

8530

ShatterBox®

Grinding &
Pulverizing



PROGRAMMABLE RING & PUCK MILL



The 8530 Shatterbox® is a ring & puck mill with a sound-proof 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, in a tight high speed circle.

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.



WATCH THE VIDEO!

Scan this code with the QR Reader on your smart phone or visit www.spexsampleprep.com/shatterbox

SPEX® SamplePrep®

WWW.SPEXSAMPLEPREP.COM/SHATTERBOX

SPECIFICATIONS

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

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 8500 Shatterbox® and 8530 Enclosed Shatterbox®. The rack base plate has handles to easily lift rack in and out of the chamber.

Visit www.spexsampleprep.com/shatterbox for the full range of accessories.

ALSO AVAILABLE: 8500 SHATTERBOX®

The 8500 ShatterBox® is our original ring & puck mill that grinds up to 100 grams of brittle material to an analytical fineness in two minutes or less. The motor is protected by a perforated shield that allows ample air-cooling for continuous running. The perforated metal skirt provides ventilation for continuous operation, and a rubber cover protects against dust. The 8500 ShatterBox® can be plugged into a standard lab timer and its cam-activated clamp requires only moderate hand pressure to secure the grinding dish and adjusts for containers of different heights.



VOLTAGE	115V/60HZ	GROSS WEIGHT (lbs)	135 lbs (61.2kg)
DIMENSIONS	13 in (33cm) x 13 in (33cm) x 23.5 in (60cm)	MOTOR	1/2 hp, 835 RPM

