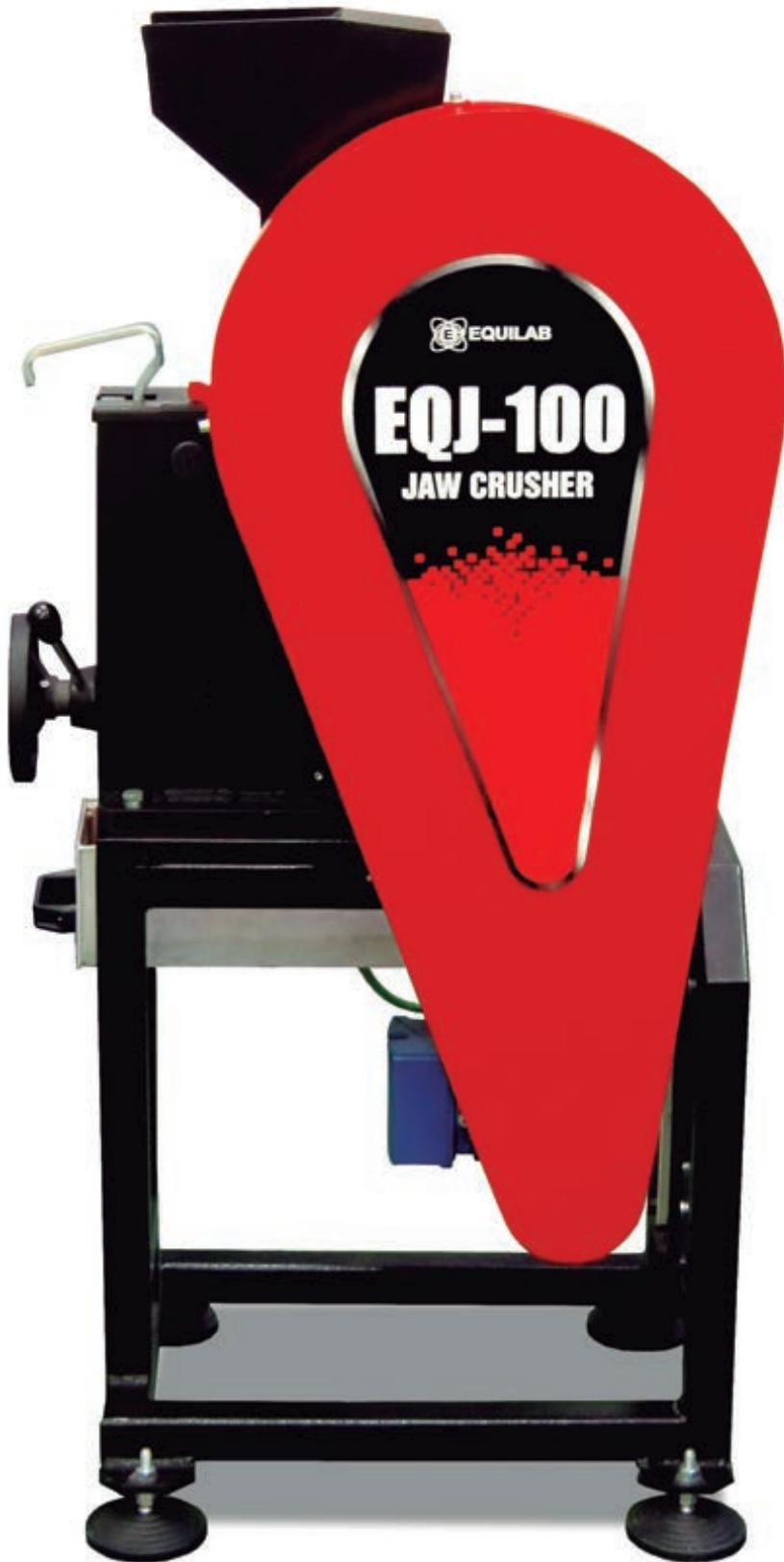


## EQJ-100 Jaw Crusher



*The EQJ-100 Jaw Crusher is a grinding unit specially designed for the primary size reduction of semi-hard, hard, brittle and tough materials. Able to quickly and efficiently crush glass, earth, slags, metallic oxides, cements and construction materials, ferroalloys, ceramic materials, minerals and rocks. It is a very robust and simple equipment, that can take and reduce samples for years practically maintenance free.*

Samples of very different sizes may appear during the sample preparation step. If the initial size of the sample is very big – over 10 mm –, it is necessary to undertake a pre-crushing step, named primary size reduction.

The wide variety of samples (semi-hard, hard, brittle and tough) and the ample crushing range of the EQJ-100 Jaw Crusher (<50mm to <1mm) makes of it the ideal unit to undertake this primary reduction process.

After this primary reduction, we can resort to other units such as vibratory disc mills or ball mixer mills, which will allow us to reach the requested final analytical granulometry.

**Working process.** The sample is fed via a “anti rebound” hopper and falls directly to the crushing chamber. Here a powerful grinding process starts, due to the energetic action of a mobile jaw against a fixed one, the sample being crushed between both. The gap between the jaws is adjustable. When the sample reaches an equal or inferior size than the one sought



after, it falls in a removable container. An adjusting analog system allows the user to select the required sample size, via an analog signal in the control window located in the left side of the unit.

**Safe.** With the “anti-rebound” hopper, it is possible to safely feed the unit even when operative. It has also got an electrical protection against overload. All the moving parts of the unit are protected to ensure the safety of the user.

**Fast.** The power of the 1.5 CV engine reaches the moving jaw via an eccentric shaft, causing an elliptical movement of the part, extending thus the crushing and friction area.

**Method.** The breaking of the sample takes place in the inside of the crushing chamber with the high pressure level exerted between the moving and the fixed jaw, and the interaction with the other pieces of sample.

#### Technical specifications:

Method: by pressure

Applications: cement industry, metallurgy, power plants, environmental laboratories, recovery plants, recycling plants, geology and mineralogy, ceramics

Initial feeding size: < 50 mm

Final size: < 1 mm

Milling speed: 230 rpm

Engine power: 1100W

Power: 3 x 380V + earth

Jaw crushers: manganese steel

Dimensions: 122,5 cm (height) x 50cm (width) x 42cm (depth)  
Approximate weight: ~185 kg

#### Applications:

**Glass, cement, plaster, slags, coal, clincker, bones, coke, metallic oxides, ferroalloys, ceramic materials, minerals, silicates, chemical products, geological and mineralogical samples.**

- Quick primary reduction of samples
- Ample range of samples
- Great crushing power
- Simple and safe
- Comfortable to collect the ground samples

