MERHEIN
Technical Datasheet

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Spiral Classifier for Mineral Processing

This spiral classifier separates materials based on differences in sedimentation speed within a liquid. It is used in mineral processing for classifying ore pulp, washing sand, and desliming.

ADDITIONAL IMAGES

Product Overview

High-Efficiency Mineral Processing

The Spiral Classifier is a reliable gravity-based separation unit designed for ore processing plants. It utilizes the difference in sedimentation speeds of solid particles in a liquid medium to accurately categorize material by granularity and density. Featuring a durable construction with a cast iron spiral axle and heavy-duty armor plate body, this machine is ideal for closed-circuit grinding, mineral classification, and desliming operations.

Key Features

Core Features	Adjustable weirs, Sealed, submerged bearing, Optional automatic lubrication, Robust trough construction, Electric/Manual lifting, Overflow collection box

Technical Data

Technical Specifications

Model	Diameter (mm)	Power (kW)	Weight (t)
FG-3	300	1.1	0.7
FG-5	500	1.1	1.6
FG-7	750	3	2.7
FG-10	1000	5.5	4
FG-12	1200	7.5/2.2	8.5
FG-15	1500	7.5/2.2	12.5
FG-20	2000	11-15/3	20.5

Application

Primary Applications

- Closed circulation with ball grinders for ore-sand separation
- Classification of ore sand and fine sludge in gravity separation
- Particle size classification during metal ore processing
- Desliming and water removal in processing circuits

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