

5X Series Sand Making Machine

The 5X Series Sand Making Machine is used for crushing metal and non-metal ores, cement, and glass raw materials. It is suitable for crushing high-hardness materials such as iron ore, corundum, and perlite.



Product Overview

5X系列离心式破碎机
5X SERIES CENTRIFUGAL IMPACT CRUSHER

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Introduction to the 5X series centrifugal impact crusher highlighting its optimized impeller design and hydraulic maintenance system.

Advanced Sand Making Technology

The 5X series of centrifugal impact crushers are high-performance sand making machines designed for medium and fine crushing of high-hardness materials. These units are widely utilized across the mining, cement, and metallurgy industries to produce high-quality machine-made sand and building aggregates. With an optimized rotor design and advanced hydraulic maintenance systems, they offer a reliable solution for processing ores, quartz, and basalt.

Key Industries

- Metal and non-metal mining
- Cement production
- Refractory materials
- Glass raw materials
- Building aggregates
- Machine-made sand production
- Metallurgy

Processable Materials

Iron ore, Copper/Non-ferrous ore, Corundum, Bauxite, Quartz sand, Perlite, Basalt

Performance & Efficiency

Performance Highlights

30 %

Efficiency Increase

40 %

Wear Cost Reduction

60 %

Max Throughput Gain

Technical Specifications

Technical Parameters by Model

Model	Waterfall & Center Feed (t/h)	Full Center Feed (t/h)	Max Feed Size (Soft/Hard mm)	Double Motor Power (kW)
XRVSI5X7615	150-280	70-140	35 / 30	150
XRVSI5X8522	240-380	120-200	40 / 35	220
XRVSI5X9532	350-540	180-280	45 / 40	320
XRVSI5X1145	500-640	250-360	50 / 45	440

Power Supply

380V/50Hz

Design Features

Feeding Modes

- Full center feeding
- Center feed accompanied by ring-shaped waterfall

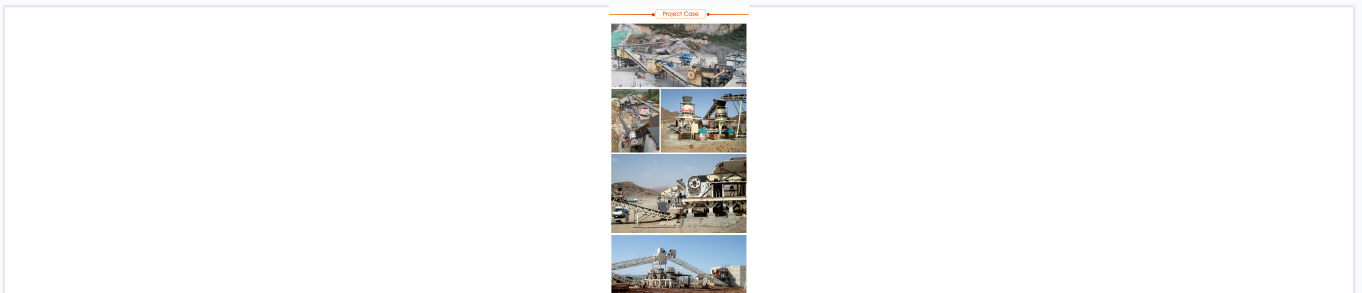
Maintenance System

Semi-automatic Hydraulic Cover • Split-type Wear Parts • Centralized Lubrication

Thin Oil Lubrication Security

The system utilizes dual oil pumps that complement each other to ensure constant supply. It includes safety protocols such as automatic shutdown if no oil flow or pressure is detected. The station features wind or water cooling and an integrated heater for reliable motor startup during winter conditions.

Field Applications



Real-world application of the 5X series in aggregate processing and mining projects.

Project Versatility

Suitable for high-capacity aggregate shaping and sand manufacturing in large-scale infrastructure projects.