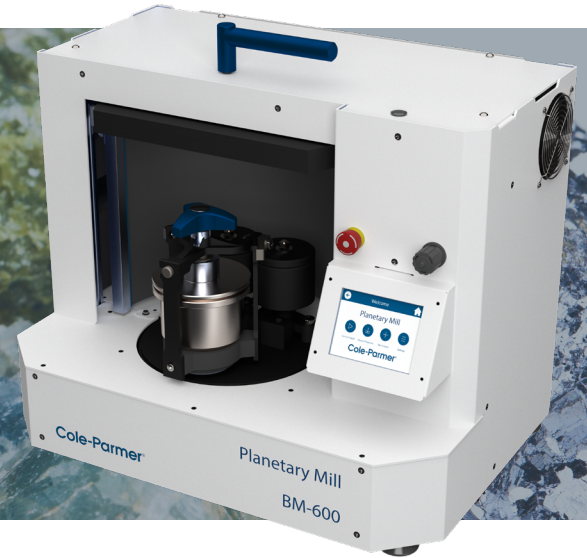


BM-600 Planetary Mill High-Energy Ball Mill



- Planetary motion rotates sun wheel in one direction while the sample jar rotates in the opposite direction
- Single grinding station for one 250 mL or one 500 mL grinding jar
- Capability to grind samples to analytical fineness (<math><50 \mu\text{m}</math>)
- Unique, easy-to-operate jar clamping system
- Programmable touch screen interface capable of storing up to 10 run protocols
- Ergonomic design makes loading a grinding jar into the mill easy

The BM-600 Planetary Mill grinds 50 to 225 grams of samples with a mechanical motion, rotating the jar in one direction while the platform (sun wheel) is rotated in the opposite direction. The mechanical milling is performed at a 2:1 ratio causing the container to rotate twice relative to every single rotation of the sun wheel. As the container is moved, the relative centrifugal force is transferred to the grinding balls causing them to move in a circular motion, into each other, and against the container wall, grinding the sample.

Typical Applications Include

Size reduction, nanomilling, powder blending, emulsion, and slurry grinding.

Sample Types Include



Rocks



Minerals



Ceramics



Glass



Pharmaceuticals

BM-600 Planetary Mill

Specifications

Speed	Adjustable range: 300 to 600 rpm
Voltage	115 VAC, 60 Hz or 230 VAC, 50 Hz
CE Approved	Yes
Motor	1.5 HP, maximum speed 3500 rpm, maximum power 220 W
Dimensions (W x H x D)	70.0 x 56.0 x 48.3 cm (27.5 x 22 x 19")
Net Weight	113 kg (250 lb) (empty, without jar)
Power Cord	3-prong grounded plug for 115 VAC or 2-prong European plug for 230 VAC
Warranty	3 years

Ordering Information

Description	Item Number
BM-600 Planetary Mill, 115 VAC, 60 Hz	04900-16
BM-600 Planetary Mill, 230 VAC, 50 Hz	04900-17

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@antylia.com for details.

cole-parmer.com

USA:
+1.800.323.4340
+1.847.549.7600

Canada: +1.800.363.5900
China: +86.21.5109.9909
France: +33 (0) 1486 37800
Germany: +49 (0) 9377 92030

India: +1.800.266.1244
Italy: +39 (0) 2 84349215
UK: +44 (0) 1480.272279
All other countries: +1.847.549.7600

Cole-Parmer®
Spex SamplePrep is now part of Cole-Parmer