Dings CO
magnetic group

EDDY CURRENT SEPARATORS

Magnetic RESULTS™

SO SIMPLE...
SO EFFECTIVE

DINGS OFFERS DISTINCT PAYBACK ADVANTAGE

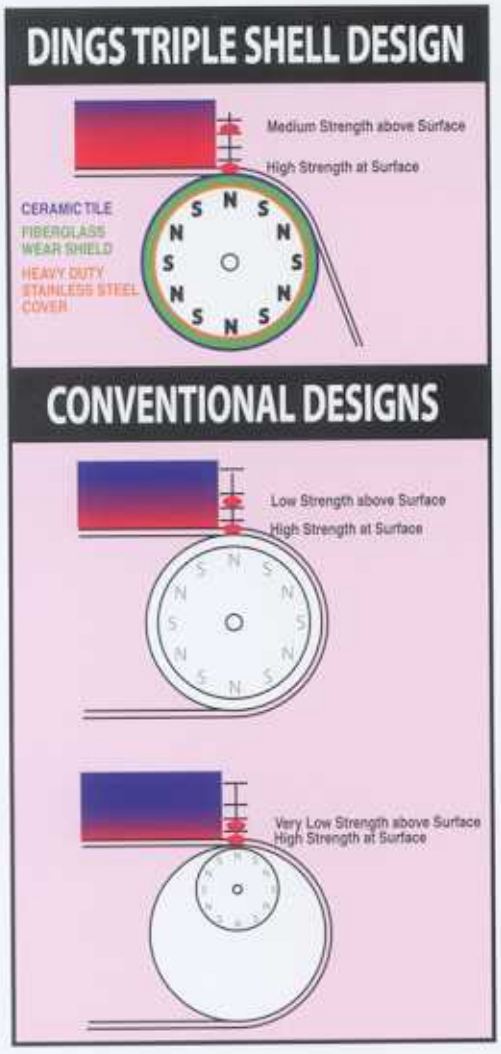
When it comes to reclaiming nonferrous metal, one system's design separates itself from the rest - the Dings eddy current separator. It's built for years of reliable service, backed by over a century of experience in magnetic technology and manufacturing. Dings unique design provides maximum recovery, even in the most challenging environments. Its deep magnetic field can handle more tons and recover more metal, giving the Dings eddy current separator a distinct payback advantage.

DEEP MAGNETIC FIELD INCREASES RECOVERY

- Larger magnet blocks produce deeper field
- Will process deep burdens
- Improves rate of recovery
- Will separate nonferrous including aluminum
- More tons processed with more metal recovered for higher profits

LARGER MAGNETIC FIELD RESULTS IN OPTIMUM RECOVERY

- Maximum separating power
- Full diameter rotor for longer exposure to field
- Excellent recovery of heavy nonferrous metals
- Faster processing for increased productivity



IN-LINE SEPARATION IMPROVES EFFICIENCY

- Fits easily into your existing line
- High volume capacity
- No double handling needed
- Quicker payback

STYLES FOR EVERY APPLICATION

- Choice of 7", 12" or 13" rotor
- Conventional 2 pulley or heavy duty 4 pulley design
- Urethane belt with thermowelded PVC "T" cleats move burden efficiently and reduce belt wear

2 Pulley Design

TRIPLE SHELL PROTECTS KEY COMPONENTS

- Triple shell layers of ceramic tile, fiberglass shell, heavy duty stainless steel, protect magnetic roller assembly
- Longer life
- Lower maintenance and repair costs

4 Pulley Design shown with optional discharge housing

RUGGED CONSTRUCTION PROVIDES INEXPENSIVE, LOW MAINTENANCE SEPARATION FOR HEAVY INDUSTRIAL AND COMMERCIAL ENVIRONMENTS

Reliability and easy maintenance are just a few of the benefits of Dings trouble-free design. The Dings eddy current separator is engineered to withstand severe outdoor environments and the dirty, dusty surroundings found at many job sites. Steel I-beams provide solid support for the separator, heavy-duty drive packages are used, and oversized shafts and bearings provide greater reliability and longer service.

The permanent rare earth magnets used in the separator are well-suited to industrial environments. They offer high strength and long life; do not require power; and do not rely on sensitive electronics requiring clean, dry surroundings. Many facilities, such as MRFs, operate up to 20 hours per day, moving hundreds of tons of materials. The Dings separator is designed for such heavy-duty continuous use.

With over 100 years of experience in metal fabrication, Dings Co. has built a solid reputation as a manufacturer of rugged separation equipment. Dings was a pioneer in designing products for severe duty recycling applications, such as crushed concrete and C&D debris, and is continuing the tradition with a rugged, dependable design for its eddy current separator. Unlike some eddy current separator suppliers, it does not contract out any of its fabricating-all is done in-house at Dings' U.S. manufacturing facility.

The eddy current system can be used to separate aluminum, die-cast metal, or copper from nonmetallic material. Nonferrous metals that are highly conductive and lightweight are easiest to separate because they allow the formation of high currents and large forces. Other nonferrous metals are recoverable, as well, depending upon their alloy content and particle size.

DISCHARGE HOUSING

- Discharge chute for nonmetallic material.
- Discharge chute for nonferrous metal.
- 7 gauge material for longer life.
- Clear Lexan doors on both sides for inspection and access to splitter.
- Adjustable splitter.
- Optional splitter extension available to move splitter closer to magnetic rotor.
- Transitions available to fit customers' chutework or conveyors.
- Housing components can be customized to meet special separation or dimensional requirements.

gnetic RESULTS™

PUT AN EDDY CURRENT SEPARATOR TO WORK FOR YOU

- Generate income from the sale of the recovered nonferrous metal.
- Save money by reducing transportation and landfill costs by eliminating the weight of the nonferrous metal from the material being hauled to the landfill.
- Command a better price with upgraded nonferrous.
- Improve the quality of your nonmetallic material by removing contaminating nonferrous metal.
- Save on labor costs by reducing the man-hours required for manual sorting.

MODELS TO MEET YOUR SPECIFIC APPLICATION

Based on your application, we can size and select an eddy current model to your exact specifications. For selection, the type and density of your material, tons per hour processed (including average and peak rates), and other information about your application need to be considered.

We encourage you to provide us with a representative sample of the material you wish to separate. We'll test it on an eddy current separator at the Dings laboratory and give you a confidential analysis.

	Model 9000	Model 9100	Model 9300	Model 9400	Model 9500
Rotor Diameter	7"	7"	12"	13"	13"
Widths	up to 36"	up to 36"	up to 48"	up to 48"	up to 48"
Applications	MRFs, scrap metal processors and other low volume nonferrous metal recovery			Severe-duty applications such as auto shredding and high volume MRFs	
Construction	Heavy-duty 4 pulley design	Low profile 2 pulley design	Low profile 2 pulley design	Heavy-duty 4 pulley design	Low profile 2 pulley design

- The Dings eddy current separator is ideal for recovering nonferrous metals from commingled recyclables, plastics, glass, material processed at composting or waste-to-energy facilities, automotive shredder residue, and other processed materials or minerals.
- The separator can be specified for a new processing line, or added to an existing system.
- Many MRFs are being retrofitted with automated sorting equipment such as eddy current separators to increase productivity, improve safety, and reduce liability claims.

Dings CO

Magnetic RESULTS™

Dings Company Magnetic Group
4740 W. Electric Avenue
Milwaukee, WI 53219
414.672.7830
414.672.5354 Fax
www.dingsco.com