

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 larger tramp metal pieces.

MAGNETIC TUBE CONFIGURATIONS

- **Opti-B™** Balanced Rare Earth circuit ideal for abrasive applications, featuring a high-performance blend of 9,500 gauss and 16.7 pounds of pull strength on a 1/2" ball
- **Opti-G™** Rare Earth Circuit which optimizes magnetic field at 12,000 gauss
- **Opti-H™** HACCP International Food Safety Programme Certification-approved Rare Earth circuit with over 11,000 gauss and 106 oz. of pull strength on a 1/4" ball
- **Opti-L™** Large Tube Rare Earth Circuit for products prone to have flowability and/or bridging tendencies; Over 12,000 Gauss
- **Opti-P™** Rare Earth Circuit which boasts 119 oz. of pull strength on a 1/4" ball
- **Opti-T™** High Temperature Rare Earth Circuit with high durability and heat tolerance up to 356°F
- **Opti-V™** Durable Tube with a Ceramic Circuit for larger tramp metal removal applications

Magnetic Grate Tubes Designs, Applications and Specifications						
Configuration	Application	Magnet	1/4" Ball Pull Values*	1/2" Ball Pull Values*	Gauss*	Durability
Opti-B™	Balanced	UHI-52™ Rare Earth	95.8 oz. (5.99 lbs.)	267.2 oz. (16.7 lbs.)	9475	★★★★★
Opti-G™	High Gauss	UHI-55™ Rare Earth	108.3 oz. (6.77 lbs.)	265.6 oz. (16.6 lbs.)	12000	★★★
Opti-H™	HACCP	UHI-55™ Rare Earth	106 oz. (6.63 lbs.)	260.8 oz. (16.3 lbs.)	11175	★★★★
Opti-L™	Large Tube	UHI-52™ Rare Earth	106.8 oz. (6.68 lbs.)	448 oz. (28 lbs.)	12385	★★★★★
Opti-P™	High Pull	UHI-55™ Rare Earth	119.1 oz. (7.44 lbs.)	316.8 oz. (19.8 lbs.)	10539	★★★
Opti-T™	High Temperature	Hi-Temp Rare Earth	60.5 oz (3.78 lbs)	188.3 oz (11.78 lbs)	7240	★★★★★
Opti-V™	Value	Ceramic	0.5 oz. (0.03 lbs.)	24 oz. (1.5 lbs.)	2320	★★★★★

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.