



For Immediate Release

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Brochure Highlights Applications and Operating Details of Eriez' PolyMag® Mixed Resin Separator

Erie, Pa. — Eriez®, world authority in magnetic, vibratory and inspection applications, now offers a four-page brochure which explains the operational characteristics and applications for the company's revolutionary [PolyMag® Process](#).

Eriez' PolyMag Process utilizes the time-tested method of magnetic separation to reclaim valuable plastic resins. The PolyMag Separator uses extremely powerful Erium™ Rare Earth Permanent Magnets to separate mixed resin regrind particles. This process virtually eliminates costly hand sorting and other labor-intensive procedures molders have used to recover valuable mixed resins.

The brochure takes readers through an overview of the PolyMag Process and the various applications, such as injection molding, co-extrusion, sequential 3D molding, color separation and more. There is also a case study showing the regrind results using an 8-inch wheel constructed of nylon and TPE.

The brochure is available from the Eriez Web Site at: <http://www.eriez.com/Products/PolyMagProcess/> or by calling Eriez toll-free at 888-300-ERIEZ (3743).

Eriez is recognized as world authority in advanced technology for magnetic, vibratory and inspection applications. The company's magnetic lift and separation, metal detection, x-ray, materials feeding, screening, conveying and controlling equipment have application in the process, plastics, rubber, metalworking, packaging, recycling, mining, aggregate and textile industries. Eriez manufactures and markets these products through ten international facilities located on six continents. For more information, call toll-free (888) 300-ERIEZ (3743) within the U.S. and Canada. For online users, visit www.eriez.com or send e-mail to eriez@eriez.com. Eriez World Headquarters is located at 2200 Asbury Road, Erie, PA 16506.

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POLYMAG® PLASTICS SEPARATOR AND PROCESS

A unique process for the easy separation and recovery of mixed plastic materials.



- BENEFITS**
- Scrap cost reduction
 - Eliminates salvage labor
 - Eliminates ergonomic risks
 - Improves material traceability
 - Provides consistent materials
 - Reduces disposal costs
 - Provides higher value regrind
 - Separates unusable blends
 - Enhances process control

NEW
ONLY FROM ERIEZ

Today, designers and manufacturers are turning to two shot injection molding, over-molding, co-molded profiles and sequential 3D blow molding to produce the most cost effective new designs. This results in reduced assembly costs, better part consistency and higher quality at a lower overall cost. These sophisticated moldings are more challenging to design, tool and mold. One challenge that processors face, in producing multi-material moldings, is segregating and recovering dissimilar resins. Eriez now offers a solution to this problem.

The **PolyMag®** Process provides an effective and automated means to recover manufacturing scrap and waste for multi-material processors. To do this the **PolyMag®** additive is incorporated into one of the polymers prior to molding, similar to colorant, making this resin susceptible to

the very strong magnetic field produced in the **PolyMag®** Rare Earth Roll Separator. Scrap parts are run through a traditional granulator and the **PolyMag** separator can then separate the mixed polymer regrind.

Without the **PolyMag** process companies making parts with co-molded materials either incurred the costs to dispose of these parts, losing the valuable resins or they added expensive labor to manually try to separate different plastics. Manual separation often involves band saws, razor knives and peeling that add ergonomic and employee safety risks.

Eriez provides progressive multi-material processors with a simple method to reduce the cost of waste.

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