

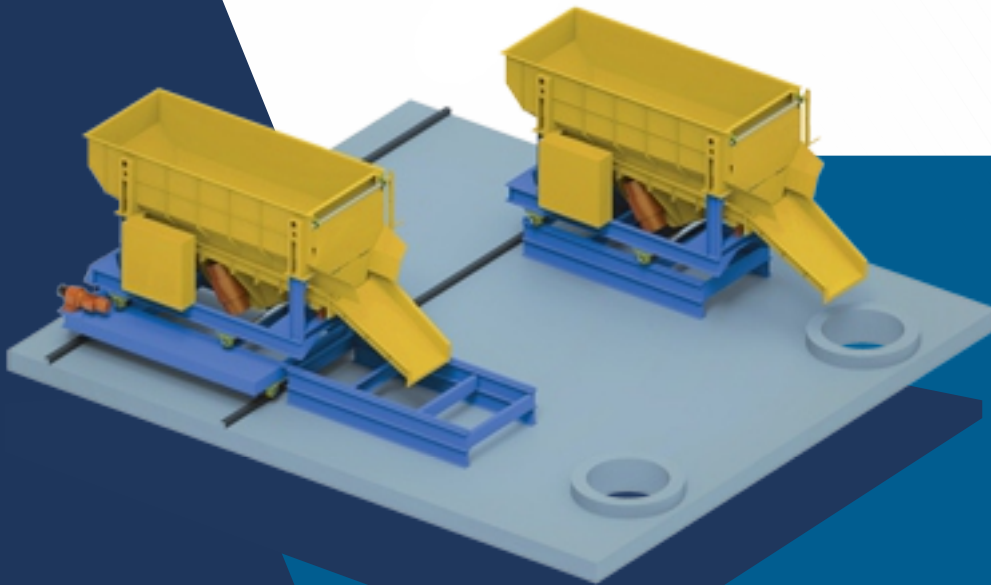
INDIA POWERMELT

Steel Industrial Equipment's Manufacturer



INDIA POWERMELT

STEEL INDUSTRIAL EQUIPMENT'S MANUFACTURER



About Us

Welcome to **India Powermelt Pvt Ltd**
your one stop solution for your water
treatment and bulk material handling woes
across industries. We are dedicated to offer
you the best solution with a focus on Quality
Product, Timely Delivery and After Sales
Support.



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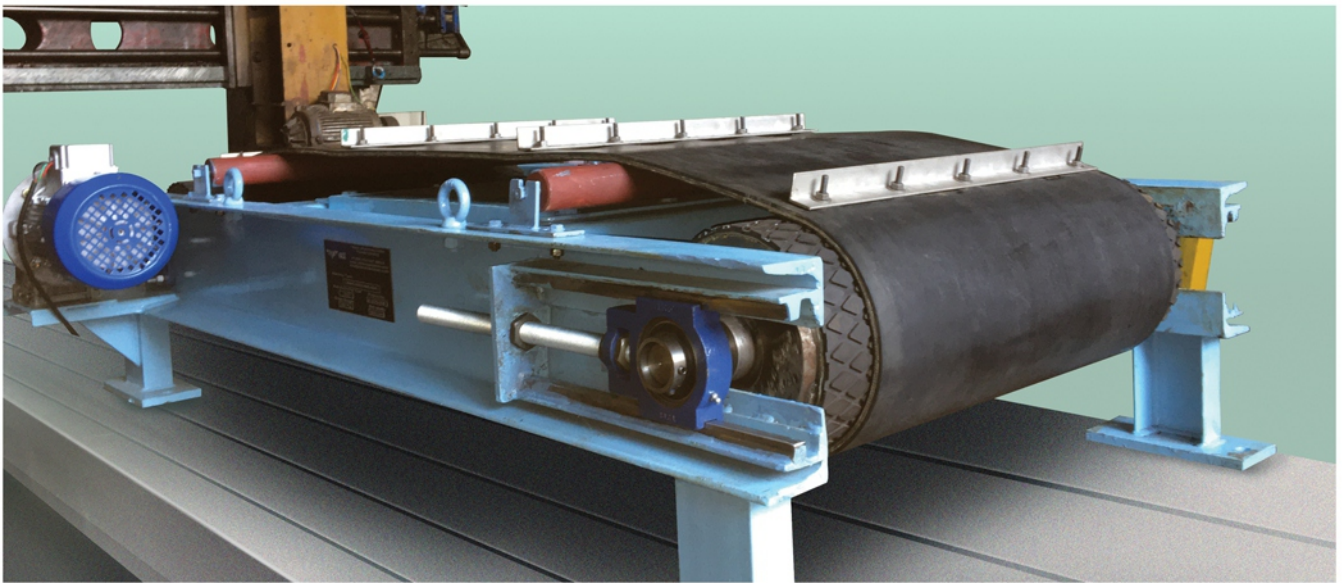
Industries we cater to:

