

SM-300 ShatterBox®

Versatile ring and puck mill for grinding up to 150 grams of brittle material to analytical fineness



Grind your samples with minimal loss in a soundproof enclosure.

- Pulverize up to 150 grams of brittle material to analytical fineness
- Grinding times range from two to five minutes, with resultant particle size to analytical fineness (<50 µm)
- Automated locking dish and guided positioning
- LCD touchscreen with easy navigation

The SM-300 ShatterBox has many advanced features including industrial design, user-friendly touchscreen interface, variable run speed, ergonomic dish loading platform, automated locking clamp, a safety interlocking door, and lockable casters making the large, more industrial mill easy to move from one laboratory to another.

The ShatterBox is a versatile ring and puck mill that can crush and grind many types and sizes of samples with minimal sample loss and increased safety. The SM-300 model features an automated locking dish and guided dish positioning with an automatic elevation of the dish for ease of use and greater flexibility. The versatility of sample containers allows for grinding within smaller dishes without the ring, as well as the ability to increase sample sizes and capacity with our ring and puck system.

FEATURES

- Variable speed
- Durable
- Programmable methods
- Automated safety features

APPLICATIONS INCLUDE

- XRF, CRD, ICP, AAS, and IR analyses

SAMPLE TYPES INCLUDE

- Cement
- Superalloy
- Granite
- Glass
- Sand
- Slag
- Ceramics
- Seeds
- Grains
- Pigments
- Catalyst supports

ShatterBox®



SM-300 ShatterBox
Ring and Puck Mill

Before and Sample Samples – Glass



Specifications

Specification	SM-300
Type of mill	Grinding mill
Display	Digital
Motor	1/2 hp
CE approved	Yes
Voltage	115 VAC, 60 Hz or 230 VAC, 50 Hz
Power cord	3-prong grounded plug for 115 VAC or 2-prong European CEE 7/7 plug for 230 VAC
Dimensions (W x D x H)	67.5 x 66.0 x 138.0 cm (26.6 x 26.0 x 54.3 in.)
Weight	200 kg (400 lb)
Warranty	1 year

Ordering Information

Description	Item Number
SM-300 ShatterBox® Ring and Puck Mill, 115 VAC, 60 Hz	8550-115
SM-300 ShatterBox® Ring and Puck Mill, 230 VAC, 50/60 Hz	8550-230

For additional information or to request a quote or demo, scan the QR code or visit spexsampleprep.com



Need a Demo?

- Virtual sample processing – virtual demonstration of the equipment and sample processing
- Physical sample processing – physical testing of your sample with shared results
- Physical equipment testing – a demo unit can be sent to your facility to test before purchasing

Contact us today at sampleprep@coleparmer.com for details.

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