



we create innovations!



GRAVITY
MAGNETICS

ENGINEERING TRUST.
DELIVERING PERFORMANCE.

Gravity Magnetics is a Gujarat-based manufacturer specializing in high-performance Magnetic Separators, Magnetic Equipment, and Vibrating Screens designed to enhance productivity, improve material purity and optimize industrial processes. With a strong focus on engineering excellence and precision manufacturing, we deliver reliable solutions that meet the evolving needs of industries across India and beyond.

Every machine we manufacture is built with premium materials, advanced technology, and strict quality standards to ensure long-lasting performance, minimal maintenance, and maximum efficiency. Our commitment to innovation, consistency, and customer satisfaction has made us a trusted partner for businesses seeking dependable magnetic separation and screening solutions.

Precision Engineered Solutions

Superior Build Quality

Reliable & Long Service Life



BUILT TO PERFORM.
ENGINEERED TO LAST.

MAGNETIC DESTONER MACHINE

GM-01 //



KEY FEATURES //

- Removes iron particles, stones, mud balls & heavy impurities from free-flowing materials.
- Works as a densimetric separator for grains, pulses, rice, flour, sugar, spices, seeds, chemicals, minerals & plastic granules.
- Magnetic Strength:** Up to 14,000 Gauss
- Magnet Grade:** Premium N52 Rare Earth NdFeB
- Roller Sizes:** Ø100 mm.
- High efficiency, low maintenance & easy operation
- Custom capacities available as per customer requirements.

IDEAL FOR //



GRAINS



PULSES



RICE



SPICES



CHEMICAL



MINERALS





BUILT TO PERFORM.
ENGINEERED TO LAST.

MAGNETIC ROLLER SEPARATOR

GM-02 //



KEY FEATURES //

- ✓ Removes fine iron particles & paramagnetic impurities from minerals and ceramic raw materials.
- ✓ Equipped with High-Intensity Rare Earth Neodymium Magnetic Roller for efficient separation.
- ✓ Double-pass magnetic separation ensures maximum product purity.
- ✓ Ideal for minerals, quartz, feldspar, silica, ceramic powders & industrial raw materials.
- ✓ Delivers high separation efficiency, low maintenance & continuous operation.
- ✓ Robust construction with custom capacities available.

IDEAL FOR //



GRAINS



PULSES



RICE



SPICES



CHEMICAL



MINERALS





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MULTI STAGE ROLLER SEPARATOR MACHINE

GM-03 //



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KEY FEATURES //

- ✓ Available in **Double, Triple & Up to 8-Stage** configurations.
- ✓ Delivers **multiple-stage magnetic separation** for maximum purity.
- ✓ Efficiently removes **fine ferrous & weak magnetic contaminants**.
- ✓ **Dust-proof, heavy-duty design** for continuous industrial operation.
- ✓ Powered by **High-Intensity Rare Earth Magnetic Rollers**.
- ✓ **Roller Sizes: Ø100 mm**
- ✓ **Custom sizes & capacities** available to suit application requirements.

IDEAL FOR //



GRAINS



PULSES



RICE



SPICES



CHEMICAL



MINERALS





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MAGNETIC DRUM WITH **ROLLER COMBO** MACHINE

GM-04 //



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KEY FEATURES //

- ✓ **Combination of Magnetic Drum & High-Intensity Magnetic Roller in a single machine.**
- ✓ **Magnetic Drum removes free iron & heavy ferrous contaminants.**
- ✓ **Magnetic Roller separates fine & weak paramagnetic impurities.**
- ✓ **Ensures higher purity with two-stage separation in one pass.**
- ✓ **Suitable for minerals, ceramics, silica, quartz, feldspar, chemicals & industrial powders.**
- ✓ **Capacity: 0.5 TPH to 7 TPH (custom capacities available).**
- ✓ **Heavy-duty construction, low maintenance & continuous operation.**

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MAGNETIC DRUM SEPARATOR MACHINE