- ✓ Foundry
- ✓ Steel Plants
- ✓ Electronics
- ✓ Mining
- ✓ Food
- ✓ Beverages
- ✓ Pharmaceuticals
- ✓ Construction
- ✓ Coal
- ✓ Cement...etc

Based in Mathura Uttar Pradesh we are a dedicated team with experience in similar industries which helps in understanding and offering innovative solutions to the challenges faced by the customer.

Over Band Magnetic Separator

IPM Overband Magnetic Separators are used to separate ferrous impurities from any kind of bulk material. They are used to recover magnetic particles from variety of bulk materials to protect sensitive equipment down the line and prevent contamination of the parent material.



Tech Specs:

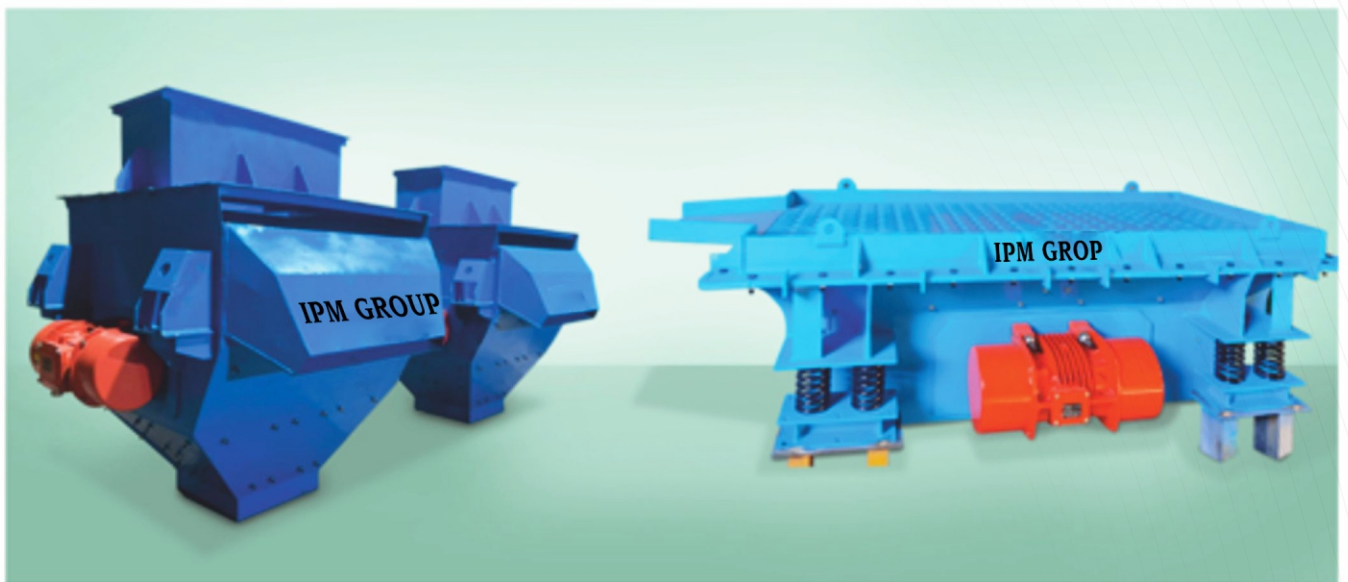
- Magnetic Material: Barium Ferrite or Neodymium
- Belt Widths: 200 mm to 2000 mm
- Belt arrangement: Inline/ Crossbelt

Applications:

- Foundry
- Sand and Gravel
- Cement
- Coal
- Food & Feed
- Chemical
- Mining

✓ Vibrating Screening Machine

Linear screening machines are conveying and segregating machines using unbalanced vibration motors. Screening machines can be used to segregate various grades of material at the same time thus saving a lot of time. These machines are compact and built for high wear resistance taking into consideration the continuous operation of the equipment.



