REMON ENGINEERING

INNOVATIVE INDUSTRIAL SOLUTIONS

CERTIFIED ISO 9001:2015 COMPANY

www.remonengineering.com

LEADERS IN
MANUFACTURING OF

MAGNETIC & VIBRATING PRODUCTS.

ABOUT US

Remon Engineering leader in manufacturing of Magnetic Products & Vibrating Screening Equipments. Since its inception, **Remon Engineering** has taken significant strides in the manufacturing of permanent magnetic equipment, electromagnetic equipment, and a wide range of magnetic and vibro solutions. With years of industry experience and expertise, we are committed to delivering functionality, innovation, and reliable services. As an ISO 9001:2015 Certified Company, **Remon Engineering** ensures that every product we manufacture adheres to the highest quality standards. Under the leadership of our founder, our company has built a strong reputation for excellence, precision, and customer satisfaction.

We are capable of manufacturing various magnetic equipments & vibrating equipments based on the requirement of the clients. We are having a group of skilled workers working for the timely accomplishment of projects undertaken without compromising on the quality. Our magnetic equipments have been successfully used in various industries.

Remon Engineering has been able to develop an impeccable reputation in Rajasthan owing to its policy of manufacturing under strictest international quality norms to give products that offer trouble free and user friendly operations and at the same time are economical and highly productive.

PRODUCT RANGE

Magnets	Magnetic Equipments	Vibrating Equipments	Efficient River Sand Washing Solutions	Innovative Drying Solutions

INFRASTRUCTURE

Located in the **industrial hub of Bhilwara.**

Equipped with the most refined **manpower and advanced machines.**

Delivering the **best technology and performance** in every product.

State-of-the-art machinery with highly competent manpower ensures **top-notch quality at all levels.**

Designed, Engineered, and Tested with high precision in-house under the supervision of skilled experts. Not just machinery parts, we also provide complete technical help and know-how to customers for smooth product integration.

OUR TECHNOLOGY

In order to meet the increasing global demand for magnetic and vibratory equipments, Remon Engineering has created a portfolio of technologies aimed at:

- 100% yield
- 100% efficiency (e.e. TM concepts)

We approach every challenge with a perfect blend of proprietary technologies and in-house engineering expertise.

For our customers, this means – Whatever the challenge, Remon Engineering provides the most economical and best solution.

BEST QUALITY PRODUCTS

Top-class quality products giving us a competitive edge.
Fully compliant with strict regulatory requirements of clients.

TOP QUALITY SERVICE

In today's complex and sensitive industry, we ensure total reliability.
Tailor-made products & complete turnkey solutions.
Close, long-term partnerships with fast response to every request.
Wide range of high-tech Magnetic Separators and Vibratory Equipments.
Backed by a team of experts and qualified engineers.

VALUE ADDED SERVICES

Having many successful & satisfied customers, we are proud of our reputation as a **leading manufacturer of magnetic and vibratory equipments** in the industry. Our unmatched commitment to customer service, deep understanding of customer needs, and launch of **innovative products** remain **unparalleled** in the magnetic & vibratory equipments industry.

We have an **experienced and skilled professional team** always available to our customers for fast and competent response.

Our Customized Services Include:

- 24x7 round-the-clock service.
- Dedicated & decentralized after-sales service.
- Spare parts and customer support.
- Annual maintenance contracts
- Customer training.

We add ***MORE VALUE*** to your business.
We serve our customers ***ON TIME, EVERY TIME.***
With our complete & customized solutions, ***OUR CUSTOMERS have MORE TIME to focus on their CORE BUSINESS.***

OUR BUSINESS

Management and Fast Customer - Focused Response

Remon Engineering is a rapidly growing enterprise, combining advanced R&D, experience, and business expertise to deliver quality machinery tailored to customer needs.

We follow an innovative and well-structured approach to problem-solving, blending creativity, timeliness, and quick response to new opportunities.

Your machinery requirements are carefully analyzed by our engineering team, and each approved project is handled by dedicated production engineers, ensuring the best quality and cost efficiency — today and for the future.

Remon Engineering Online Contacts for Inquiries

A standard practice is to keep clear and open communications with our customers for 100% satisfaction. Please visit us at ***www.remonengineering.com*** to submit your queries — we promise you a quick response.

OUR INDEX

GARNET MAGNETIC SEPARATOR

We are a trusted brand name in the industrial market as a leading manufacturer and supplier of **Garnet Magnetic Roller Separator** to our highly respected clients. These offered garnet magnetic roll separator is having a compact design and it is ideal for para magnetic particle, further weekly magnetic particles separation from non magnetic feed. These magnetic roll separators consist of two rolls, one of which is magnetic. The conveyor belt used between the two roller carry the ore into the magnetic field. Moreover the movement of the belt is controlled by a motor fixed to one of the rolls. The material to be processed is conveyed to the belt by vibrating feeder at a required rate. The rotational speed of rolls can be adjusted according to the material properties.

APPLICATION

- Natural Abrasive Garnet
- Sea Garnet
- Rock Garnet
- Used Garnet
- Iron Ore
- Copper Slag
- Alumina
- Magnesium Oxide

FEATURES

- High energy efficiency
- Hassle-free performance
- Easy to operate
- Longer functional life
- Electromagnetic induction
- Effective magnetic intensity
- High magnetic intensity
- Low energy consumption

CUSTOMIZED MODEL: RMN/Garnet/001

Available Sizes (Capacity): 1200 mm – 1.5 TPH, 1500 mm – 2 TPH,1800 mm – 3 TPH
Available Roll Configurations: 3 Roll, 4 Roll,5 Roll, 6 Roll, 7 Roll, 8 Roll, 9 Roll, 10 Roll

MAGNETIC ROLL SEPARATOR

We are a trusted brand name in the industrial market as a leading manufacturer and supplier of **Magnetic Roller Separator** to our highly respected clients. These offered magnetic roll separator is having a compact design and it is ideal for para magnetic particle, further weekly magnetic particles separation from non magnetic feed. These magnetic roll separators consist of two rolls, one of which is magnetic. The conveyor belt used between the two roller carry the ore into the magnetic field. Moreover the movement of the belt is controlled by a motor fixed to one of the rolls. The material to be processed is conveyed to the belt by vibrating feeder at a required rate. The rotational speed of rolls can be adjusted according to the material properties.

