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.

**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.

**TYPICAL SAMPLES**

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

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

**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.

<table>
<thead>
<tr>
<th>VOLTAGE</th>
<th>115V/60HZ</th>
<th>GROSS WEIGHT (lbs)</th>
<th>135 lbs (61.2kg)</th>
<th>MOTOR</th>
<th>1/2 hp, 835 RPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIMENSIONS</td>
<td>13 in (33cm) x 13 in (33cm) x 23.5 in (60cm)</td>
<td>MOTOR</td>
<td>helpless</td>
<td>1/2 hp, 835 RPM</td>
<td></td>
</tr>
</tbody>
</table>

**WATCH OUR VIDEOS!**

Scan the QR code with your smart phone or visit www.youtube.com/sampleprep