



Laboratory Ring Mill Model LM5

Vibratory Mill for rapidly preparing up to 3,5 kg of sample material



Well Proven, Vibratory Ring Mill for preparing up to 3,5 kg of sample material for analysis.

The Essa Laboratory Ring Mill Model LM5 is designed for operating environments and accepts soft to hard ores, drill core, Rock, alloys, soils, chemicals, ceramics and similar materials

Typically samples of app. 3 to 3,5 kg mass can be ground to 90 to 95% down to minus 75 microns, while larger samples up to app. 5 kg can be reduced down to 500 micron particle size.

The machine is supplied as standard complete with:

- 4 KW (3 phase) motor
- Pneumatic bowl lid clamping
- External control box with stop/start
- Motor overload protection
- Timer
- Lid safety switch
- Integrated Emergency Stop button
- Millmate complete
- Grinding bowl, cover and disc

The vibratory platform of the Essa LM5 is driven by a universal shaft powered by vee belts from a stationary 4 KW electric motor.

The design of the bowl is based on the Essa internationally patented concept of a single, solid "flying saucer" shaped puck operating in a curved bottom bowl.



Unique patented solid „flying saucer“ shaped puck for rapid Milling and perfect homogenisation

Technical Data

Maximum feed size	25mm
Product Size	75 Micron
Throughput	batch up to 5 kg
Dust Extraction points	One (1)
Electrical requirements (3 phase)	4 KW
Speed	1450 rpm
Approximate Mass	725 kgs

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