APPLICATION

- Mica Flex and Powder
- Silica sand
- Quartz
- Phelsphar
- Potash
- Cao
- Dolomite

FEATURES

- High energy efficiency
- Hassle-free performance
- Easy to operate
- Longer functional life
- Electromagnetic induction
- Effective magnetic intensity
- High magnetic intensity
- Low energy consumption

CUSTOMIZED MODEL:

Available Sizes (Capacity): 1200 mm – 1.5 TPH, 1500 mm – 2 TPH,1800 mm – 3 TPH
Available Roll Configurations: 3 Roll, 4 Roll,5 Roll, 6 Roll, 7 Roll, 8 Roll, 9 Roll, 10 Roll

MAGNETIC DESTONER

We **Remon Engineering** are one of the leading manufacturer and supplier of **Magnetic De-Stoner** across the globe.

Our high-intensity Magnetic De-Stoners are designed to efficiently remove impurities such as stones, metallic pieces, glass, mud balls, and other contaminants from grains, pulses, and cereals — ensuring 100% purity and accuracy. Built with a fully stainless steel body, closed design to prevent dusting, and equipped with a vibrating tray and PU/Kevlar/PTFE conveyor belt, the machine delivers superior magnetic performance and durability.

It is widely used for cleaning materials like wheat, rice, dal, maize, coffee, beans, and various seeds and cereals.

APPLICATION

- Wheat
- Rice
- Mustard
- Maize/Corn
- Tea
- Fennel Seeds
- Lentils
- Gram
- Carom seeds
- Cumin seeds

Size	OD		
900	100	150	200
1200	100	150	200
1500	100	150	200
1800	100	150	200
2100	100	150	200

DRUM MAGNETIC SEPARATOR

Drum Type Magnetic Separators automatically separate magnetic particles from raw materials. They are available in Single, Double, and Multi-Stage designs to achieve varying levels of magnetic separation and purity.

Single Drum Magnetic Separator:

- Suitable for medium and high-intensity magnetic separation.
- Removes iron contamination from minerals, chemicals, refractories, etc.
- Features high-power permanent magnetic plates at the outlet.
- Uses modern anisotropic permanent magnets for maximum magnetic strength.
  Optional vibrating inlet hopper and enclosed design to minimize dust and pollution.

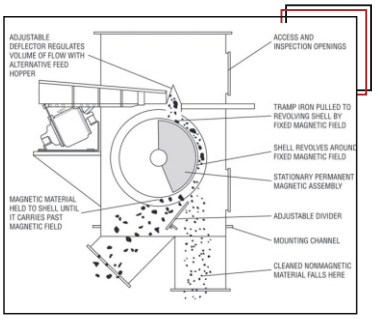
Double Drum Magnetic Separator:

- Ensures higher purity by passing material twice through a stationary permanent magnet enclosed in a non-magnetic stainless-steel drum for efficient ferrous separation.

OD	Length
300	300, 400, 500, 600
400	400, 500, 600, 800, 1000, 1200, 1500
500	500, 600, 800, 1000, 1200, 1500, 1800, 2000
600	500, 600, 800, 1000, 1200, 1500, 1800, 2000
800	600, 800, 1000, 1200, 1500, 1800, 2000
1000	800, 1000, 1200, 1500, 1800, 2000

Multi-Stage (Triple & Multi) Drum Separator:

- Designed for highest purity requirements.
- Material passes sequentially over multiple drums, removing iron particles in stages.



GARNET VIBRATING SCREEN

Garnet Vibrating Screen is a heavy-duty inclined vibrating screen, designed for efficient separation, grading, or dewatering of bulk materials such as Abrasives, Natural Abrasive, Garnet, Used Garnet, sand, coal, minerals, or industrial raw materials. The screen operates on the principle of vibration-induced particle movement, where material flows over the screen deck and separates according to particle size.

WORKING PRINCIPLE

- When the vibrator motor or eccentric shaft rotates, it produces a reciprocating vibration.
- This vibration causes the material on the screen surface to move in a tumbling and stratifying motion.
- Finer particles pass through the openings.
- Coarser particles move downward toward the discharge end.

APPLICATION

- Natural Abrasive Garnet
- Sea Garnet
- Rock Garnet
- Used Garnet
- Iron Ore
- Copper Slag
- Alumina
- Magnesium Oxide

FEATURES

- Heavy Duty Fabrication
- Efficient Screening Action
- Vibration Mechanism
- Superior Isolation System
- Easy Maintenance
- Customizable Design

GARNET GYRATORY SCREEN

Garnet Gyratory Screen / Swing Probable Screen is High-precision screening machine with gentle gyratory motion, ideal for garnet and fine materials.

WORKING PRINCIPLE

- The machine separates solid materials based on particle size using linear vibration.
- The machine has two vibration motors that create a back-and-forth linear motion.
- When the material is fed into the machine, it moves forward while being vibrated.
- It passes through multiple layers of screen meshes, each filtering particles of a specific size.
- The separated materials exit through different outlets in front.

APPLICATION

- Natural Abrasive Garnet
- River Sand
- Silica Sand
- Quartz Sand
- Crude Salt
- Dolomite
- Mineral Powder
- Dry mortar

FEATURES

- Fully enclosed rectangular design
- Linear vibration via dual motors
- MS or SS304/316 construction
- 1–5 screening layers
- Multiple discharge ports
- Coil or rubber spring damping
- Dust-proof top cover




REMON ENGINEERING

GARNET DEWATERING SCREEN

A **Dewatering Screen** is a type of vibrating screen specifically designed to remove water (moisture) from wet materials.It separates solids and liquids — mainly used after washing, hydrocycloning, or wet classification processes.

APPLICATION

- **Sand & Gravel Plants →** for washing and drying sand.
- **Mining →** for Garnet, Natural Abrasive, Silica Sand, iron ore, and mineral processing.
- **Construction Materials →** stone, silica sand, crushed rock.
- **Recycling →** to recover solids from wastewater or slurry.

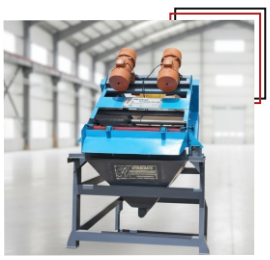
ADVANTAGES

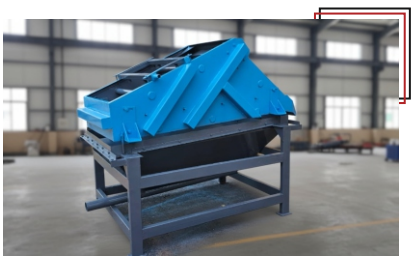
- Achieves high moisture reduction (up to 10–15% remaining water).
- Compact design with low noise and low power consumption.
- Reduces drying time and improves material handling.
- Durable, easy to maintain, and efficient in continuous operation.

