

**High Energy Ball Mill Emax****Retsch****High Energy Ball Mill Emax**

The Emax is an entirely new type of ball mill for high energy milling for medium-hard, hard, brittle and fibrous materials. The combination of high friction and impact results in extremely fine particles within the shortest amount of time. Thanks to the cooling system with water, the high energy input is effectively used for the grinding process without overheating the sample. The Emax is capable of continuous grinding operation without interruptions for cooling down. The high energy input in combination with the unique cooling system provides perfect conditions for effective mechanical alloying or grinding down to the nanometer range.

**Features:**

- Speed of 2000 rpm allows for ultra-fast and fine pulverization of the sample
- Controlled water cooling allows for continuous operation without cool down breaks
- Temperature-controlled grinding
- Narrow particle size distribution thanks to special jar design which improves mixing of the sample
- 10 combinations of grinding parameters storable
- Operation with 2 grinding jars with integrated safety closure
- Range of jar materials allow for contamination free grinding



Accessories on request.

**Specifications**

**Material feed size: 5mm**

**Final fineness: 80nm**

**Batch size / feed quantity: 2 x 45ml**

**Dimensions (W x D x H): 625 x 645 x 525mm**

**Power supply: 1-phase**

**Weight: approx. 120kg**



Code	Description	Packaging
LLG09738775	High-performance ball mill Emax for max.2 x 45ml, 200-240 V / 50/60 Hz	1 pz.
LLG09738776	Beakers for high energy ball mill Emax, Type Grinding jar, 50 ml, stainless steel	1 pz.
LLG09738777	Beakers for high energy ball mill Emax, Type Grinding jar, 125 ml, stainless steel	1 pz.
LLG09738778	Beakers for high energy ball mill Emax, Type Grinding jar, 50 ml, zirconium oxide	1 pz.
LLG09738779	Beakers for high energy ball mill Emax, Type Grinding jar, 120 ml, zirconium oxide	1 pz.
LLG09738780	Beakers for high energy ball mill Emax, Type Grinding jar, 50 ml, Tungsten carbide	1 pz.



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