

# Multi-Deck Roller Jar Mill

**Reliable Construction:** Made from M.S. body with a powder-coated finish for durability and long-lasting use.

**Multi-Tier Arrangement:** Supports simultaneous operation of multiple jars to maximize efficiency.

**Adjustable Rollers:** Accommodates jar sizes ranging from 2" to 10" in diameter. Made with high-quality neoprene or polyurethane coating for superior resistance to wear and chemicals.

**Continuous Operation:** Designed for 200 hours of unmanned, continuous operation with smooth, reliable performance.

**No Cross Contamination:** Designed to ensure no contamination between sample batches.

**Powerful Drive System:** Features a sealed ball-bearing roller chain drive, allowing speeds from 30 to 300 rpm with variable frequency drive (VFD)



Multideck Two Tier Jar Mill  
(Polyuruthene Rollers)



Multideck Two Tier Jar Mill  
(Polyuruthene)

Feature	Details
Construction	M.S. body with powder-coated finish for durability and protection
Arrangement	Multi-Tier system for simultaneous operation
Roller Coating Options	Neoprene or Polyurethane-coated rollers for superior resistance to chemicals and wear
Motor Capacity	1.0 HP, 415V AC, 50 Hz
Speed Control	Variable speed (30–300 RPM) via VFD
Jars	Up to 4 porcelain jars, with options for Alumina, SS, Zirconia, Tungsten Carbide, and Plastic
Grinding Media	Options for SS, Zirconia, Polymer, Tungsten Carbide, and Alumina grinding balls
Timer and Programmable	Programmable forward/reverse operation with timing options from 1 minute to 200 hours
Automation	PLC control with HMI interface and touch screen for easy programming and operation monitoring
Dimensions	Approx. 1500 (L) x 500 (W) x 1000 (H) mm
Power Supply	415V AC, 50Hz
Control System	PLC, HMI, VFD for precise control over operation parameters

## Optional Customization:

**Tiers:** Choose from Single, Two, or Three-tier configurations to suit your production needs.

**Soundproofing:** Available option to reduce noise levels during operation for a quieter workspace.

**Roller Coating:** Select from Neoprene or Polyurethane coatings for the rollers, ensuring durability and chemical resistance.

**Jar Options:** Available jars include Alumina, Stainless Steel (SS), Zirconia, Tungsten Carbide, Plastic, and Porcelain in sizes from 100ml to 100L.

**Grinding Balls:** Choose from Stainless Steel (SS), Zirconia, Polymer, Tungsten Carbide, or Alumina grinding media for optimal performance.



Multideck Three Tier Jar Mill  
(Neoprene)

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## Automation System Highlights:

**Programmable Logic Controller (PLC):** Provides intelligent control and automation, allowing easy programming of operation cycles and parameters.

**Human-Machine Interface (HMI):** 7" touchscreen interface for intuitive operation, with control over program settings, including forward/reverse timings, speed, and total run time.

**Variable Frequency Drive (VFD):** Allows adjustable speeds from 30 to 300 RPM for precise grinding or mixing operations.



Multideck Three Tier Jar Mill  
(Neoprene)

## Applications:

The Multi-Deck Roller Pot Mill is perfect for:

- Ceramic slurry preparation
- Mineral processing
- Chemical mixing and grinding
- Paint and pigment production
- Research and development laboratories



Multideck Two Tier Jar Mill  
(Soundproof Model)



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