See the Difference Our Dewatering Screen Makes

Feature	Before Washing	After Dewatering Screen
Water Content	25%	10–12%
Transport Ease	Low	High
Storage & Sale Ready	No	Yes

Transform Wet Sand into Market-Ready Sand





ROTARY SCREEN

A **Rotary Screen,** also known as as a **Trommel Screen**, is a mechanical screening machine consisting of a **cylindrical rotating drum** fitted with a **perforated plate or wire mesh surface**. The drum rotates at a controlled speed, allowing material to be continuously fed into it. As the drum turns, the material tumbles and moves forward along its length. Smaller particles pass through the perforations, while larger particles continue to travel to the end of the drum for discharge, effectively achieving **size-based separation.**

Rotary Screens are highly versatile and are extensively used for **screening, grading, and separating materials** based on particle size in various industries such as mineral processing, solid waste management, composting, sand and gravel, fertilizers, food processing, and chemical plants.

The machine offers **high efficiency, low maintenance, and continuous operation**, making it ideal for handling **bulk materials** and wet or sticky materials that may clog conventional screens.

APPLICATION

- Garnet
- River Sand
- Silica Sand
- Quartz Sand
- Mica Flakes
- Iron ore, Mining
- Construction Industry
- Recycling Industry

FEATURES

- High Screening Efficiency
- Robust Construction
- Low Maintenance
- Customizable Mesh Size
- Energy Efficient
- Dust-Free Operation
- Versatile Use: Suitable for both wet and dry screening processes.




TUMBLER SCREEN

The **Tumbler Screen**, also known as a **Circular Sieving Machine**, is designed for high-precision particle separation and impurity removal using a smooth, multi-plane rotary motion. This gentle tumbling action mimics hand sieving, ensuring minimal material degradation while achieving high efficiency and accuracy.

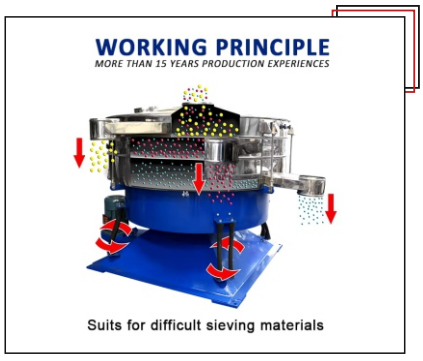
It is especially suited for screening fine, lightweight, or fragile materials where traditional vibration systems may fall short. The extended residence time of particles on the screen surface improves separation performance and throughput capacity.

APPLICATION

- Food Processing (flour, sugar, milk powder, spices
- Pharmaceuticals
- Chemical Industry
- Metallurgy
- Ceramics
- Mining

FEATURES

- **Multiple decks/screens —** allowing for multi-layer separation (different mesh sizes).
- **Vibrating motor —** mounted on the side or base, generating the oscillating motion.
- **Stainless steel construction —** for hygiene and corrosion resistance.
- **Tight sealing and clamps —** prevent material leakage and allow easy screen replacement.
- **Outlet ports —** for discharging separated materials.



VIBRO SCREEN FOR POWDER MESH

A **Vibro Screen** is a high-precision vibratory screening machine engineered to classify fine powders into specific particle size ranges using one or more mesh screens (sieve layers).

Powered by vibratory motion, it efficiently separates materials based on size, ensuring a consistent and uniform particle distribution. The gentle yet effective screening process preserves product quality while removing lumps, oversized particles, or foreign impurities.

Designed for continuous operation, the Vibro Screen delivers superior screening accuracy, minimal maintenance, and optimal performance across a wide range of powder-based applications.

APPLICATION

- Food Powders
- Chemical Powders
- Metal Powders
- Garnet
- Natural Abrasive Garnet
- Sea Garnet
- Calcium Carbonate
- Silica

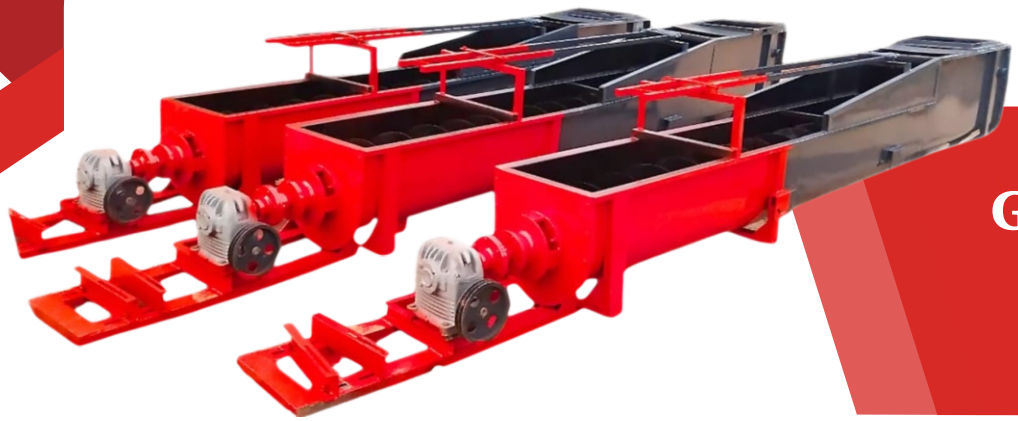
ADVANTAGES

- High Screening Efficiency
- Improved Product Quality
- Gentle Material Handling
- Versatile Operation
- Quick Screen Changeover
- Dust-Free Design
- Energy Efficient
- Compact & Durable

FEATURES

- **Ultrasonic Mesh Cleaning System –** Prevents screen blinding for fine powders (<100 µm)
- **Dust-Proof & Sealed Design –** Prevents powder leakage, ensuring a clean operation
- **Quick-Release Clamp System –** Allows easy and fast screen changeover
- **Multi-Deck Configuration –** Enables 2–4 particle size separations in a single pass



GARNET SCREW CLASSIFIER

The **Garnet Screw Classifier / Sand Spiral Screw,** also known as a **Sand Classifier, Spiral Classifier, or Sand Screw Washer,** is an efficient equipment used in mining, quarrying, and aggregate processing industries. It is primarily designed to separate, wash, and classify sand or fine particles from water or slurry mixtures, ensuring high-quality, clean sand output.

