



Ingwenya Mineral Tech Pvt. Ltd.

Mineral Upgradation Specialists



Plot No.34, 3rd Phase 4th Main, Peenya Industrial Area, Bangalore 560 058, India

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ABOUT US

Ingwenya Mineral Tech Pvt Ltd. is established in the year **2008**, having its establishment in Bangalore, India. At IMT, we have been designing, manufacturing and installing mineral processing equipment's for over **15 years**. All the equipment's are manufactured, assembled & tested in In-House facility under supervision by qualified/ skilled engineers. We also undertake projects involving our range of products along with strategic partnership with other reputed industries. These equipment's cater to a wide range of applications:

- Mineral processing plants (Iron, Manganese, Lead, Zinc, Chromite, Copper, Kaolin, Barite, Limestone, beach sand etc.)
- Silica/Sand washing plants
- Coal washeries
- Steel / sponge and pellet plants

We manufacture various mineral processing equipment's like

- Vibratory/Grizzly Feeder
- Vibrating Screen
- High-Frequency Dewatering Screen
- Drum Scrubber
- Attrition Scrubber
- Column Flotation Cells
- Under Pulsated Jigs
- Low Intensity Magnetic Separator
- High-Rate Thickeners
- Agitators
- Horizontal Vacuum Belt Filter
- Trash Screen

Equipment for Iron ore, Steel, Cement, Power, Chemical, Coal & other Non-Ferrous Metal Processing Plants |Engineering solutions for the Mineral Process Plants.

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❖ IMT Grizzly/Vibratory Feeder:

IMT is a leading manufacturer of Feeders. The manufacturing range includes

Capacity: 50 TPH to 500 TPH

Size Range: 600 mm (W) x 1200 mm (LG) to 1200 mm (W) x 2500 mm (LG)



❖ IMT Screens

IMT manufactures a wide range of screening equipment's with which granule separation of varying ranges is possible for different sizes and capacities. Manufacturing range includes:

- High Frequency Dewatering Screens
- Classification Screens
- Linear Motion Screens

Single and Double deck screens and feeders as wide as 2500 mm are installed and commissioned successfully.



Size Range:

Single Deck Screen: 620 mm (W) x 2100 mm (LG) to 2135 mm (W) x 5185 mm (LG)

Double Deck Screen: 915 mm (W) x 2750 mm (LG) to 2500 mm (W) x 6100 mm (LG)



❖ IMT Drum Scrubbers:

IMT Offers drum scrubber to complement its other products and has successfully installed and commissioned drum scrubbers for iron ore applications up to 100 TPH capacity.

Capacity: 10 TPH to 100 TPH

Size Range:

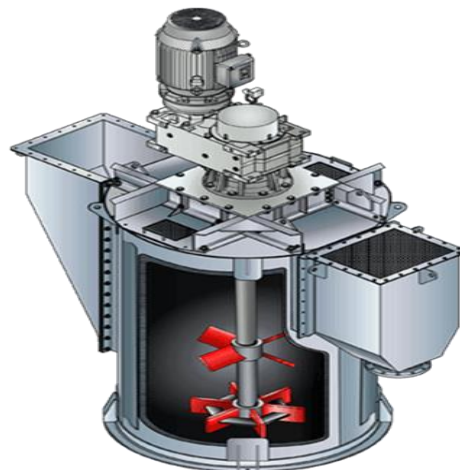
600 mm Dia. x 1000 mm LG to 2000 mm Dia. x 5000 mm LG



❖ IMT Attrition Scrubbers:

IMT Offers attrition scrubbers for scrubbing of mineral fines and clay washing applications and has successfully installed and commissioned attrition scrubber for minus 2 mm size particle scrubbing in iron ore beneficiation plant.

Capacity: 10 TPH to 100 TPH



❖ IMT Magnetic Separators:

Low intensity and Medium intensity magnetic separators are offered by IMT with the technology support from Malvern engineering company, South Africa on case to case basis.

The range offered for Low Intensity Magnetic Separator is up to 2500 gauss and for Medium intensity Magnetic separators it up to 6000 Gauss. The drum diameters starting from 305 mm to 1220 mm and the length of the drums up to 3050 mm.



The designs offered include Multipole and Interpol magnetic arrangement systems and carefully selected to suit the customers' process requirement.



❖ IMT Linear Trash Screen:

Linear Trash Screens are extensively used in the mineral processing industries as a protective equipment prior to Thickeners and High Intensity Magnetic Separators in the Gold leaching plants, Iron Ore processing plants etc.



❖ IMT High-Rate Thickeners:

At IMT, we have been designing, manufacturing and installing thickeners for over **15** years and more than **130** thickeners are operating at various locations around the world. Thickeners are one of the important equipment for efficient recovery and recycling of water in Mineral processing plants.

IMT has specialized in offering thickeners with sizes starting from 5 m to 50 m. Thickeners with Steel construction tanks are available with each and every design going through Finite element analysis to ensure that the designs are robust and economical.



Our comprehensive range of solutions include:

- Conventional Thickeners
- High-Rate Thickeners
- Column Mounted Thickeners
- Cable Torque Thickeners
- Clarifiers
- Elevated or on-ground Tanks



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❖ IMT Jigs

Under pulsated and PLC controlled IMT jigs are offered for various gravity separation plants such as Iron ore, Coal, Manganese, Barites, diamonds, Metal-slag separation plants and application of jigs are in many more industries where precise separation of heavy and light minerals is required. IMT is the first company in India to offer a modular Baby Jig plant with complete system from receiving hopper to the discharge conveyors mounted on fabricated structures.



A typical Baby jig plant can be supplied, erected and commissioned within a period 3-4 months depending upon the customers' ability to complete the civil foundation works.

IMT Combo jig* is a new development introduced by IMT to process two different particle sizes of material in a single jig and successfully installed and commissioned for processing 5-18 mm and 1-5 mm Iron ore simultaneously in a single jig in India.

* Patent application under process

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❖ IMT Flocculant Dosing System

IMT Offers fully automatic Flocculant and Reagent Dosing Systems as stand-alone product as well as part of the High-Rate Thickeners and Flotation Cells. Sizes offered vary from 1.0kg to 50 kg/hr dosing of the Flocculant/Reagent.



❖ IMT Agitators

IMT offers mixers and agitators for homogenous mixing, leaching and heat transfer applications and have successfully installed more than **70** agitators for tanks diameter as big as 10 m and height 12 m for Mineral applications. In house tank.

Available range from 5.5 kW to 75 kW.



❖ IMT Horizontal Vacuum Belt Filter

Horizontal Vacuum Belt Filters are extensively used for filtration of Concentrates and Tailings in Iron Ore, Coal, Phosphoric acid filtration, Di Calcium Phosphate filtration and many other mineral and chemical applications. Size range is available up to 200 SQMTR.



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SERVICE SUPPORT

➤ **IMT provides end to end service for the products which includes:**

- Testing of the Ore to understand the Characteristics.
- Basic & Detail Engineering services for Coal and Mineral Processing Industries.
- Sizing, Selection & Design of Mineral Processing Equipment's.
- Complete engineering, manufacturing, supply, erection and commissioning Services.
- After Sales service which includes supply of Original Spares and Service.



Corporate Office

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Works

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