Tech Specs:

- Capacity : Up to 80T/hr
- Machine Sizes: 1300 x 6000 max

Applications:

- Mining Industry
- Chemical Industry
- Raw material handling
- Construction
- Foundry

✓ Vibratory Trough Conveyor

Vibratory conveyors are widely used due to its simple design and ruggedness in many industries and applications. They are used to transport various materials over shorter distances. The various applications range from bulk material conveying of food grains, cement, gravel, sand, etc. These conveyors can be custom built (Material of Construction, Capacity) as per requirement to meet the challenges at site.



Tech Specs:

- Capacity: Up to 500T/hr
- Conveying Material: Fine grain material to solid
- Trough Sizes: 2500 x 6000 max

Applications:

- Foundry Sand
- Animal Feed
- Castings
- Forging Parts
- Auto Parts
- Assembly Lines
- Slag Conveying
- Food Grains
- Pharma

✓ Vibratory Charging Machines

Charging machines are designed to charge induction furnaces. These machines are mounted on rails and travel in longitudinal and transverse direction or in combined directions. With transverse and combination travel multiple furnaces can be charged with a single charger. Charger consists of a vibrating trough to convey the scrap and a bunker to store the scrap. The machine has a rugged construction with wear resistant wear plates with a modular design.



Tech Specs:

- Volumetric Capacity : 1m^3 to 20m^3
- Throughput: up to 120T/hr
- Max tonnage : 20T

Applications:

- Foundries
- Steel plants



✓ Charging Buckets and Storage Systems



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Buckets and Hydraulic bunkers are constructed for temporary storage and conveyance of dry bulk material. When integrated with charging machines and vibratory conveyors the transfer of material is much more efficient. Generally the capacity of these machines ranges from 5T to 20T.