WORKING PRINCIPLE

- **Feed-** The slurry—a mixture of sand, silt, clay, and water—is fed into the tank.
- **Settling-**Due to gravity, heavier particles like sand settle at the bottom of the tank.
- **Spiral Action-** A rotating screw or spiral blade slowly moves the settled sand upward along the inclined trough, while lighter silt and clay remain suspended and flow out with the water.
- **Discharge-** Clean, dewatered sand is discharged from the top, and the wastewater carrying fine impurities overflows at the opposite end.

APPLICATION

- Sand and gravel washing plants
- Mineral ore separation
- Particle size classification
- Dewatering operations prior to further processing

Main Components

- Tank or Trough
- Spiral Screw (Helix)
- Gearbox and Motor
- Overflow Weir
- Underflow Discharge

Feature	Typical Range
Screw Diameter	18"–72"(450–1800mm)
Length	20–40ft(6–12m)
Capacity	10–300TPH
Slope	10°–18°
Power	5–30HP

Advantages: Simple, robust design ensures efficient sand washing and classification with low operating and maintenance costs. Offers longer service life compared to hydrocyclones.




REMON ENGINEERING

CONVEYOR BELT SYSTEM

The **Natural Abrasive Garnet and Sand Conveyor Belt System** is an advanced material-handling solution designed for the efficient transportation of loose materials such as sand, gravel, and minerals. It plays a vital role in modern sand and gravel production lines, often working in conjunction with **vibrating feeders, crushers, and sand screening machines** to create a seamless and fully automated process. Engineered for high efficiency, durability, and reliability, this system ensures continuous conveying performance even in demanding industrial environments.

Technical Specifications:

- Belt Width: 400 – 1000 mm
- Conveying Length: 10 – 15 meters
- Belt Material: Polyester, Cotton, Nylon, Steel Cord
- Conveying Capacity: 70 – 300 m³/h
- Conveying Speed: 1.25 – 2.0 m/s

APPLICATION

- Garnet conveying
- Quartz sand handling
- Fracturing sand transport
- Pebbles & river pebbles
- Limestone & marble
- Basalt & calcium carbonate
- Crushed stone movement
- Machine-made sand plant
- Sand & gravel production
- Quarry operations
- Construction material handling

FEATURES

- Motor-driven roller ensures smooth operation.
- High-strength, wear-resistant belt for durability.
- Heavy-duty rollers support and guide material flow.
- Reliable motor and reducer system for steady power.
- Efficient discharge unit for controlled unloading.
- Low maintenance and energy-efficient design.

Feeding Conveyor

UHR TYPE

FEEDING HOPPER

A **Feed Hopper** is a robust steel structure designed to **store, regulate, and discharge bulk materials** through gravity flow. Its primary role is to ensure a consistent material feed to downstream equipment such as crushers, conveyors, or mixers. Built for efficiency and durability, it is widely used across industrial, agricultural, and construction operations.

APPLICATION

- Grain, seed & feed handling
- Sand, cement & aggregate feeding
- Plastic granules & powder storage
- Chemical & fertilizer batching
- Crusher & mixer feeding
- Bagging & weighing machines
- Mining & quarry operations
- Food & beverage material feed
- Cement plant handling
- Foundry sand feeding
- Recycling units
- Power plant fuel/ash feed

ADVANTAGES

- Uniform material flow
- Reduces labor & spillage
- Compact & durable design
- Corrosion-resistant body
- Easy installation & maintenance
- Boosts process efficiency

FEATURES

- **Sturdy Steel Construction –** Made from high-quality mild steel for long-lasting strength and performance.
- **Protective Coating –** Painted or powder-coated surface to resist corrosion and harsh environments.
- **Rectangular Top & Conical Bottom –** Ensures smooth, uninterrupted discharge of material.
- **Cross-Braced Frame –** Provides superior structural stability and vibration resistance.
- **Dust & Moisture Protection –** Equipped with a top cover to prevent contamination.
- **Versatile Discharge Options –** Compatible with valves, screw feeders, or conveyor systems.

BUCKET ELEVATOR PACK BODY

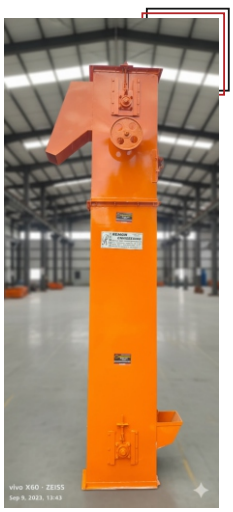
The **Bucket Elevator Conveyor** is a vertical feeder that uses a conveyor belt system combined with gravity-assisted unloading. It efficiently transports a wide range of bulk, granular, and block materials, including garnet, sand, abrasives, grains, feed, coal, and iron ore. The elevator's lifting height ranges from 12 ft to 25 ft (customizable up to 40m), with a conveying capacity of 2–10 tons per hour.

FEATURES

- Large conveying capacity with stable and reliable operation.
- Advanced design and processing; trouble-free operation >20,000 hours.
- Conveying capacity: 10–830 m^3/h; lifting height up to 50 m.
- Single and double-channel machine casing options.
- Automatic tensioning via weight box; replaceable sprocket wheel rim.
- Suitable for low-density (<1.5 t/m^3), low-abrasive materials.
- Material temperature limit: ≤250°C; good sealing, low environmental pollution.

APPLICATION

- Chemicals
- Pharmaceuticals
- Foods
- Kiln Industry
- Mining
- Metallurgy



SCREW CONVEYOR

A **Screw Conveyor**, also known as an **Auger Conveyor**, is a versatile mechanical device used for the controlled and efficient movement of bulk materials. It consists of a rotating helical screw blade housed inside a U-shaped trough or tubular casing, which pushes material along the conveyor path when in motion. Screw conveyors are ideal for handling dry, semi-fluid, or granular materials such as **cement, grains, powders, coal, sand, and chemicals.**

With simple construction, compact design, and high reliability, they are widely used in **cement plants, food processing units, chemical industries, construction sites, and waste management systems.**

Technical Specifications:

