



Digital Mortar Mixer – NG-DMM

Standards: [EN 196-1](#), [EN ISO 679](#), [EN 196-3](#), [ASTM C305](#),
[AASHTO T 162](#)



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Description

The **NG-DMM Digital Mortar Mixer** is a fully automatic, high-performance system designed for the precise mixing of cement, sand, water, and additives in laboratories and quality control environments. With a 5 L stainless steel bowl, programmable cycles, and a 7-inch LCD touchscreen, it offers consistent and repeatable results for cement mortar strength testing, lime reactivity analysis, and soil stabilization mix preparation.

This mixer complies with [ASTM C305](#), [EN 196-1](#), [EN 196-3](#), [ISO 679](#), and [AASHTO T 162](#), ensuring superior mortar consistency and performance. Its planetary and rotational mixing action, electric lifting mechanism, and built-in safety features make it ideal for intensive use in cement testing labs and construction material research.

For a deeper look into how the NG-DMM can optimize your lab's mixing process, read our blog post on this advanced mortar mixer.



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Key Features of the NG-DMM Digital Mortar Mixer

The NG-DMM Digital Mortar Mixer is designed with advanced features to support accurate, efficient, and repeatable cement mortar preparation for laboratory and quality control applications:

- **Fully automatic mixing process** with programmable control for maximum repeatability
- **7-inch LCD touchscreen interface** offering intuitive navigation and real-time mixing feedback
- **Electric lifting system** powered by a motor-driven stepper mechanism for smooth bowl elevation
- **Pre-set mixing cycles** with the flexibility for custom programming to match specific testing standards
- **High-precision 304 stainless steel mixing blade and 5 L (1.32 gal) bowl** for long-lasting durability and cleanliness
- **Stainless steel funnel and plug-lock blade attachment** system for secure and efficient setup
- **Acrylic safety cover and interlocked door** to protect operators during operation
- **Integrated cleaning cycle** with countdown timer and optional voice prompts for easy maintenance
- **Planetary and rotational dual-motion mixing system** for uniform, high-quality blends every time

This set of optimized features makes the NG-DMM ideal for a range of demanding cement mortar testing and construction material mixing needs.



Technical Specifications of the NG-DMM

Specification	Details
Model	NG-DMM – Digital Mortar Mixer
Capacity	5 L (1.32 gal)
Power Supply	AC 220V, 50/60 Hz, 270 W (0.5 HP)
Touchscreen Interface	7-inch LCD display
Mixing Speeds	Low: 140 ±1 RPM (rotation), 62 ±1 RPM (revolution) High: 285 ±2 RPM (rotation), 125 ±1 RPM (revolution)
Drive System	Closed-loop servo motor, adjustable from 1 to 260 RPM
Lifting Mechanism	Electric, stepper motor controlled
Mixing Blade	304 stainless steel, plug-lock pin structure
Mixing Bowl	304 stainless steel, 5 L (1.32 gal), Ø 200 ±2 mm, blade clearance: 3 ±1 mm
Safety Features	Acrylic dust cover, safety interlock system, built-in safety door
Overall Dimensions	21 in × 17 in × 31.5 in (530 mm × 430 mm × 800 mm)
Net Weight	165 lbs (75 kg)

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