GM-05 //



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KEY FEATURES //

- ✓ Automatically removes **ferrous contaminants** from raw materials.
- ✓ Available in **Single & Double Drum** configurations.
- ✓ Options in **Medium & High-Intensity Magnetic Systems**.
- ✓ Ideal for **minerals, chemicals, refractories, ceramics & industrial raw materials**.
- ✓ Equipped with **High-Power Permanent Magnets** for efficient separation.
- ✓ **Dust-proof design** with optional vibrating feeder for smooth material flow.
- ✓ **Heavy-duty construction, low maintenance & continuous operation.**

IDEAL FOR //



IRON ORE



RECYCLING



FOUNDRIES



CEMENT



CHEMICAL



MINERALS





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DOUBLE DRUM MAGNETIC SEPARATOR

GM-06 //



KEY FEATURES //

- ✓ **Double Drum design** for enhanced magnetic separation.
- ✓ Removes **ferrous contaminants** with high efficiency in two stages.
- ✓ Available with **Ferrite or Rare Earth Permanent Magnets**.
- ✓ Ideal for **minerals, ceramics, chemicals, refractories & industrial raw materials**.
- ✓ **Heavy-duty stainless steel construction** for long service life.
- ✓ Standard drum sizes from **Ø600 mm to Ø1200 mm** (custom sizes available).
- ✓ **High capacity, low maintenance & continuous operation**.

IDEAL FOR //



IRON ORE



RECYCLING



FOUNDRIES



CEMENT



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MINERALS





BUILT TO PERFORM.
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CREDENT MAGNETIC

GM-07 //



KEY FEATURES //

- ✓ Removes tramp iron & ferrous contaminants from conveyor belts.
- ✓ Ideal for recycling, mining, quarrying, crushing & cement industries.
- ✓ Available with High-Intensity Ferrite & NdFeB Rare Earth Magnets.
- ✓ Magnetic Strength: Up to 3500 Gauss.
- ✓ Self-cleaning rubber belt for continuous automatic operation.
- ✓ No power required (Permanent Magnet Model) with low maintenance.
- ✓ Standard sizes for 600 mm, 800 mm, 1000 mm, 1500 mm & 2000 mm conveyors.

IDEAL FOR //



STEEL



RECYCLING



FOUNDRIES



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MAGNETIC DRUM WITH **VIBRATING** SCREEN

GM-08 //



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KEY FEATURES //

- Combines Magnetic Drum Separator with Vibrating Screening Unit.
- Simultaneously removes ferrous contaminants and screens material by size.
- Ideal for foundry sand, minerals, slag, glass, ceramics & recycling industries.
- High-capacity continuous operation with low power consumption.
- Heavy-duty MS construction for long service life.
- Available in custom screen sizes & drum capacities.
- Low maintenance, easy operation & high separation efficiency.

IDEAL FOR //



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RECYCLING



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INLINE MAGNET SEPARATOR MACHINE

GM-09 //



KEY FEATURES //

- ✓ Removes fine ferrous contaminants from powders & granules.
- ✓ Installed directly in inline pipelines for continuous operation.
- ✓ Equipped with High-Intensity Rare Earth NdFeB Magnets.
- ✓ Ideal for food, pharmaceuticals, chemicals, plastics & minerals.
- ✓ Stainless Steel construction with easy-clean design.
- ✓ Low maintenance, high efficiency & custom sizes available.

IDEAL FOR //



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CIRCULAR VIBRATING SCREEN

GM-10 //



GRAVITY
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KEY FEATURES //

- ✓ Ideal for **grading, sizing & screening** of fine, wet and dry materials.
- ✓ **Multi-directional gyratory vibration** ensures high screening efficiency.
- ✓ **Anti-blinding screen design** for smooth, continuous operation.
- ✓ Suitable for **powders, granules, chemicals, minerals, food & pharmaceutical products**.
- ✓ Available in **MS & SS construction**.
- ✓ **Up to 6 decks** for multi-stage separation.
- ✓ **Available Sizes:** Ø600 mm, Ø900 mm, Ø1200 mm, Ø1800 mm & Ø2400 mm.
- ✓ **Low power consumption, high capacity & easy maintenance.**