Feature	Typical Range	Description
Model	SC-150 / SC-200 / SC-250 / SC-300	Based on screw diameter (in mm)
Capacity	2 – 150 TPH	Depends on screw size, pitch, and speed
Conveyor Length	1 – 30 meters	Can be horizontal or inclined
Screw Diameter	100 – 600 mm	Varies according to capacity
Screw Pitch	Equal to or 1.5× the diameter	Determines conveying volume
Screw Speed	50 – 150 RPM	Adjustable with drive
Drive Type	Geared Motor / Chain Drive	Motorized power transmission
Motor Power	1 – 20 HP	Depends on length and load
Trough Type	U-Shaped / Tubular	Material type (dusty or granular)
Material of Construction	Mild Steel (MS) / SS (SS304/316)	Based on application
Flight Type	Continuous / Ribbon / Cut Flight	Chosen as per material characteristics
Bearing Type	End and Intermediate Bearings	For smooth rotation and support
Cover	Dust-proof / Open-top	Optional based on process
Inclination Angle	0° – 45°	For inclined conveying applications
Finish	Painted / Epoxy Coated / Polished (SS)	Depends on industry type

VIBRATING FEEDER

Remon Engineering's **Vibrating Feeders** are robust and precision-engineered machines designed to handle bulk material feeding applications in heavy-duty industries such as stone crushing, mining, coal handling, and cement production. These feeders ensure a smooth, continuous, and controlled flow of material into crushers, screens, or conveyors. Built with a strong mechanical eccentric shaft drive and durable tray construction, they are capable of performing under the most demanding operating conditions.

APPLICATION

- Stone Crushing Plants
- Coal & Cement Industries
- Mining & Quarrying Operations
- Material Handling Systems

Technical Specifications:

Feature	Typical Range
Models	VF-1000 / VF-1200 / VF-1500
Capacity	80 – 500 TPH
Maximum Feed Size	300 – 800 mm
Tray Dimensions	Width:1000–1500mm | Length:3000–4500mm
Vibration Mechanism	Mechanical (Eccentric Shaft)
Vibration Frequency	800 – 1200 RPM
Drive Motor Power	7.5 – 15 HP (5.5 – 11 kW)
Drive System	Single / Twin Drive
Springs	4 – 8 Nos., Coil Type
Mounting Type	Base Mounted
Liner Options	Manganese Steel / Rubber
Material of Construction	Mild Steel (MS) / Structural Steel
Feed Control	Adjustable Amplitude / Motor Speed
Finish / Coating	Industrial Enamel / Epoxy Paint

VIBRATING SCREEN (GITTI CRUSHER)

A **Vibrating Screen (Gitti Crusher)** is a mechanical equipment used for separating materials of different sizes in stone crushing and aggregate plants.
It works on the principle of vibration — using eccentric weights or motors to create a continuous back-and-forth motion that efficiently segregates crushed stones, gravel, sand, and other aggregates.
The vibrating screen ensures uniform material grading, improved crushing efficiency, and higher output quality in construction and mining operations.

APPLICATION

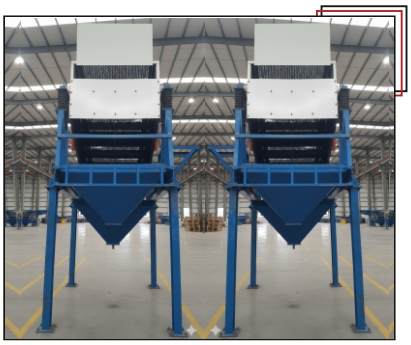
- Stone Crushing Plants (Gitti Production)
- Mining and Quarrying
- Sand and Gravel Screening
- Construction Material Separation
- Coal and Mineral Processing
- Cement and Aggregate Plants

FEATURES

- Heavy-Duty Design
- High Screening Efficiency
- Adjustable Vibration
- Durable Motor Performance
- Easy Mesh Change
- Multi-Deck Options
- Low Noise Operation
- Energy Efficient

ADVANTAGES

- Ensures Uniform Material Grading.
- Increases Production Efficiency.
- Improves Final Product Quality.
- Cost-Effective and Durable Solution.
- Long Service Life with Minimal Maintenance
- Suitable for Wet and Dry Screening Applications.



REMON ENGINEERING

JAW CRUSHER

A **Jaw Crusher** is a type of crushing machine widely used in mining, construction, and aggregate industries to break down large rocks or ores into smaller, more manageable pieces. Known for its simplicity, durability, and efficiency, it remains one of the most dependable primary crushers.

APPLICATION

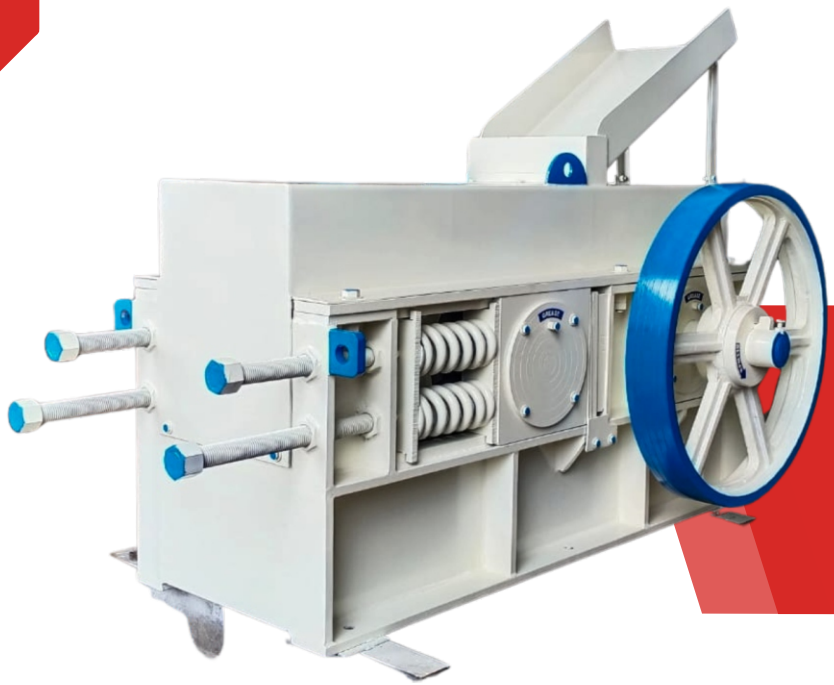
- **Mining**– Primary crushing of ores
- **Construction**–Stone crushing for concrete and road materials
- **Recycling**– Crushing of old building materials
- **Metallurgy & Chemical**–Size reduction of raw materials

ADVANTAGES

- Simple structure and easy maintenance
- High crushing ratio
- Reliable and durable operation
- Suitable for hard materials (granite, basalt, etc.)

