EQUILAB

EQR-200

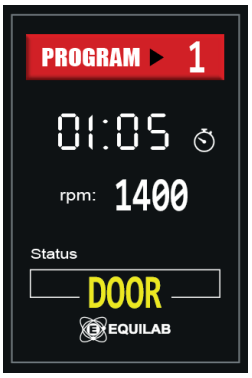
Vibratory Disc Mill

EQR-200 Vibratory Disc Mill

- Quick
- Simple
- Safe
- Silent
- Digital screen
- 5 working programs

- Obtain an analitical grain size in seconds
- Easy to use
- Control all the parameters from a digital screen
- 5 working programs
- Grinds an ample range of materials
- Quick and easy replacement of the milling jars
- Silenced and anti-vibration chamber
- The best quality/price ratio in the market

The EQR-200 Vibratory Disc Mill is a grinding mill specially designed to obtain analytical grain sizes in a wide variety of samples, such as glass, earth, slags, metallic oxides, ferroalloys, cements, and ceramic materials amongst others. It can quickly grind a wide range of different materials, from semi-soft to the hardest, fragile or fibrous. All the processes can be controlled via a full color digital screen. Its ease of handling and the robustness of all its components make of this mill a unit practically maintenance free.



Full color digital screen showing:

- The current program
- Timer
- Countdown
- Power
- Status

Controlled by a microprocessor, it has got five programs – editable by the digital 3.5" full color screen – where you can fix the different times and speeds for the milling process. You just need to slide the jar in place, with the sample within, and once the door is closed, choose one of the programs and push the on key. After the selected time elapses the mill will stop and at that moment it is possible to open the door and take the jar out with the sample. To check in the remaining milling time you can just look in the digital screen.

Safe. The fixing system of the milling jars, as well as the interlocking system of the door - preventing it from opening until the engine is completely still -, make of this mill a highly safe unit.

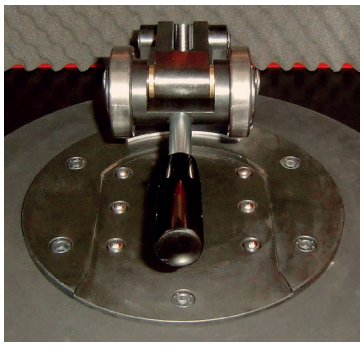
Silent. The special acoustic insulation lining the inside reduces the noise to a really low level, avoiding thus the exposure of the user to noise.
Stable. The frequency converter in the mill, apart from letting you adjust the speed of the engine to the most appropriate for each type of sample, enables the unit to reach the working speed and then pass to zero with an acceleration or deceleration ramp, so the unit does not vibrate in the start up and when stopping.

Method. The grinding of the sample is made inside the jar with the hitting of the blocks with one another and then the friction between them and the jar. The weight of the blocks helps to achieve really short milling times.

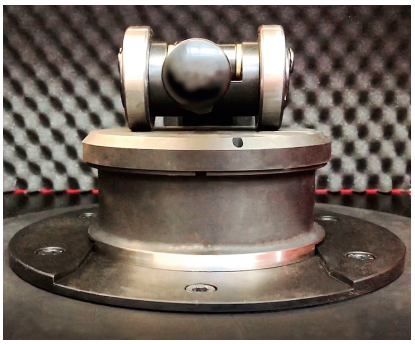
Aplications:

Glass, earth, slags, coal, clinker, coke, metallic oxides, ferroalloys, cement, ceramic materials, minerals, silicates, geological and mineralogical samples

Upper view of the milling jar



A fitting system using balls helps the jar to slide into place easily.



Technical specifications:

Method:	friction, mixing and grinding
Applications:	Cement Industry, Metallurgical Industry, Thermal Power Plants, Environmental Laboratories, Material Recovery Industries, Recycling Plants, Geology and Mineralogy, Ceramic Industry
Initial grain size*:	< 15 mm
Final grain size*:	< 50 µm
Milling speed:	regulable / 700 a 1500 rpm
Engine power:	1500 W
Power source:	2 x 220V + tierra
Milling Jars:	Steel 100 ml Steel 200 ml Tungsten Carbide 100 ml Tungsten Carbide 200 ml
Dimensions:	108.5cm (height) x 65cm (width) x 64cm (depth)
Approximate weight:	226 Kg

*Depending on the sample and the milling program

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