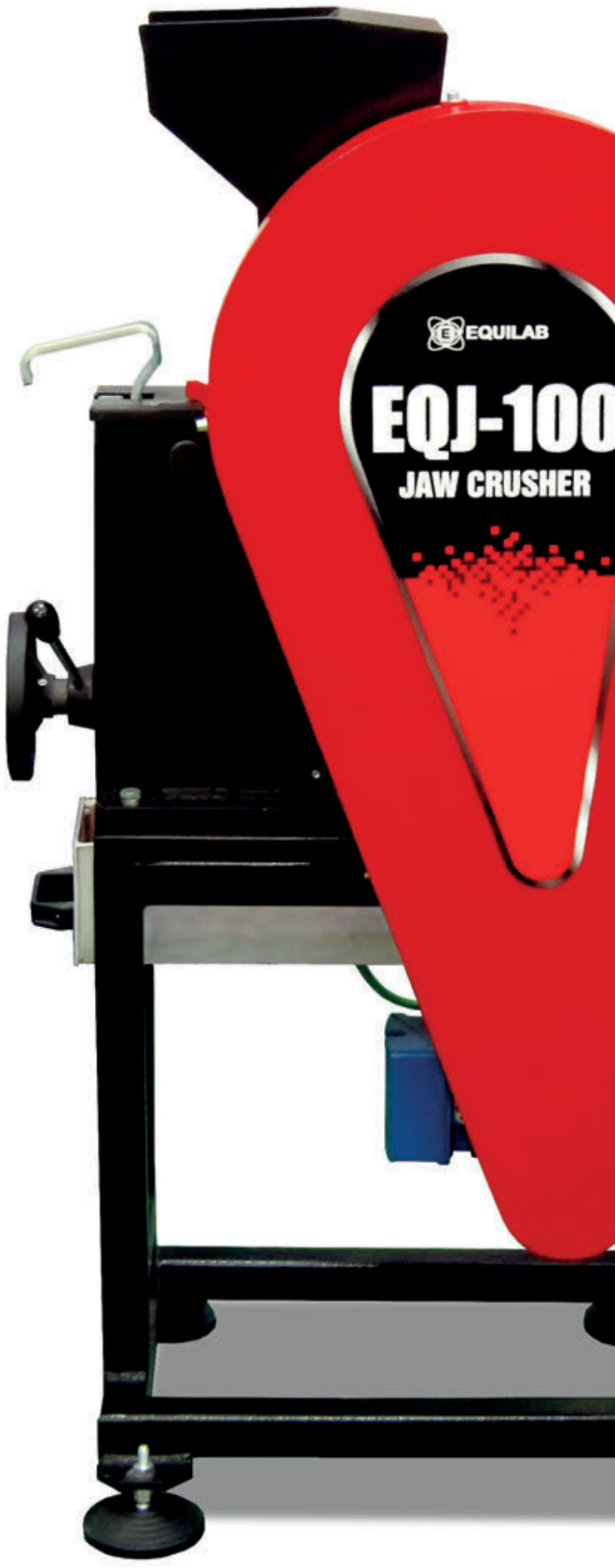
EQUILAB

EQJ-100

Jaw Crusher

EQJ-100 Jaw Crusher

- Fast
- Simple
- Safe
- Powerful



- Easy to operate
- Safe for the user
- Admits an ample range of materials
- High grinding power
- Comfortable collection of the grinded samples
- Initial reduction of samples to up to Ø50mm

The EQJ-100 Jaw Crusher is a grinding unit specially designed for the primary size reduction of semi-hard, hard, brittle and togh 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.

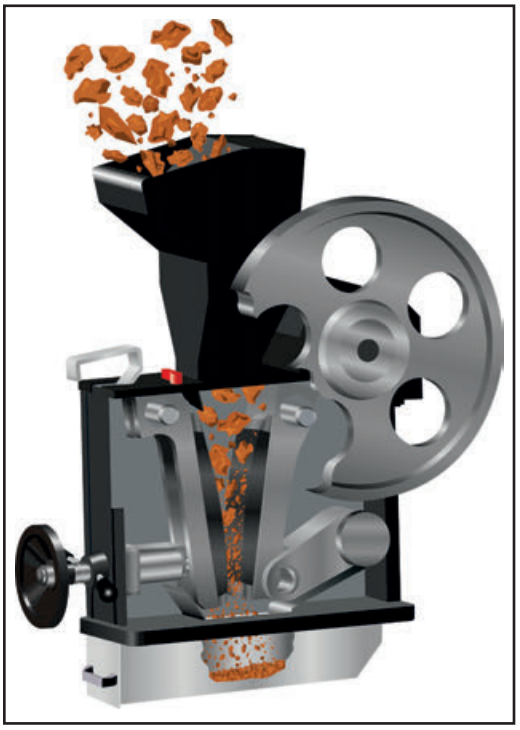
Samples of very different sizes may appear during the sample preparation step. If the initial size of the sample is very big – over 10 mm -, it is necessary to undertake a pre-crushing step, named primary size reduction. After this primary reduction, we can resort to other units such as vibratory disc mills or ball mixer mills, which should allow us reach the requested final analytical fineness.

The EQJ-100 Jaw Crusher has been specially designed for the fast and effective primary size reduction of hard, semi-hard, brittle and tough samples. 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 acction 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 fells 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 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 eliptical 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.



Picture showing how the **EQJ-100 Jaw Crusher** works

Applications:

Cement industry, metallurgy, power plants, environmental laboratories, recovery plants, recycling plants, geology and mineralogy, ceramics.

Especificaciones Técnicas:

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:	1100 W
Power:	3 x 380V + tierra
Jaw crushers:	manganese steel
Dimensions:	122,5cm (height) x 50cm (width) x 61cm (depth)
Approximate weight:	~185 kg

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