FEATURES

- **Simple Structure –** Easy to operate and maintain.
- **High Crushing Ratio –** Efficient size reduction.
- **Durable Construction –** Long-lasting and robust.
- **Adjustable Discharge –** Control over final product size.
- **Handles Hard Materials –** Suitable for granite, basalt, and ores.
- **Stable & Reliable Performance –** Consistent operation with low cost.



ROLLER CRUSHER

A **Roller Crusher** is a compression-type crusher that breaks materials by squeezing them between two rotating rollers.
It is widely used for crushing medium to hard materials such as minerals, rocks, ores, coal, and aggregates.
The uniform gap between the rollers ensures controlled particle size output, making it ideal for fine and secondary crushing operations in various industries.

APPLICATION

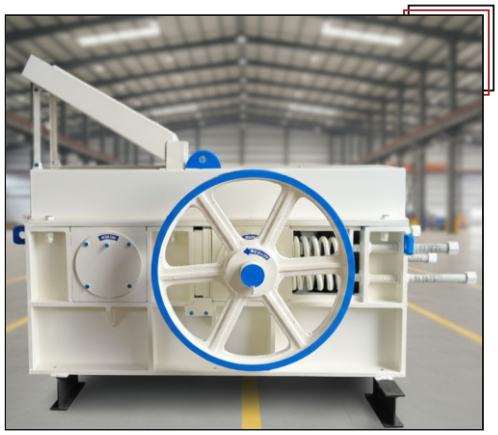
- Mining and Mineral Processing
- Cement and Ceramic Industries
- Coal Handling Plants
- Stone and Aggregate Crushing
- Chemical and Fertilizer Plants
- Metallurgical Operations

FEATURES

- Compact Design
- Heavy-Duty Rollers
- Adjustable Output Gap
- Uniform Crushing
- Low Noise & Dust
- Easy Maintenance

ADVANTAGES

- Produces Uniform Particle Size.
- Reduces Over-Crushing and Material Waste.
- Low Operating and Maintenance Costs.
- High Efficiency with Smooth Operation.
- Reliable Performance in Continuous Use.
- Long Service Life of Rollers.



GARNET MINI ROLLER CRUSHER

MAGNETIC PULLEY

A **Magnetic Pulley** is a type of magnetic separator installed at the discharge end of a conveyor belt. It continuously separates ferrous (iron-containing) contaminants from the material stream, ensuring cleaner product output and protection for downstream equipment. The system operates automatically, requiring minimal maintenance.

APPLICATION

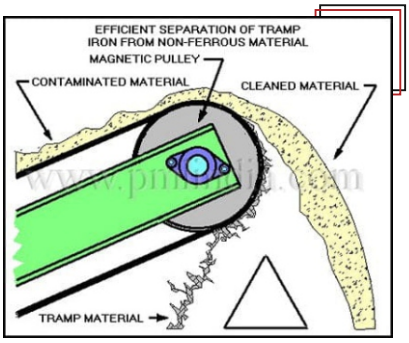
- Mining and Quarrying
- Cement and Aggregate Plants
- Recycling Industries
- Coal Handling Systems
- Food and Plastic Processing

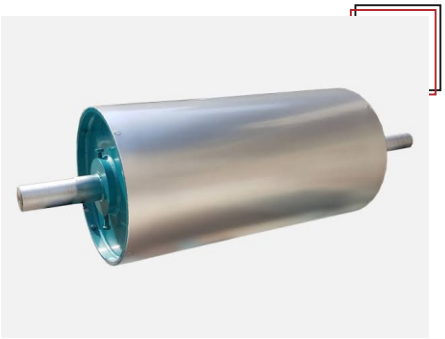
ADVANTAGES

- Ensures metal-free material output.
- Protects downstream equipment from damage.
- Improves product quality and purity.
- Reduces downtime and maintenance costs.
- Enhances overall plant efficiency.

Technical Specifications:

- Diameter: 200 mm – 1200 mm
- Width: 300 mm – 2000 mm
- Magnetic Intensity: Up to 12,000 Gauss
- Material: SS 304 / SS 316 drum with MS shaft





OVER BAND MAGNETIC SEPARATOR

An **Overband Magnetic Separator** is a powerful and efficient solution designed to automatically remove ferrous metal contaminants from non-magnetic bulk materials moving on a conveyor belt. The unit is suspended above the conveyor and uses a strong electromagnetic or permanent magnet field to attract and lift unwanted iron particles.

These trapped metals are then carried away by a self-cleaning rubber belt, ensuring continuous operation without interruption.

It is widely used to protect crushers, shredders, and other processing equipment from damage caused by tramp iron.

APPLICATION

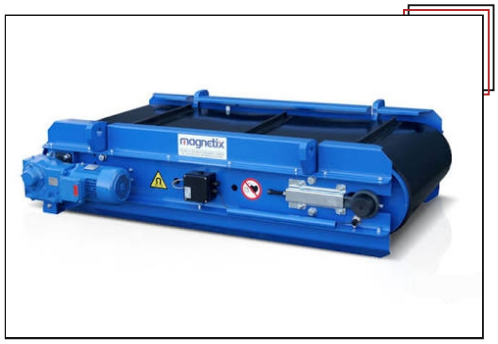
- Recycling Industry
- Mining & Quarrying
- Cement Plants
- Power Plants
- Aggregate and Construction Material Processing
- Food, Chemical, and Fertilizer Industries

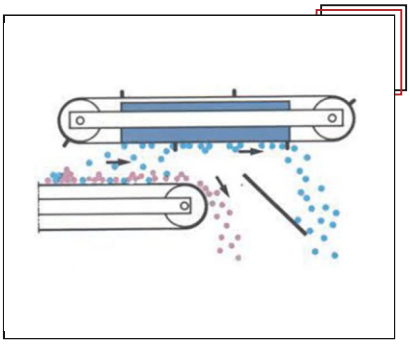
FEATURES

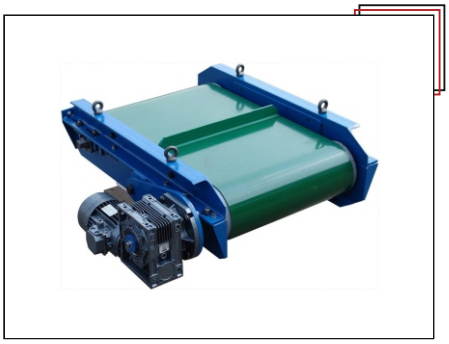
- Automatic Operation
- High Magnetic Strength
- Rugged Construction
- Adjustable Suspension
- Low Maintenance
- Energy Efficient (Permanent Type)

