Planetary Ball Mill (Mono Mill)

Planetary Motion for Optimal Collision Rate

The unique planetary rotation generates a high collision frequency, ensuring intensive grinding and mixing.

Ideal for applications that require ultra-fine grinding, capable of reducing particle sizes down to the nano scale.

Versatile Grinding Options

Offers a selection of jars and variable ball diameters for customizable grinding setups.

Planetary motion ensures uniform particle size distribution for optimal blending.

Robust Construction

Built with high-quality materials for both jars and balls, ensuring durability and consistent performance.

Self-lubricated belt drive system provides smooth, maintenance-free operation.

Advanced Control System

Microprocessor-controlled digital RPM for precise speed adjustments.

Programmable timer for setting specific grinding duration.

Safety and User-Friendly Operation

Equipped with input and output fuses to enhance operational safety.

Low-noise functionality for a quieter, more comfortable workspace.

Extended Operational Capability

Supports continuous operation for up to 10 hours.

Specifications

Category	Details
Grinding Jar Material Options	Tungsten Carbide (TC) or Stainless Steel (SS)
Jar Volume Options	SS: 250, 500, 750, 1000 ml TC: 250, 500 ml
Grinding Media Material Options	Tungsten Carbide (TC) or Stainless Steel (SS)
Grinding Media Ball Sizes	Variable diameters to suit application requirements
Total Number of Balls	20-100
Maximum Speed	Up to 600 RPM (Variable)
Drive Mechanism	Self-lubricated belt drive
Continuous Operation	Up to 10 hours
Grinding Method	Planetary rotation for uniform grinding

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Control System

Category	Details
RPM Control	Adjustable, with digital RPM display
Motor	0.5 HP, 230V, 50Hz, Variable Frequency Drive
Programmable Timer	Set grinding time as needed
Indications	RPM indicator for real-time monitoring
Safety	Input and output fuses for protection
Control Switches	Mains on/off and motor on/off
Noise Level	Minimal, for a quieter work environment

Jar and Grinding Media Options

Jar Options

Stainless Steel (SS) Jars

Available Volumes: 250 ml, 500 ml, 750 ml, 1000 ml

Suitable for general applications with medium wear resistance.

Tungsten Carbide (TC) Jars

Available Volumes: 250 ml, 500 ml

Ideal for high-wear applications and grinding of hard materials.