers.

AVAILABILITY

USA - The GYRO duo is available in limited quantities at select retailers for \$39.95. Find them at ThinkGeek, Brookstone and Nanodots.com.

Canada - The GYRO duo is available in limited quantities at select retailers for \$39.95. Find them at F.G.Bradley's, Scholar's Choice and Nanodots.com.

PRODUCT LINEAGE

In 2008, the Original 5mm Nanodots(R) Magnetic Constructors were developed for the study of structure and magnetism. Optimized for maximum structural integrity Nanodots were used to set a [Guinness World Record](#) for the largest magnet sculpture in 2011 in Los Angeles. The record remains unchallenged at 550,000 Nanodots pieces weighing 600 lbs.

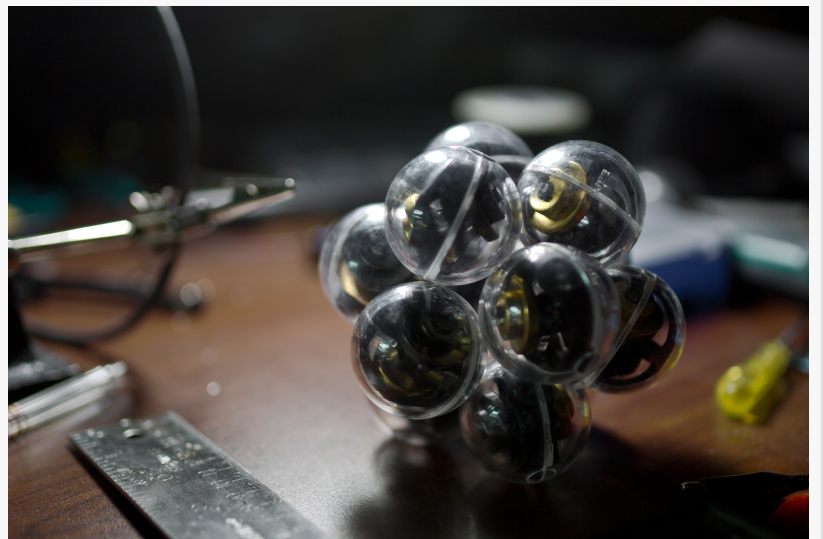
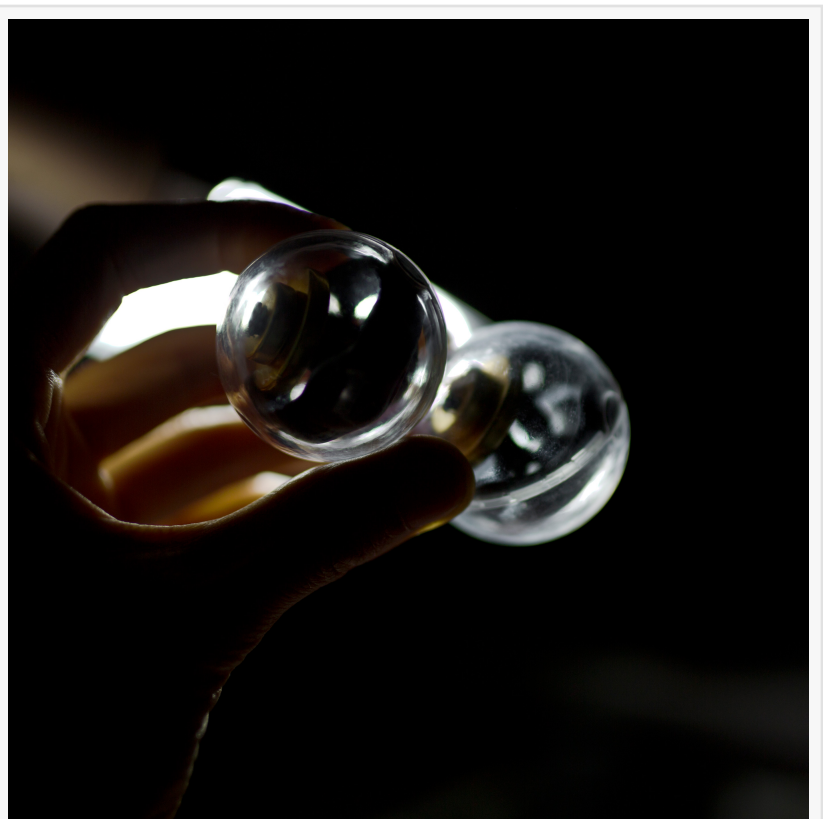
Nano later developed MEGA Nanodots for exploring the interaction of magnetism and kinetic energy. Made with a special formulation of ceramic ferrite, MEGA Nanodots transfer kinetic energy through touching masses similar to a Newton's cradle. They can also be used for assembling basic structures similar to the original magnetic constructors.

The Nanodots GYRO is a continuation of magnetic studies from the Labs of Nano Magnetics. It aims provide intuitive explorations of how magnetism and motion are related. Several versions of the GYRO are planned for future release.

EDUCATION & EXPERIMENTATION

GYRO interactions mirror the internal structures of magnets. As the fields of each GYRO interact with each other, they coordinate and form "magnetic domains". This coordination dictates whether a magnet has a strong field, or none at all.

Beyond magnets, an atom's field determines the types of structures it can form, and the properties it would have. The first edition GYRO exhibits basic dipole magnetism. More exotic arrangements are planned for the future!



Nano Magnetics Ltd.

Nano Magnetics is a product innovation company headquartered in Toronto, ON founded in 2009. Famous for its World Record Holding Nanodots Magnetic Constructors, Nano Magnetics is a pioneer and leading innovator in the consumer magnet industry.

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