



PROGRAMMABLE RING & PUCK MILL



The 8530 Shatterbox® is a ring & puck mill with a soundproof enclosure that grinds up to 100 grams of samples to a fine analytical powder. Ideal for pulverizing dry, brittle samples and slurry grinding. It swings a dish-shaped grinding container, with a puck and (often) a ring inside,

TYPICAL SAMPLES

Cements, Soils, Ceramics, Slag, Rocks, Minerals, Ores, Pharmaceuticals, Sulfur Pellets, Dried Plant Material and slurry samples.

FEATURES & BENEFITS

- Swings a dish-shaped grinding container with a puck & ring, in a tight high-speed circle, rapidly crushing samples.
- Soundproof enclosure reduces noise levels and features an easy-to-use enclosed cam-action clamp.
- Membrane control panel featuring an LCD display with a 10 minute electronic timer that counts down the time remaining. The "pause" function allows interruption of a grinding cycle.
- Equipped with a safety interlock system and lid gas cylinders for operator protection.
- Sound-insulated steel cabinet has a cooling fan to prevent the motor from overheating and lockable casters enabling the mill can be moved about the lab and then fixed in place.



SPECIFICATIONS

VOLTAGE	115V / 60 HZ or 230 V / 50 HZ	MOTOR	1 / 2 hp, 835 RPM
DIMENSIONS	19 in (48 cm) x 19 in (48 cm) x 40 in (102 cm)	POWER CORD	3-prong grounded plug, 115 V / 60 Hz or CEE 7 / 7 2-prong European plug, 230 V 50 Hz

SHATTERBOX® ACCESSORIES

GRINDING CONTAINERS



Grinding Containers are available in Hardened Steel, Tungsten Carbide, Alumina Ceramic and Zirconia. Small grinding containers are also available in hardened steel or tungsten carbide to grind 20mL samples.

BINDERS



Paraffin and cellulose binders with a particle size of less than 30 µm are ideal for samples which crumble or ablate after pressing. They blend quickly and completely with samples at 10-20% by weight to aid preparation of XRF sample disks.

RACKS



Allows grinding with either one or three small grinding containers in the Shatterbox®. The rack base plate has handles to easily lift rack in and out of the chamber.



Wolflabs

Wolf Laboratories Limited

www.wolflabs.co.uk

Tel: 01759 301142

Fax: 01759 301143

sales@wolflabs.co.uk



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