ADVANTAGES

- Ensures continuous and automatic metal separation.
- Improves product purity and quality.
- Reduces downtime and maintenance costs.
- Increases overall plant efficiency.
- Easy to install and operate
- Long-lasting and durable performance

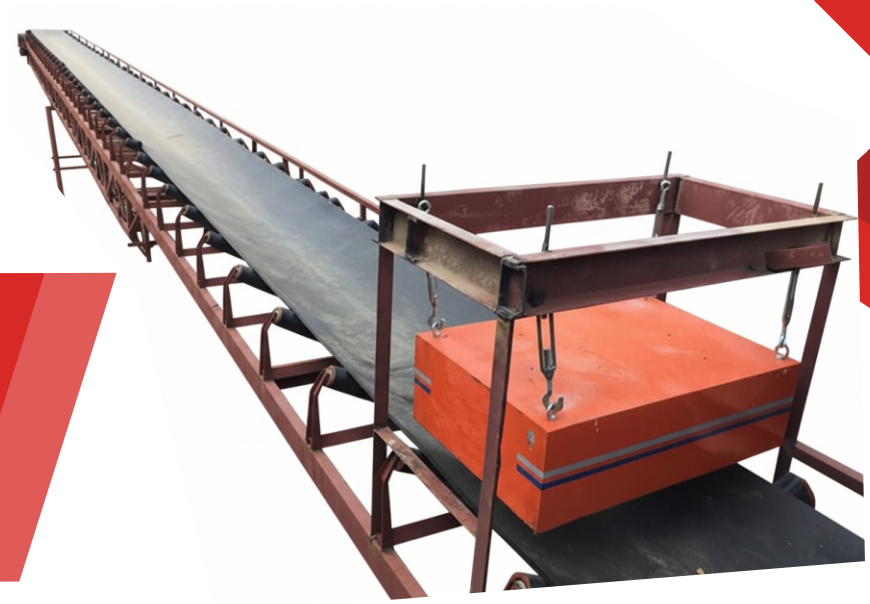






REMON ENGINEERING

SUSPENSION MAGNET



A **Suspension Magnet** is a reliable and efficient magnetic separator designed to extract ferrous contaminants from product streams on conveyor belts.
Suspended above the material flow, it continuously attracts and captures unwanted metal particles such as bolts, nails, and iron scraps.
This prevents equipment damage, ensures product purity, and maintains smooth plant operations. Available in both permanent and electromagnetic models, suspension magnets are widely used across industries for their **durability, low maintenance, and high separation efficiency.**

APPLICATION

- Mining and Aggregate
- Recycling and Waste Management
- Food Processing
- Plastics and Rubber
- Cement and Construction

FEATURES

- Powerful Magnetic Field
- Heavy-Duty Construction
- Adjustable Suspension Height
- Low Maintenance Design
- Available in Permanent & Electromagnetic Types
- Optional Self-Cleaning System

ADVANTAGES

- Protects Equipment
- Improves Product Quality
- Reduces Downtime
- Energy Efficient Operation
- Versatile Application
- Enhances Safety

REMON ENGINEERING

PLATE MAGNET

A **Plate Magnet** is a type of permanent magnetic separator designed to capture and remove ferrous (iron-based) contaminants from free-flowing materials such as grains, powders, food products, plastics, and minerals. Installed over or under material flow lines—like chutes, ducts, spouts, or conveyor belts—it effectively attracts tramp metals such as bolts, nuts, nails, and wire pieces.

Built in various sizes and magnetic strengths, Plate Magnets provide dependable protection to processing machinery and ensure contamination-free final products across diverse industries.

APPLICATION

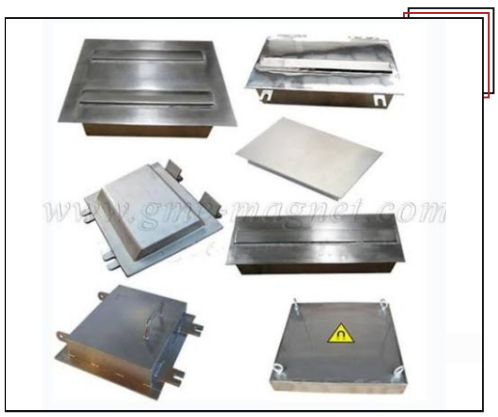
- Food and Grain Industries
- Chemical and Plastic Processing
- Ceramic and Mineral Industries
- Recycling Plants
- Cement and Coal Handling Plants

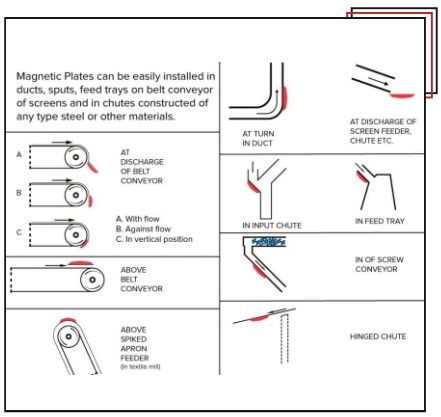
FEATURES

- High Magnetic Strength
- Robust Construction
- Easy Installation
- Low Maintenance
- Customizable Design
- Optional Easy-Clean Type

ADVANTAGES

- Protects Processing Equipment
- Ensures Product Purity
- Reduces Downtime
- Cost-Effective Solution
- Versatile Application
- Enhances Operational Safety





GRILL MAGNET

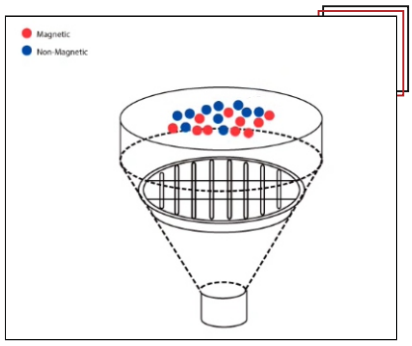
A **Magnetic Grill** is a high-intensity magnetic separator designed to remove ferrous metal contaminants from free-flowing materials. Constructed using high-grade stainless steel, it generates a strong and high-gradient magnetic field that efficiently captures even fine iron particles.
Available in square, round, and rectangular shapes, it can be installed in or below hoppers, catch bins, floor openings, or other processing points to protect machinery and ensure product purity. Magnetic grills are ideal for applications requiring a high level of contamination control.