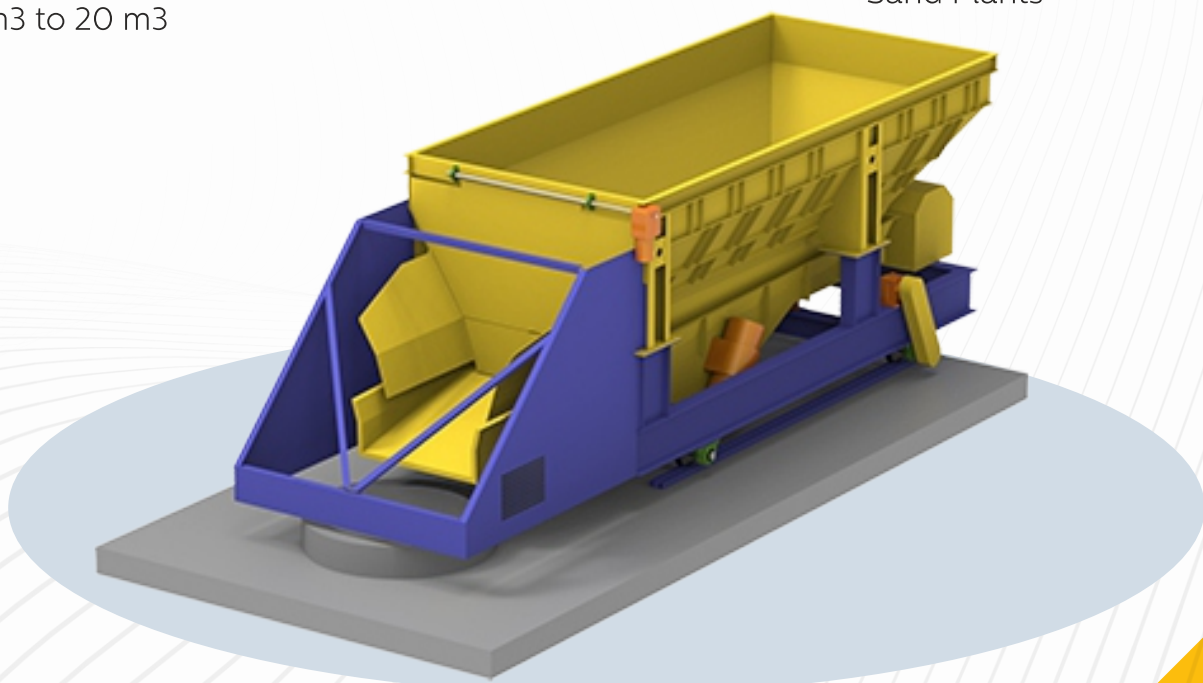


Tech Specs:

- Scrap holding capacities
5m³ to 20 m³

Applications:

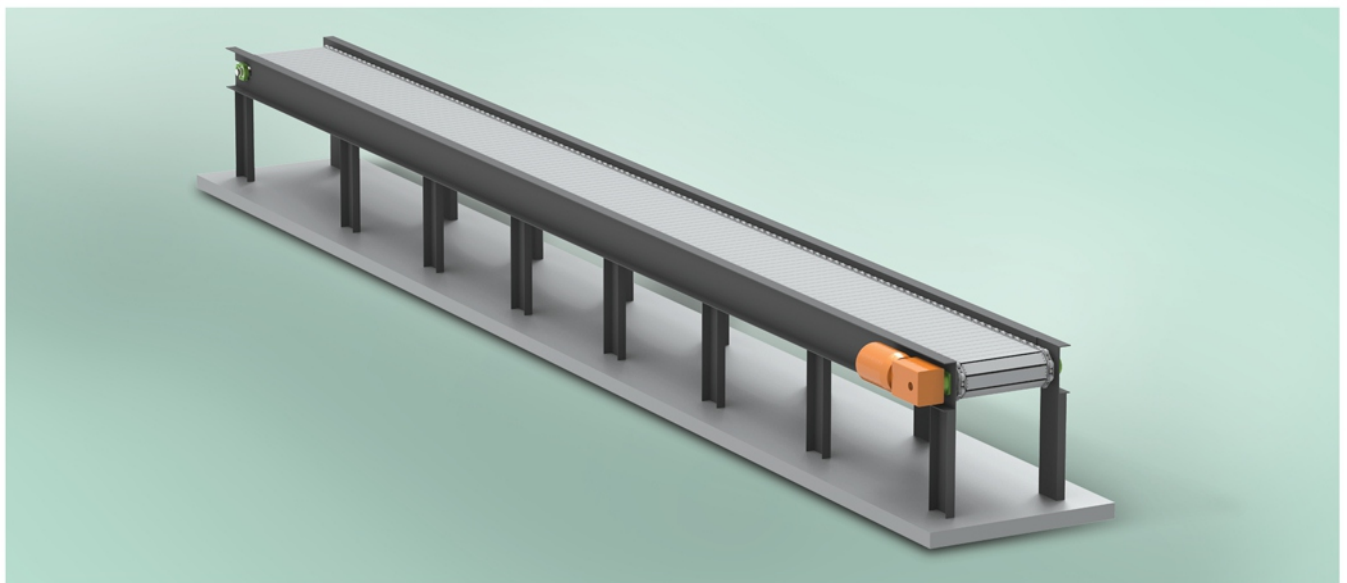
- Steel Plants
- Sand Plants



IPM Steel Plate conveyors are **extremely robust**, able to work with heavy loads. Depending on the material to be transported the conveyors are designed which meet the various load requirements of the end users.

The conveyor belts are manufactured on a modular principle and thus the lengths can be changed any time without having to completely replace the whole machine.

Our steel plate conveyor has been designed specifically **minimize the risk of material getting jammed** and to reduce maintenance operations to a minimum, thus reducing costs.