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PULSES



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SPICES



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RECTANGULAR **VIBRATING** SCREEN

GM-11 //



KEY FEATURES //

- ✓ Available in Single, Double & Multi-Deck configurations.
- ✓ Operated by Eccentric Shaft or Vibratory Spring System.
- ✓ Screens materials up to 300 Mesh with high accuracy.
- ✓ Ideal for minerals, stone, ceramics, glass, plastics & salt.
- ✓ Heavy-duty construction with anti-blinding screen design.
- ✓ High capacity, low maintenance & continuous operation.

IDEAL FOR //



PLASTIC



RECYCLING



FOUNDRIES



CEMENT



CHEMICAL



MINERALS

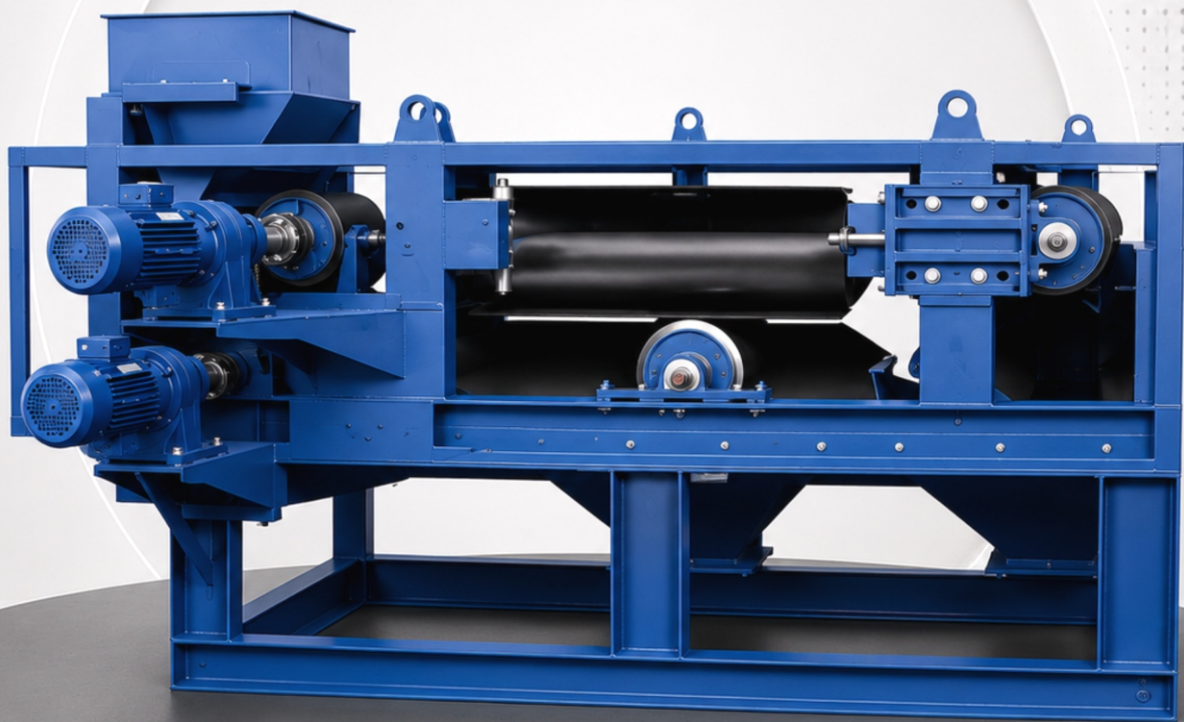




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MAGNETIC CONCENTRATOR **SEPARATOR** MACHINE

GM-12 //



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KEY FEATURES //

- Separates magnetic minerals from non-magnetic materials with high efficiency.
- Equipped with High-Intensity Ferrite Magnetic Roller.
- Ideal for silica, quartz, feldspar, iron ore, beach sand & mineral processing.
- Continuous belt-type operation for higher productivity.
- Heavy-duty construction with low maintenance.
- Custom sizes & capacities available.

