



**INDUSTRIAL
MAGNETICS.**



SERIES CIRCUITS

There are (5) Rare Earth circuit configurations in the Opti Series family of 1" OD magnetic circuits. Each circuit is designed to optimize values which have been identified and earmarked as critical measurements for the specification, purchase, audit, verification and validation requirements for magnetic separation equipment.

A highly durable Ceramic magnet configuration is also available and is recommended for placement early in the processing stream to capture large tramp metal pieces.

Magnetic Opti® Tube Configurations

- » Opti-B™ Balanced Rare Earth circuit ideal for abrasive applications, featuring a high-performance blend of gauss and pull strength
- » Opti-G™ Rare Earth Circuit which optimizes high performing magnetic field strength at tube surface
- » Opti-P™ Rare Earth Circuit with high performing pull strength on a 1/4" ball
- » Opti-H™ HACCP International Food Safety Programme Certification-approved Rare Earth circuit
- » Opti-M™ Mid-Tube (2" Diameter) Rare Earth Circuit for products prone to have flowability and bridging tendencies
- » Opti-L™ Large Tube (3" Diameter) Rare Earth Circuit for products prone to have flowability and bridging tendencies
- » Opti-T™ High Temperature Rare Earth Circuit with high durability and high heat tolerance
- » Opti-V™ Durable Tube with a Ceramic Circuit for larger tramp metal removal applications



MAGNETIC GRATE TUBES DESIGNS, APPLICATIONS AND SPECIFICATIONS

CONFIGURATION	TUBE DIA.	APPLICATION	MAGNET	1/4" BALL PULL VALUES	1/2" BALL PULL VALUES	GAUSS	MAX. OPERATING TEMP.	DURABILITY
Opti-B™	1"	Balanced	UHI-52™ Rare Earth	96.3 oz. (6.02 lbs.)	267.2 oz. (16.7 lbs.)	9,470	176°F (80°C)	★★★★★
Opti-G™	1"	High Gauss	UHI-55™ Rare Earth	108.1 oz. (6.76 lbs.)	263.2 oz. (16.45 lbs.)	11,605	176°F (80°C)	★★★★
Opti-P™	1"	High Pull	UHI-55™ Rare Earth	117.8 oz. (7.37 lbs.)	313.6 oz. (19.60 lbs.)	10,450	176°F (80°C)	★★★★
Opti-H™	1"	HACCP	UHI-55™ Rare Earth	105.1 oz. (6.57 lbs.)	260.8 oz. (16.30 lbs.)	11,065	176°F (80°C)	★★★★★
Opti-M™	2"	Mid-Tube	UHI-52™ Rare Earth	130.1 oz. (8.13 lbs.)	461.5 oz. (28.85 lbs.)	13,350	176°F (80°C)	★★★★★
Opti-L™	3"	Large Tube	UHI-52™ Rare Earth	103.7 oz. (6.48 lbs.)	442.9 oz. (27.68 lbs.)	12,750	176°F (80°C)	★★★★★
Opti-T™	1"	High Temperature	Hi-Temp Rare Earth	58.6 oz (3.67 lbs)	186.9 oz (11.68 lbs)	7,240	356°F (180°C)	★★★★★
Opti-V™	1"	Value	Ceramic	8.2 oz (0.52 lbs.)	24 oz. (1.50 lbs.)	2,325	482°F (250°C)	★★★★★

NOTE: All Opti™ Series options are available across Industrial Magnetics' entire lineup of Tramp Metal separation equipment.

*The variability of test results is +/- 10%

THIRD PARTY CERTIFICATIONS



HACCP International

Our Sanitary Grade Magnetic Grate Tubes are certified by HACCP International and fully conform to HACCP International's Food Safety Standard (0909MAGSEP 1-2010) for direct contact with food product.



USDA AMS

Our Sanitary Grade Magnetic Grate Tubes are USDA AMS accepted Dairy, Meat and Poultry magnetic separator processing equipment.

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