Tech Specs:

- Rugged design
- Handles hot materials in excess of 350°C
- Widths from up to 1,500 mm
- Adjustable speeds

Applications:

- Foundry
- Food
- Pharma
- chemical, etc

Resonance Conveyor find their uses in many different applications for transporting bulk goods over long distance with one single machine with energy efficient drive.

Advantage of resonance conveyors is it can be designed as curves, used to transport bulk materials such as foundry sand, castings, blasting materials, mineral raw materials, etc.

The drive unit of the conveyor is connected with the basic frame and consists of a three-phase motor, drive shaft and directed exciter or unbalance motors. The flow rate can be controlled via a frequency converter. Vibration dampers ensure a smooth running, as well as low drive power and low foundation loads. The vibrating conveyors can be designed for slopes up to 10°.



Tech Specs:

- Rugged design
- Handles hot materials in excess of 350°C
- Widths from up to 1,500 mm
- Adjustable speeds

Applications:

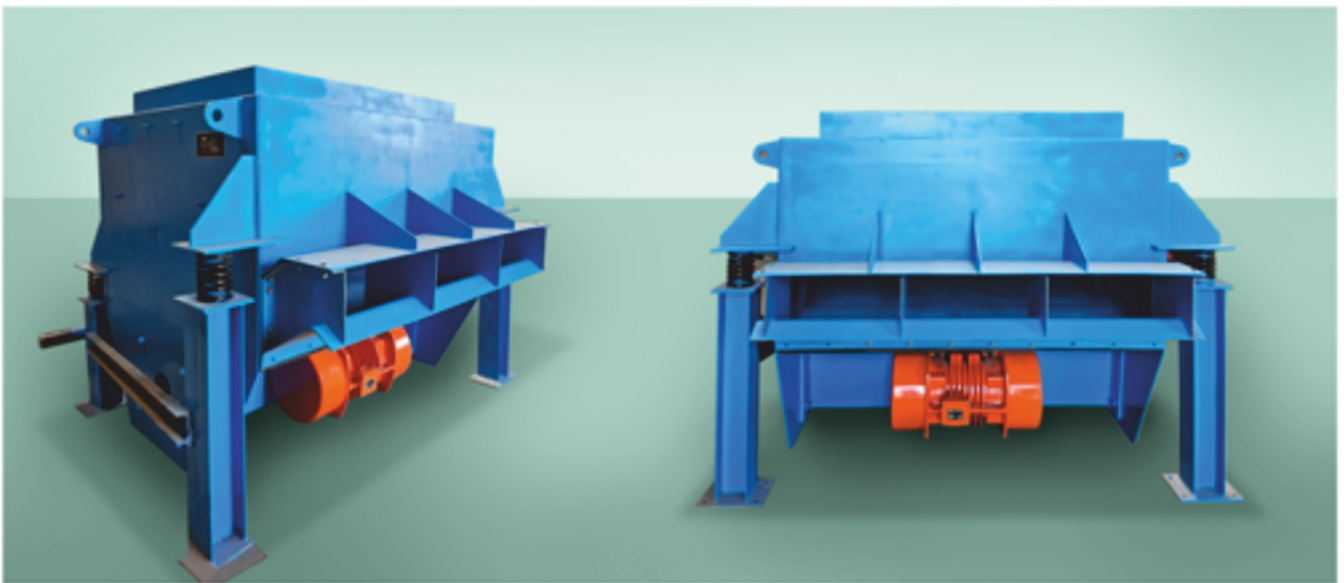
- Foundry
- Food
- Pharma
- chemical, etc

✓ Sand Lump Breaker VSLB

Sand Lump Breaker **IPM** are in used in foundries for recycling and grating lumped up moulding sand from moulds and cores. They are available in four standard sizes.

IPM grinds the mould/ core chunks against each other and the wear plates until a flowability of the sand is reached. During this process small metal parts embedded in the sand get collected and can be ejected through a special door.

The sand is then passed through a set of mesh to ensure the necessary flow and particle size. The collected sand is then discharged through a raised outlet.



Tech Specs:

- VSLB800- 1-2T/hr
- VSLB1000 3-5 T/hr
- VSLB1500 6-10T/hr
- VSLB2000 10-15t/hr

Applications:

- Foundries
- Construction
- RMC plants



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