IDEAL FOR //



IRON ORE



RECYCLING



SILICA



CERAMIC



STEEL



MINERALS





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BALL MILL DRUM

GM-13 //



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KEY FEATURES //

- ✓ Hexagonal Drum designed for grinding, polishing & mixing.
- ✓ Separates slag from iron after magnetic separation.
- ✓ Delivers up to 99-100% pure metal recovery.
- ✓ Heavy-duty grinding balls ensure efficient slag removal.
- ✓ Ideal for foundry, steel & metal recycling industries.
- ✓ Robust construction, low maintenance & continuous operation.

IDEAL FOR //



FOUNDRIES





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GM-14 //

MAGNETIC ROLL

KEY FEATURES //

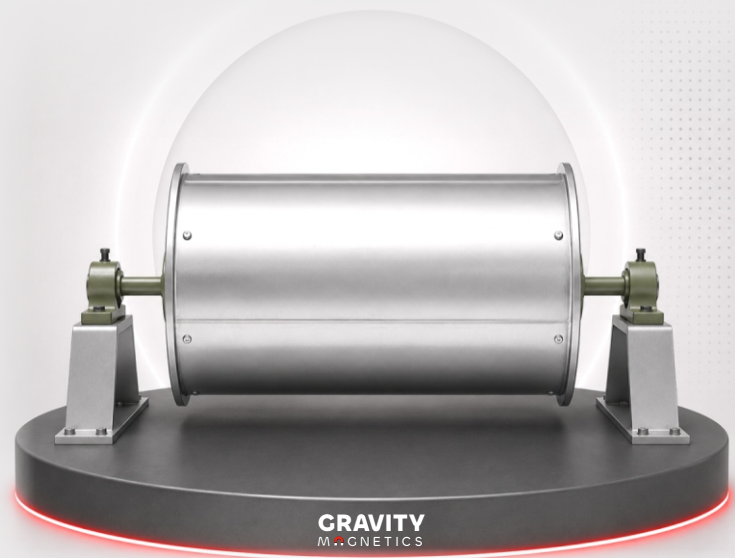
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- ✓ Heavy-duty grinding balls ensure efficient slag removal.
- ✓ Ideal for foundry, steel & metal recycling industries.
- ✓ Robust construction, low maintenance & continuous operation.

GM-15 //

MAGNETIC DRUM

KEY FEATURES //

- ✓ Hexagonal Drum designed for grinding, polishing & mixing.
- ✓ Separates slag from iron after magnetic separation.
- ✓ Delivers up to 99-100% pure metal recovery.
- ✓ Heavy-duty grinding balls ensure efficient slag removal.
- ✓ Ideal for foundry, steel & metal recycling industries.
- ✓ Robust construction, low maintenance & continuous operation.





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GM-16 //

SUSPENSION MAGNET

KEY FEATURES //

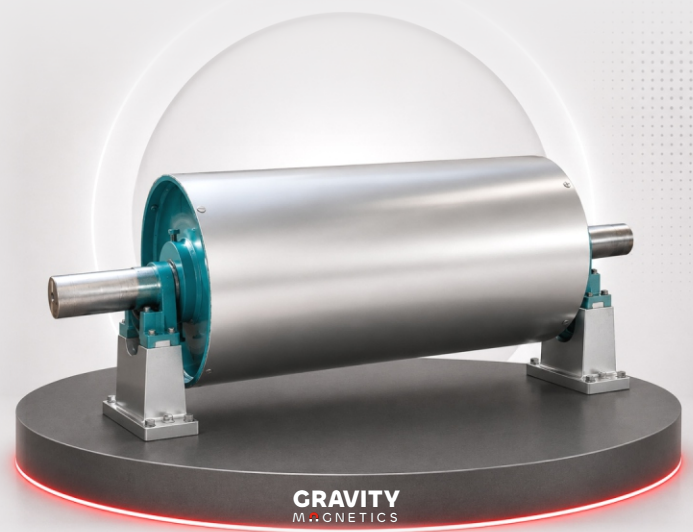
- ✓ Removes **ferrous tramp metal** directly from conveyor belts.
- ✓ Available in **Permanent Magnets**.
- ✓ **Manufactured Ferrite Magnets**.
- ✓ **Magnetic Strength:** Up to 2500 Gauss.
- ✓ Ideal for coal, glass, ceramics, recycling & crushing plants.
- ✓ **Easy installation, low maintenance & reliable operation.**
- ✓ **Manual & Easy-Clean** options available.

