



Innovation Empowers Sample Preparation,
Intelligence Achieves Simplicity



AF100S Vibratory Sieve Shaker



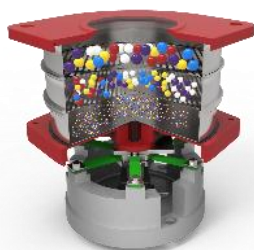
蚂蚁源科学仪器（北京）有限公司
ANTS SCIENTIFIC INSTRUMENTS (BEIJING) CO., LTD.

AF100S Vibratory Sieve Shaker

The AF100S Oscillating Sieving Instrument is designed for sifting powdered, loose, and suspended materials. Its three-dimensional vibrating filtration distinguishes it from other domestic types with both horizontal and up-and-down vibratory movements. The instrument performs dry and wet sieving, which enhances the sample sieving diversity. The device's convenient cover fastening mechanism significantly improves sieving efficiency. With a selection of sieve diameters including 100mm, 200mm, and 300mm, customers can choose the number of samples to sieve, achieving multi-machine functionality in one. The operation panel is user-friendly, with simple adjustments for amplitude and interval time, making it suitable to sieve various samples.



Working Principle



The AF100S's three-dimensional throwing motion generates a driving force through its electromagnetic drive, resulting in uniform distribution of the sieved samples on the screen surface. The sifter can handle multiple sieves simultaneously, grading the samples in a top-to-bottom fashion. Under the sifter's three-dimensional oscillation, samples smaller than the sieve aperture will fall sequentially, and the finest ones will be collected in the plate. Each sieve will contain samples of the corresponding size, resulting in the overall grading of the samples.

Performance Advantages

- ◎ 3-D throwing motion
- ◎ 100, 150, 200, and 300 mm diameter analytical sieves can be accommodated.
- ◎ Measuring range: 20um-40mm
- ◎ Sieve up to a sample size of 6 kg.
- ◎ Both dry and wet sieving are suitable for classification of various samples.
- ◎ Large LCD touchscreen with digitally adjustable vibration amplitude and running time for easy operation.
- ◎ Comfort fasteners for efficient locking and unlocking of analyzer sieves.
- ◎ 9 parameter groups can be saved and intermittent mode can be utilized to increase instrument efficiency and standardize operation.



Application



Fertilizers



Chemicals



Seeds



Soils



washing
Powder

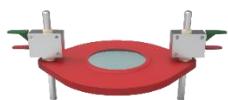


Metals
Powders

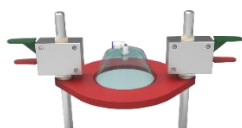


Construction
Materials

Optional Guide



Dry sieving lid



Wet sieving lid



Dry test sieves



Wet test sieves



Collecting pan



Collecting pan with outlet
For wet sieving

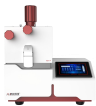
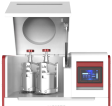
Technical Information

Technical parameter	VIBRATORY SIEVE SHAKERAF100S
Feed material	powders, bulk materials
Measuring range	20um~40mm
Max. batch / feed capacity	6kg
Max. number of fractions	9
Max. mass of sieve stack	10kg
Amplitude	0.2-3mm, digital
Time display	1-99min, digital
Interval operation	5s-99s, digital
Storable SOPs	9
Suitable sieve diameters	100/150/200/300mm
Analytical sieve material	Stainless steel, nylon
W x H x D	565mmX865mmX405mm
Net weight	50kg
Electrical parameters	220V 50Hz·200W



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Milling Series

 AM100S Vibratory Ball Mill	 AM200S Mortar Grinder	 AM300 Cutting Mill	 AM300S Cutting Mill	 AM350 Beater Mill	 AM360 Turbo Mill	 AM400S Planetary Ball Mill
 AM410 Planetary Ball Mill	 AM420 Planetary Ball Mill	 AM500S High Speed Rotary Mill	 AM600S Knife Mill	 AM700 Jaw Crusher	 AM710 Extrusion Crusher	 AM750S Bench Jaw Crusher
 AM800 Disc Mill	 AM800CC Disc Mill	 AM810 Disc Mill	 AM900 Vibratory Disc Mill	 AM950 Vibratory Disc Mill		

Assisting Series

 AF100S 3D Vibratory Sieve Shaker	 AF150 Horizontal Sieve Shaker	 AF200S Sample Automatic Divider	 AF300 Vibratory Feeder
 AF400 Rotating Tube Divider	 AF450 Rotating Sample Divider	 AF500 3D Sample Mixer	 AF510 3D Sample Mixer

Intelligent Series

 AISP1678 / AISP1700 Intelligence Soil Preparation System	
 ADVM1001 / ADVM1001CS Vacuum Microwave Drying Series	

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