

Small Rod Mill Cylinder Cleaning Machine Laboratory Powder Container Cleaner

Item Number: KT-BMC



Introduction

Optimize lab workflows with this automated small rod mill cylinder cleaning machine. Designed for rapid residual powder removal across multiple grinding jar diameters, it prevents sample cross-contamination during geological, metallurgical, and mining sample preparation routines effectively and reliably.

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Application	Description	Key Benefit
Geological Assay Sample Preparation	Clearing residual gold ore, bauxite, and quartz powders from rod mill barrels between sample runs.	Eliminates sample-to-sample cross-contamination, ensuring accurate trace element quantification and assay reliability.
Metallurgical & Slag Analysis	Removing sticky iron ore, coke, and gangue particulates from cylindrical grinding containers.	Prevents chemical contamination across alloy batches and preserves baseline purity in high-accuracy metallurgical testing.
Coal & Energy Testing	Decontaminating fine coal dust (80-200 mesh) clung to internal barrel walls post-pulverization.	Prevents ash content and volatile matter measurement discrepancies caused by retained sample carryover.
Cement & Building Materials	Cleaning embedded limestone, gypsum, and raw clinker powder coatings inside grinding cylinders.	Maintains exact internal container volumes and consistent abrasive friction conditions for standardized grindability testing.
Chemical & Mineral Research	Automated sanitation of custom laboratory synthesis barrels and ceramic grinding vessels.	Reduces manual laboratory labor, standardizes cleaning cycle times, and upholds cleanroom powder handling procedures.

Technical Parameter	Specification Value / Detail
Model Identifier	KT-BMC
Applicable Cylinder Diameters	Φ108 mm, Φ127 mm, Φ144 mm
Compatible Cylinder Depth	200 mm ~ 240 mm
Feed Powder Granularity	80 ~ 200 mesh
Brush Roller Diameter	φ140 mm
Brush Roller Length	220 mm
Brush Roller Rotation Speed	31 r/min
Machine Rotation Speed	115 r/min
Input Electrical Supply	220 V / 60 Hz
Integrated Blower Model	KMS-101
Blower Motor Power	1000 W