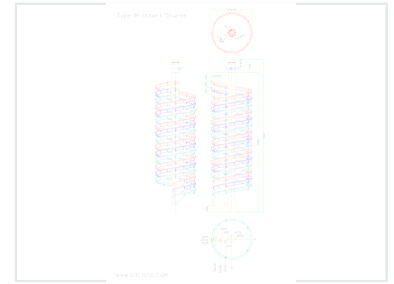
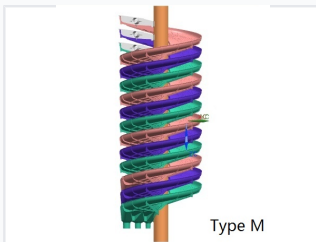


Spiral Concentrator for Mineral Separation

This spiral concentrator efficiently separates minerals based on density differences. Its multi-turn spiral design maximizes separation efficiency for diverse mining applications.



ADDITIONAL IMAGES



Product Overview

High-Efficiency Spiral Concentrator

This Type M spiral concentrator is a precision-engineered solution for gravity separation circuits, utilizing density differences to isolate valuable minerals from gangue. Designed for robust performance, the system features a modular polyurethane construction that ensures long service life and high durability even in demanding mining environments. Its consistent separation efficiency and low operational costs make it an ideal choice for complex mineral processing applications ranging from gold recovery to silica sand processing.

Technical Specifications

Dimensional Data

Attribute	Value
Outer Diameter	1246.19 mm
Central Column Diameter	114 mm
Overall Height	4500 mm
Spiral Section Height	4200 mm
Inlet Height	390 mm

Performance Metrics

1230 mm

Diameter

590 mm

Pitch Space

10 %

Min Pulp Density

55 %

Max Pulp Density

Operational Capabilities

Key Process Features

- Replaceable modular cast polyurethane feed box
- Concentrate diverter for high product grade
- Re-pulping devices for enhanced recovery
- Integrated engaged launder system
- Available with or without wash-water system

Suitable Applications

Gold, Tin, Tungsten, Iron Ore, Chromite, Zircon, Rutile, Ilmenite, Manganese, Garnet

Expected Service Life

20 years