GM-17 //

MAGNETIC PULLEY

KEY FEATURES //

- ✓ Replaces the **conveyor drive pulley** for automatic iron removal.
- ✓ Efficiently removes **ferrous contaminants** from bulk materials.
- ✓ Available with **Ferrite & NdFeB Rare Earth Magnets**.
- ✓ No external power required (Permanent Magnet Model).
- ✓ Suitable for **cement, mining, crushing, steel & mineral industries**.
- ✓ **Heavy-duty, maintenance-free & continuous operation.**
- ✓ **Custom sizes** available to suit conveyor requirements.





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GM-18 //

GRILL/HOPPER MAGNET

KEY FEATURES //

- ✓ Removes **ferrous contaminants** from powders & granules.
- ✓ Available with **Rare Earth & Ferrite Magnets**.
- ✓ Ideal for **food, chemicals, plastics, ceramics & mineral industries**.
- ✓ **High-strength magnetic tubes** ensure efficient separation.
- ✓ **Easy to install, clean & maintain**.
- ✓ Available in **various sizes & custom designs**.



GM-19 //

DRAWER MAGNET

KEY FEATURES //

- ✓ Removes **fine ferrous contaminants** from powders & granules.
- ✓ **Multi-stage magnetic tube design** for maximum separation.
- ✓ Ideal for **food, chemicals, plastics, pharmaceuticals industries**.
- ✓ Protects **processing equipment**.
- ✓ Manufactured with **High-Intensity Rare Earth Magnets**.
- ✓ **Easy drawer-type cleaning** with low maintenance.
- ✓ Available in **Single & Multi-Stage configurations**.





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GM-20 //

PLATE MAGNET

KEY FEATURES //

- ✓ Removes tramp iron & ferrous contaminants from material flow.
- ✓ Ideal for chutes, conveyors, hoppers & feed trays.
- ✓ Protects processing equipment from metal damage.
- ✓ Suitable for food, plastics, grains, fertilizers, paper & minerals.
- ✓ High-strength Permanent Magnets with maintenance-free operation.
- ✓ Available in various sizes & custom designs.



GM-21 //

MAGNETIC ROD/TUBE

KEY FEATURES //

- ✓ Removes fine ferrous contaminants from powders, granules & liquids.
- ✓ Manufactured with High-Intensity Rare Earth NdFeB Magnets.
- ✓ SS 304/316 construction with hygienic, easy-clean design.
- ✓ Ideal for food, pharmaceuticals, chemicals, plastics & minerals.
- ✓ Available in various diameters, lengths & custom sizes.
- ✓ Maintenance-free, corrosion-resistant & long service life.





