

SIEVE SHAKER

Introducing the Vector Analytical Sieve Shaker

Experience the pinnacle of precision and efficiency with Vector's Analytical Sieve Shaker, designed for research & development, quality control of raw materials, and production monitoring. Our sieve shaker stands out with its advanced features and robust design, ensuring reliable and accurate sieving results for both dry and wet samples.



VTR-104I



Vector Sieve Shaker

Optimized Vibratory Action for Accurate and Efficient Sieving

Key Features

Our sieve shaker is equipped with a dynamic power source that delivers the right vibration to the sieves and sample for fast, accurate, and reproducible tests. The fixed vertical movement ensures maximum sample contact with the sieve surface, while the unique vibratory action helps keep apertures clear and free from binding.

Choose Vector's Analytical Sieve Shaker for a reliable, efficient, and precise sieving experience. Perfect for laboratories and industries aiming for excellence in material analysis and quality control.

- **Versatile Sieving:** Supports both dry and wet sieving, suitable for diverse material analysis applications.
- **3-Dimensional Motion:** Innovative throwing motion maximizes sample distribution for precise and repeatable results.
- **Multiple Fractions:** Capable of separating up to 13 fractions in a single operation for enhanced productivity.
- **High-Efficiency Electromagnetic Drive:** Ensures sharp fractions and fast sieving times with consistent vibration control.
- **Digital Process Control:** Adjustable time, amplitude, sieve acceleration, and interval settings for precise operation.
- **User-Friendly Clamping System:** Quick and secure sieve fastening without over-tightening for easy replacement.
- **ISO 9001 Compliance:** Meets international quality standards for measuring equipment in laboratory applications.
- **Maintenance-Free Design:** Built with non-corrodible, non-metallic springs, eliminating the need for routine maintenance.
- **Durable Construction:** Engineered to handle heavy samples without compromising performance.
- **Programmable Timer:** Adjustable up to 60 minutes for automated, controlled testing.

Industries

- **Construction and Building Materials:** Particle size distribution analysis for cement, sand, and aggregates.
- **Pharmaceuticals:** Granule and powder analysis for drug formulation and quality assurance.
- **Food and Agriculture:** Sieving of grains, flour, and other food products for quality control.
- **Mining and Geology:** Particle classification of minerals, ores, and geological samples.
- **Chemical Industry:** Powder characterization for production consistency and process control.

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TECHNICAL SPECIFICATION

Specification	Details
Model	Vector Analytical Sieve Shaker
Application	Dry and wet sieving
Drive Type	Electromagnetic
Motion	3-dimensional throwing motion
Sieve Size Compatibility	400 mm and 450 mm
Maximum Number of Fractions	Up to 13 fractions in one sieving operation
Process Parameters Adjustment	Digital (time, amplitude, sieve acceleration, interval)
Compliance	ISO 9001
Maintenance	Maintenance-free
Clamping Device	Efficient, non-over-tightening, quick removal/replacement
Timer	Up to 60 minutes
Handling of Heavy Samples	Yes
Dynamic Power Source	Ensures appropriate vibration for accurate tests
Vertical Movement	Fixed for maximum sample contact
Vibratory Action	Keeps apertures clear and free from binding
Construction	Non-corrodible, non-metallic springs, robust design
User Interface	Easy operation, ergonomic design