APPLICATION

- Ceramic Industries or Powder
- Mineral Industries
- Pigments and Dyes
- Alpha and Beta Blue
- Guar Gum
- Wheat Flour
- Intermediate Products
- Quartz Powder
- Emulsifier
- Limestone Powder
- Glass Plant
- Tile Plant
- Chemical Plants
- Plastic Granules and Plastic Grinder
- Packaging Machines
- All Types of Spices, Grains & Pulses

Technical Specifications:

- Compact Design
- Customized Design Options
- Resistance Against Abrasion
- Magnetic Intensity Up to 11,000 Gauss
- Available in SS 310 / SS 316 Frame Construction



PIPE LINE MAGNETIC SEPARATOR

A Pipeline Magnetic Separator is designed to remove ferrous metal contaminants from **liquids, slurries, and free-flowing powders or granules** moving through a pipeline.
It ensures product purity and protects downstream equipment such as pumps, valves, and filters frm potential damage caused by metal particles.
These separators are built with powerful rare earth magnets and can be customized to suit specific pipeline dimensions and flow requirements.

APPLICATION

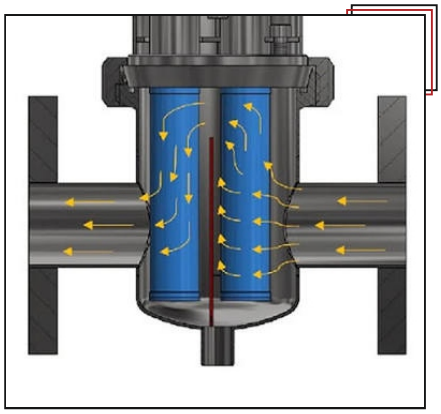
- Food Processing Industry
- Plastic Industry
- Chemical Industry
- Glass Industry
- Oil Industry

FEATURES

- Easy Installation
- Simple Cleaning
- Easy-Clean & Water-Jacketed Options
- High Magnetic Strength
- Custom Dimensions
- No Pressure Reduction
- Stainless Steel Protection

ADVANTAGES

- Equipment Protection
- Product Purity
- Reduced Maintenance
- Higher Process Efficiency
- Continuous Operation
- Long Service Life
- Energy Efficient



REMON ENGINEERING

DRAWER MAGNET

A **Drawer Magnetic Separator** (also known as a Drawer Magnet or Grate-in-Housing) is designed to remove ferrous metal contaminants from dry, free-flowing materials.
Installed in hoppers, chutes, or pipelines, it uses multiple rows of powerful magnetic rods arranged in drawers to capture and hold metal particles such as screws, nails, rust, and fine iron dust.
The material flows through the separator by gravity in a zig-zag pattern, ensuring maximum exposure to the magnetic field. These separators are essential for protecting processing equipment and maintaining product quality in sensitive production lines.

APPLICATION

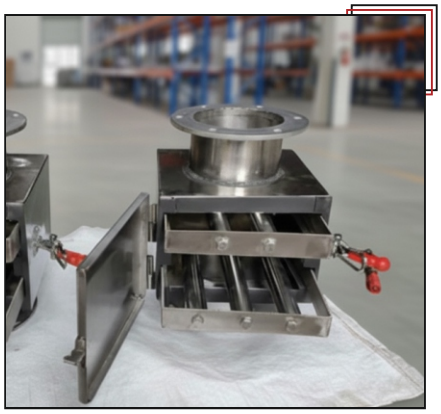
- Plastic Industry
- Food Processing Industry
- Chemical Industry
- Pharmaceutical Industry
- Mineral Industry

FEATURES

- High-Intensity Magnetic Rods
- Multi-Stage Drawer Design
- Durable Stainless-Steel Construction
- Easy Installation
- Custom Sizes & Strengths
- Consistent Product Purity

ADVANTAGES

- Protects Processing Equipment
- Ensures Product Purity
- Efficient Removal of Ferrous
- Contaminants
- Easy to Clean and Maintain
- Long Service Life



CHANNEL MAGNET

A **Channel Magnet** (also known as a Magnetic Trap or Magnetic Channel Bar) is a compact and efficient magnetic separator used to remove ferrous metal contaminants from free-flowing materials on conveyors, chutes, or hoppers.

It features a powerful magnetic core enclosed within a steel channel frame, which directs and concentrates the magnetic field for maximum separation efficiency.

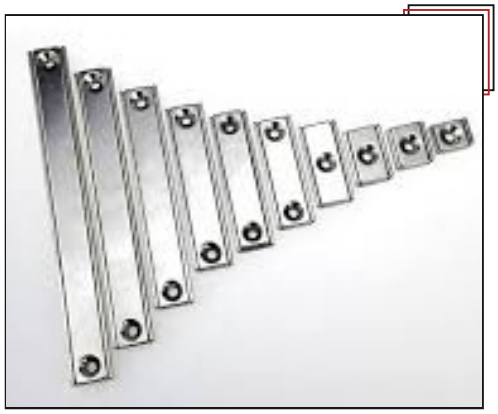
Channel magnets are ideal for protecting equipment and ensuring clean, metal-free products in continuous material handling processes.

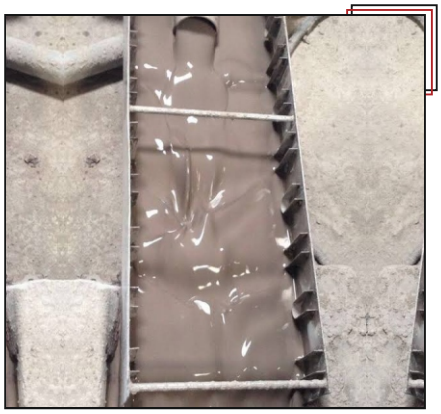
APPLICATION

- Food Processing Industries
- Plastic Granules and Polymer Plants
- Chemical and Pharmaceutical Industries
- Grain, Flour, and Feed Mills
- Mineral and Ceramic Industries

FEATURES

- Powerful Magnetic Field for Effective Metal Separation
- Compact and Sturdy Steel Channel Construction
- Easy Installation on Conveyors, Chutes, or Hoppers
- Simple Manual Cleaning Process
- High Durability and Corrosion Resistance
- Available in Various Sizes and Magnetic Strengths
- Low Maintenance and Long Service Life





OTHER PRODUCTS

Vibrator Motor

Flange Motor

Foot Motor

PU/PVC Belt

SS 304 / 316 Net

Sample Test Sieve

Rubber Ball

PU Mesh

Rubber Damper

Spring

Gear

PU Spray