

Sand Production Line with Vibrating Feeder and Jaw Crusher

This sand production line utilizes a vibrating feeder to evenly distribute materials to a jaw crusher. The coarse materials are then conveyed for further processing.



System Overview

Integrated Sand Production Solution

This industrial sand production line features a closed-circuit system designed for high-efficiency material processing. Utilizing a sequence of vibrating feeders, jaw crushers, and sand washing units, the line ensures that raw stone is crushed, screened, and cleaned to exact size specifications. The implementation of return-circuit mechanisms maximizes yield by reprocessing material that does not meet initial size requirements.

Technical Process

Production Stages

- Coarse crushing via jaw crusher
- Secondary material transportation via belt conveyor
- Sieving through vibrating screens
- Material cleaning in sand washing machine
- Closed-circuit recycling for oversized material

Material Flow Sequence

Stage	Function
Feeding	Vibrating feeder provides even material distribution
Primary Crushing	Jaw crusher breaks raw stone
Screening	Vibrating sieve sorts finished sizes
Cleaning	Sand washing machine removes impurities
Recycling	Oversized material returned for reprocessing

Operational Features

Core Capabilities

Closed-circuit recycling, Adjustable sizing, High-volume output, Automated feeding