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GM-22 //

PIPE LINE MAGNET

KEY FEATURES //

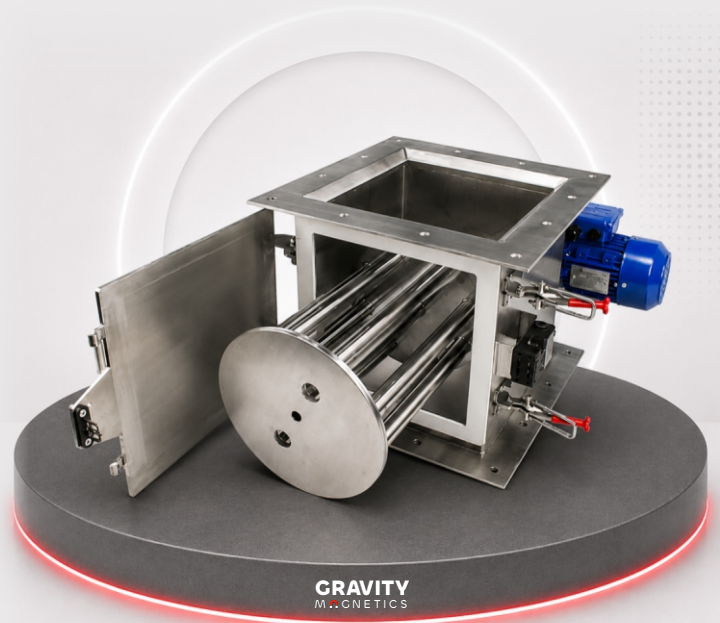
- ✓ Removes micron-size ferrous & paramagnetic contaminants from liquids.
- ✓ Equipped with High-Intensity Rare Earth NdFeB Magnets.
- ✓ Suitable for chocolate, syrups, oils, chemicals & pharmaceuticals.
- ✓ Available in Single Wall & Double Jacketed models.
- ✓ Stainless Steel construction with easy-clean design.
- ✓ High-pressure, leak-proof & low maintenance.

GM-23 //

ROTARY MAGNET SEPARATOR

KEY FEATURES //

- ✓ Removes fine ferrous contaminants from powders & granules.
- ✓ Rotating magnetic grid prevents material bridging & clogging.
- ✓ Equipped with High-Intensity Rare Earth NdFeB Magnets (Up to 10,500 Gauss).
- ✓ Ideal for food, chemicals, ceramics, minerals & pharmaceuticals.
- ✓ SS 304/316 construction with easy-clean design.
- ✓ Custom inlet/outlet sizes & operating temperatures available.





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GM-24 //

HUMP MAGNET

KEY FEATURES //

- ✓ Removes tramp iron & ferrous contaminants from gravity flow materials.
- ✓ Double Plate Magnet design for enhanced separation efficiency.
- ✓ Ideal for grains, fertilizers, food, salt & feed industries.
- ✓ Heavy-duty, dust-proof construction with easy-clean design.
- ✓ Available in Double & Multi-Stage configurations.
- ✓ Low maintenance & continuous operation.

GM-25 //

INDUSTRIAL MAGNETS

KEY FEATURES //

- ✓ Available in Rare Earth (NdFeB), Ferrite.
- ✓ Offered in Block, Disc, Ring, Rod, Tube, Bar, Capsule.
- ✓ Magnetic Slabs, Magnetic Blocks & Custom Profiles available.
- ✓ Multiple sizes, grades to suit every application.
- ✓ Ideal for holding, lifting, separation, sensing & automation.
- ✓ Custom dimensions & magnetization available on request.
- ✓ High magnetic strength, corrosion-resistant & long service life.





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GM-26 //

LIFTER MAGNET

KEY FEATURES //

- ✓ Powerful Permanent Lifting Magnets for safe material handling.
- ✓ Ideal for steel plates, pipes, bars, scrap & heavy metal components.
- ✓ Lifting Capacity: 100 kg to 5000 kg (custom capacities available).
- ✓ No power required (Permanent Type), heavy-duty, safe & low maintenance.

GM-27 //

MAGNETIC FLOOR SWEEPER

KEY FEATURES //

- ✓ Collects nails, screws, iron chips & ferrous scrap from floors and roads.
- ✓ Available in Push Type & Trailer Type models.
- ✓ Ideal for workshops, warehouses, parking areas & factories.
- ✓ Powerful Permanent Magnets with easy-clean release system.
- ✓ Suitable for paved & unpaved surfaces.
- ✓ Heavy-duty, maintenance-free & easy to operate.





GRAVITY
MAGNETICS

2026 COLLECTION

GRAVITY MAGNETICS

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