

# ShatterBox®

## Versatile Ring and Puck Mill

SM-300 – ShatterBox Ring and Puck Mill

- 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 dish positioning
- LCD touchscreen with easy navigation

The SM-300 model 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. Our SM-300 ShatterBox 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

### Typical Applications Include

XRF, XRD, ICP, AAS, and IR analyses for rocks, minerals, cement, ores, slag, soil, and ceramics.

# ShatterBox® Ring and Puck Mill

## Sample Types Include



Cement



Glass



Ceramics



Grains



Pigments

## 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 (440 lb)
Warranty	3 years

SM-300



## Ordering Information

Product	VWR Cat. No.
SM-300 ShatterBox, Ring and Puck Mill, 115 VAC, 60 Hz	76533-058
SM-300 ShatterBox, Ring and Puck Mill, 230 VAC, 50/60 Hz	76533-060