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Product Brochure

DRUM BALL MILL SERIES

Screening Ball Mill

MS

Screening Ball Mill: continuous grinding and sieving. Feed, grind, sieve, collect. For precise particle size.

https://www.labballmill.com/products/grinding-series/drum-ball-mill/screening-ball-mill.html

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Product Overview

Screening Ball Mill: continuous grinding and sieving. Feed, grind, sieve, collect. For precise particle size.

Product Introduction

Screening mill (screening mill) It consists of a ball mill drum, a screen system, a feeding system, and a collecting system. The material can be crushed and screened during the ball milling process. After the material reaches the particle size, it is screened out by the screen system. The screened out material is collected by the collecting system, and the material is continuously fed through the feeding system. For materials, the grinding and screening machine is particularly suitable for materials that need to be crushed to a specific particle size. For example, if you want to obtain a specific range, such as 200-300 mesh materials, the grinding and screening machine is very suitable. In addition, the grinding and screening machine also greatly improves the grinding efficiency and reduces unnecessary repeated ball milling.

Screening mill (screening mill) Generally, it is customized according to the customer's requirements, and the customer provides the crushing particle size range, crushing bin volume, and crushing bin material required by the grinding and screening machine.

Technical parameters

model	Frequency conversion speed (r/min) ±3	Motor (kw)	Motor series	Voltage	Loading capacity L	The discharge port is off the ground	Equipment weight	Mill barrel size	Overall dimensions (reference dimensions) mm
MS-30	10-72	1.5	4	Single phase 220V	10	480mm	About 290kg	Φ320x420x5mm	1690x650x1360
MS-60	10-68	2.2		Three-phase 380V	20	580mm	About 350kg	Φ382x580x6mm	1856x700x1500
MS-100	10-58	3		Three-phase 380V	33	530mm	About 445kg	Φ455x610x8mm	1910x700x1500
MS-200	10-58	5.5		380V	66	~	~	~	About 2200x820x1600

Working Principle

Screening mill (screening mill) When working, the grinding media and materials in the cylinder are raised to a certain height with the rotation of the cylinder. Due to the action of gravity, they break away from the cylinder wall and fall along a parabola. The materials are crushed under the impact of the grinding media and the friction and shear caused by the rolling and sliding of the grinding media. Grinding and screening machines can be widely used in electronic materials, magnetic materials, biomedicine, ceramic glaze slurry, non-metallic minerals, new materials and other industries.

Accessories & Customization

Accessories

Grinding jars, heating elements, sample holders, control modules and other matching accessories can be selected according to the product configuration.

Customization

For voltage, capacity, chamber size, process temperature or application requirements, please contact TENCAN for a suitable configuration.