



Automatic
Air Jet Sieve



AimSizer Scientific Ltd.



A Design Evolution

HMK-200e automatic air jet sieve provide cutting edge solutions for the particle size analysis

HMK-200e Automatic [Air Jet Sieve](#) is developed on basis of AimSizer's traditional HMK-200 Air Jet Sieve. It is a new generation of lab sieving machine. It gives operator a brand new experience in lab sieve analysis.

In addition to all the features of HMK-200, HMK-200e is equipped with advanced electronic parts including micro-control cell, touch panel, stepping motor and negative sensor etc.

Both repeatability and accuracy are greatly improved by applications of a series of world-leading functions such as automatic measurement, automatic negative pressure monitoring, open mesh sieving and automatic calculation.



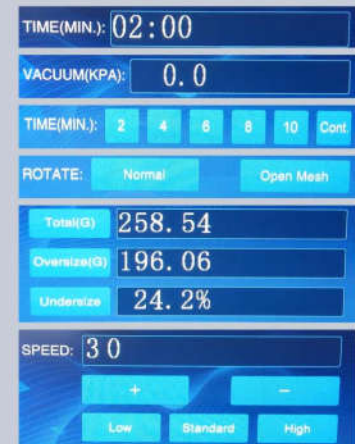
Complete Cutting Edge Solutions from the Industry Leaders



The **HMK-200e** Advantage

AimSizer

- Intelligent micro cell controls everything throughout the operations
- Real-time view and control all sieving process on a 7-inch wide touch panel
- Automatic calibration and real-time monitoring on negative air pressure
- Sieving time precisely controlled by SOP or continuous mode
- World-leading open mesh function is equipped with HMK-200e in order to prevent mesh block and greatly improves sieving efficiency and accuracy.
- RS-232 port connectable to electronic balance makes automatic calculation of test results possible.



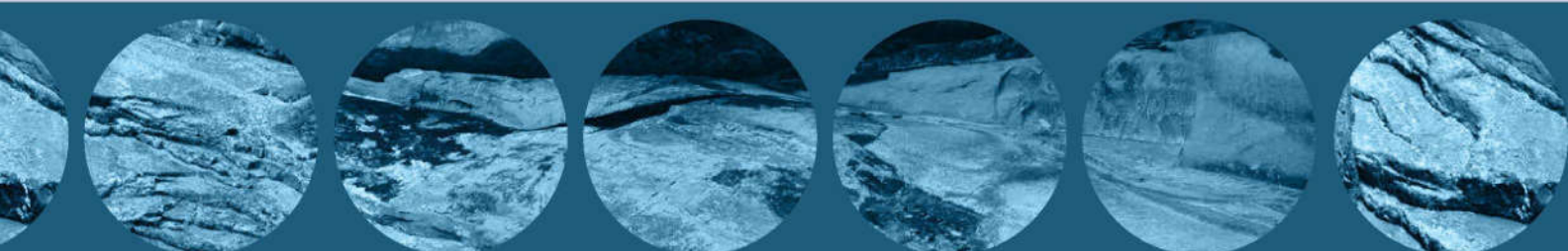


Optional Accessories

- Cyclone sample collector
- 200mm test sieve
- 75mm test sieve
- Vacuum cleaner
- Sample bottle 1000 mL
- Sample bottle 500 mL
- 75mm sieve nest
- Balance (RS232)



- More efficient than normal test sieve shaker
- De-agglomerate particles effectively
- Operating with international standard 200 mm standard test sieves
- Suits particles from as small as 5 μm up to 5,000 μm
- Save working time and footprint in laboratory
- Patented air nozzle generates turbine inside and clean tank simultaneously
- Rotating nozzle method replaces the traditional methods of vibrating or tapping thus eliminates the bad noise
- Accurate and reliable particle size analysis test results
- Silent vacuum system works with high performance
- Both 220V and 110V power available



Specifications that works for you

- Nozzle rotation: 35 rpm
- Nozzle type: 2mm slot, other gap can custom
- Sieving time: Continuous/SOP
- Dimensions: H58 x W35 x D35cm
- Power: 220V 50Hz(110V 60Hz available) 25W(host)
- Weight: 14.8Kg
- Sieving range: 5 to 5,000 micron
- Sample size: 0.1 to 2,000 grams
- Housing: Powder coated steel
- Screen receiver: Aluminium alloy/SS
- Nozzle: Aluminum alloy/SS
- Air pressure: adjustable from 0 to 10Kpa
- Sieve diameter: 200 mm (or custom)
- Phase: 1

Widely used **HMK-200e**

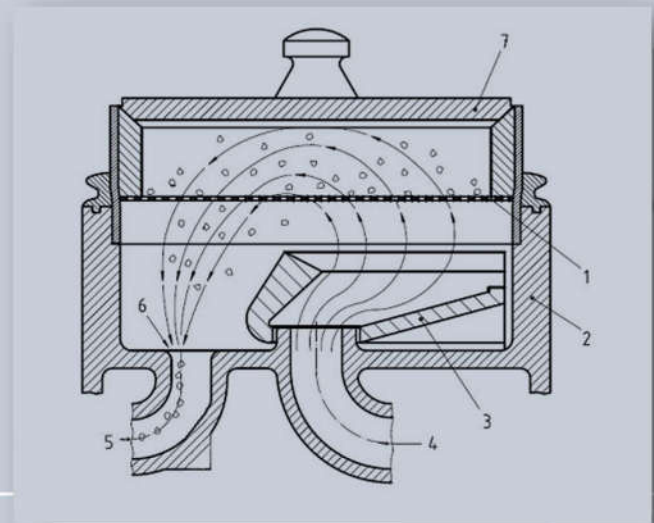
Cement,	Nutmeg,
Ceramics,	Pharmaceutical,
Chemical products ,	Pigments,
Cinnamon,	Plastics,
Cork,	Powder coating,
Cosmetics,	Rubber,
Dental ceramics,	Sandstone,
Face powder,	Soy flour,
Flour,	Sugar,
Food,	Tea,
Gypsum,	Toner,
Limestone,	Washing powder,
Minerals,	General industrial

HMK-200e Air Jet Sieve is an ideal solution for nearly all kinds of dry materials. Samples weigh down to 0.1 gram and up to 2,000 grams can be easily and quickly as well as accurately analyzed. The actual weight is subject to the sample density and sieve cloth mesh width.



Principle

1. Sieve
2. Casing
3. Rotating jet
4. Air inlet
5. To vacuum
6. Adjustable slot
7. Lid



HMK-200e working alone

HMK-200e uses a motor to drive a patented nozzle beneath a standard test sieve, at the same time a vacuum is started to work. Under both motion an air flow is generated from under the nozzle to the standard test sieve cloth, the particles are puffed off the test sieve cloth first then being drawn downward. Undersize particles pass through the standard test sieve and are collected at vacuum filter. Oversize particles remain on the surface of standard test sieve for further analysis. The test procedure is safe and environment--friendly.

HMK-200e working with HMK-20 Cyclone sample collector

- Put a bottle under cyclone sample collector
- Undersize particles are moved into HMK-20 by cyclone
- Especially designed to save sample and collect undersize



AimSizer

AimSizer is an expert in particle characterization methods. 20 years' development, research and production history strengthen us as leading place and enjoy a high reputation in the world particle characterization industry. We gather a team equipped with advanced technology and rich experience.



Fisher Sub-sieve Sizer



Rotary Sample Divider



Planetary Ball Mill



Tap Density Tester



Hall Flowmeter



Tablet Friability Tester

