

dustproof alloy jaw crusher for third party testing

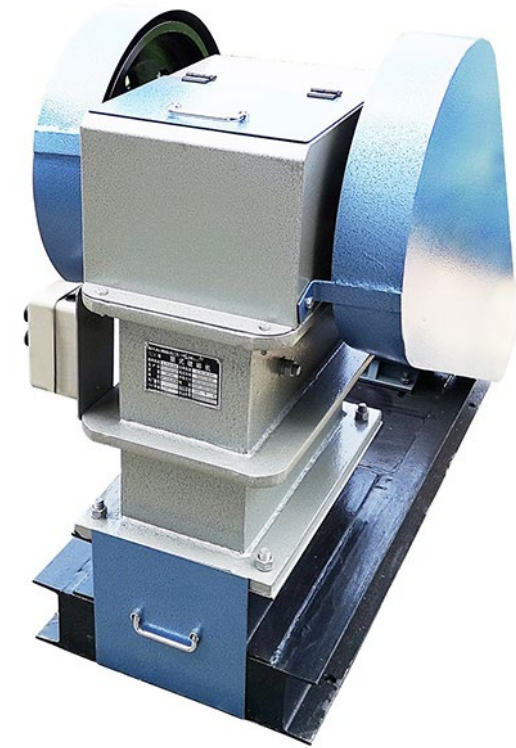
dustproof alloy jaw crusher is a kind of high-efficiency experimental equipment for primary crushing of solid materials, specially designed for laboratories, sample making workshops and quality control centers and other scenarios.

Dustproof Alloy Jaw Crusher

The dustproof alloy jaw crusher adopts a fully sealed structure, which effectively inhibits dust spillage and meets the current environmental protection standards and safe production requirements. The whole machine is designed to meet a number of national standards, such as GB 474, GB/T 2007, GB/T 4010, etc. It is a good choice for standardized sample making in coal, electric power, metallurgy, building materials and other industries.

Features

- **Fully sealed structure design:** the crushing chamber is isolated from the operating environment, eliminating dust flying, protecting the health of the operator, suitable for places with strict environmental requirements.
- **High wear-resistant alloy jaw:** the crushing parts are made of high-strength alloy steel casting, with good wear resistance and impact resistance, suitable for high hardness materials.



- **Adjustable particle size design:** the width of the discharge opening can be adjusted to control the particle size of the discharged material to meet the needs of different analysis precision.
- **Stable operation and low noise:** the machine body adopts shock absorbing structure design, small vibration, smooth operation, good noise control, suitable for indoor continuous operation.
- **Easy to operate and maintain:** intuitive structure, easy to open and close, cleaning and replacing accessories quickly, suitable for frequent operation and teaching use.
- **Conforms to many national standards:** Strictly refers to the sampling standards of coal samples, ferroalloys, manganese ores and other bulk mineral samples, ensuring that the samples are representative and reproducible.

Advantages

- **Environmentally friendly and dust-free, widely applicable:** the design of the fully enclosed structure not only improves the environmental protection level, but also expands the possibility of use in special environments, such as purification laboratories, underground mines and so on.
- **Stable performance, long service life:** the whole structure of the machine has been optimized by dynamics, small wear and tear of parts, stable performance in long-term operation, long maintenance cycle.
- **High adaptability, high sample quality:** suitable for different hardness, different moisture content of the sample, not easy to jam, to ensure that the sample is uniform, no cross-contamination.
- **Standardized production, reliable results:** the sample making process is in line with national and industry standards, which helps the comparability and fairness of testing data.

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Working Principle

1. Dustproof alloy jaw crusher adopts the typical oscillating crushing principle.
2. The motor drives the eccentric shaft to rotate, driving the movable jaw to do periodic reciprocating motion.
3. The squeezing force is formed between the movable jaw and the fixed jaw, and the samples entering the crushing chamber will be crushed and split repeatedly until they are crushed to the set particle size.
4. The crushed samples will fall out from the discharge port naturally under the action of its own gravity.
5. The granularity of the discharged material is determined by the distance between the movable jaw and the fixed jaw, which can be set flexibly by the adjusting device.
6. The whole crushing process is completed in the fully enclosed chamber, which effectively prevents dust leakage and is equipped with vibration-proof mats and soundproof structure to ensure a neat and quiet operating environment.

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Model	EP100x60	EP150x125	EP150x250
Feed opening size	100x60mm	150x125mm	150x250mm
Feed size	≤60mm	≤100mm	≤125mm
Output size	less than 5 to 15mm(adjustable)	less than 10 to 40mm(adjustable)	less than 20 to 40mm(adjustable)
Production rate	250 to 500kg per hour	850 to 1500kg per hour	1000 to 2000kg per hour
motor power	2.2kw	4kw	5.5kw
Power supply	three phase 380Vac		
Weight	150kg	420kg	500kg
Dimensions	730x500x650mm	1180x620x1000mm	1460x700x1150mm
Note	Alloy jaws for crushing high hardness ferroalloys such as manganese silicon, manganese ferroalloys, etc.		