

Intelligent Cone ball mill



Application

XQM series variable frequency ball mill is a new type of laboratory grinding equipment. It can be used for Laboratory wet grinding of fine ores (150×50 intelligent ball mill can also be used for dry grinding), as well as for grinding of fine materials in metallurgy, building materials, chemical industry, light industry, coal, hydropower, agricultural and geological experiments, such as artificial heavy sand, ore Technology processing, etc. Its basic characteristics are: high working speed of the mill barrel; smooth lining in the barrel; small allowable filling rate of grinding medium (steel ball); increased number of grinding medium, which significantly enhanced the grinding and stripping effect. Compared with the original mill of the same type, it has the following advantages:

1. The equipment configuration is balanced and reasonable; the operation is highly automatic; the electric control of ore feeding and discharging is convenient and quick, and the inclination angle is set arbitrarily; the working noise is small.
2. Machine running time can be set at will.
3. The particle size composition of the grinding material is relatively uniform, and the degree of over grinding is small, which is conducive to improving the quality of the experimental work of ore washability.
4. The machine is compact. The transmission mechanism is simple, reliable, with less lubrication and easy maintenance; no special foundation or workbench is required for use and installation, so it is convenient to move and occupies a small area.
5. High grinding efficiency.
6. Grinding unit material consumes less power.

Main Technical parameters

With Frequency converter, 0-1400r/min step less adjust, auto discharge.

model	$\Phi 150 \times 50$	$\Phi 240 \times 90$	$\Phi 360 \times 160$	unit
Drum size	$\Phi 150 \times 50$	$\Phi 240 \times 90$	$\Phi 360 \times 160$	mm
capacity	300	500-1000	4000	g
Feeding size	-3	-3	-5	mm
Output size	-0.074	-0.074	-0.074	mm
Drum speed (Advice:)	112 ± 2	96 ± 2	62 ± 2	r/min

motor	power	1.1	1.1	1.1	kw
	speed	910	910	910	r/min
dimension		920*550*1050	1055*650*1050	700*580*1080	mm
weight		155	210	350	kg