

What to look for in a good sieve shaker



There are three essential characteristics to look for in a good test sieve shaker. It should generate an effective sieving action for tests to reach an ultimate end point. The end point should be reached in the shortest possible time. The results achieved should be reproducible.

The construction of the shaker is all important too if it is to provide a long trouble free life. One powered by an electromagnet has the distinct advantage of no mechanical parts that might need servicing or replacing.

3D Performance

Vertical vibration is generated by the on/off frequency of the electromagnet. However, vertical vibration is not enough to impart the correct movement for sieving. The shaker needs to twist the sieve stack - this rotating action ensures the sample passes over the full surface of the sieve and the maximum number of apertures to give rapid accurate results.



Other useful features that can increase performance, shorten sieving time or simply make life easy are, amplitude vibration control, continuous or intermittent vibration control, timer, correct and consistent clamping pressure, anti-vibration feet and a difficult one - low noise level.

At Endecotts we design and engineer our shakers around the key features listed above. We ensure that the design performance provides the optimum sieving action to the sieves to give rapid accurate results.

As manufacturers of test sieves we understand how sieves and shakers interrelate. This knowledge is built into every model. So too are the same skills and exacting engineering standards that have made Endecotts the finest test sieves in the world.

AVOIDING BLOCKED APERTURES

A feature of the sieving action is the rapid vertical movement imparted by the shaker. The movement is continuously helping to clear apertures and avoid them blinding.



EXTENSIVE CONTROL

A number of Endecotts shakers are fitted with a high degree of control over all shaker functions - a feature is extremely useful for many materials and in many industries.

UNIQUE CLAMPING

Endecotts shakers are fitted with a unique clamping device enabling the clamp plate to be fitted in seconds. It also ensures the clamp plate secures the sieves with consistent pressure to provide consistent results and longer sieve life.

ANTI-VIBRATION FEET
maintain optimum performance and avoid shaker 'walking'.

M100

Mini footprint - maxi performance

- Time & amplitude controls for optimum performance
- Quiet operation
- Compact
- Portable
- Maintenance free
- Easy to use
- Affordable



Suitable for
100 mm, 3"
diameter sieves

Sieves supplied separately

Minor M200

The low cost solution to fast easy sieving

- Quiet operation
- Compact
- Portable
- Maintenance free
- Easy to use
- Affordable



Suitable for
200 mm, 8" or
100 mm
diameter sieves

Sieves supplied separately

The low cost M100 is an excellent little laboratory shaker designed for 100 mm and 3" diameter sieves. It is robust, lightweight and provides the user with complete control over amplitude and vibration time.

Common with all Endecotts shakers the M100 imparts the optimum vibration movement to the sieves to ensure rapid and accurate results.

Fitted with an electromagnetic drive - the shaker is not only maintenance free but has no rotating parts to wear out. Another advantage of this type of drive is 'quiet operation'.

Simply load the sieve stack,

clamp into place. Set the 0 to 60 minute timer or select "I" for continuous sieving. Set the amplitude setting to the optimum level for the sample under test.

The M100 will accommodate up to three 100 mm, 3in or 4in diameter sieves plus a lid and receiver.

SPECIFICATIONS

Dimensions: 260 x 160 x 320 mm (D x W x H)
Lightweight: Weighs only 10kg
Accommodates: Up to 3 full height
100 mm, 4" or 3"
sieves
Timer: 0 to 60 min or continuous
Power: 230V 50Hz 80VA
115V 60Hz 60VA
Other voltages on request

The Minor M200 has been designed and manufactured to combine low cost with the benefits of a well designed and engineered shaker incorporating many features usually found only on larger more expensive models.

It is ideal for the laboratory or plant since it is compact and genuinely portable (weighing only 17kg). There are no rotating parts in the Minor M200 consequently it is quiet in operation and maintenance free. The sieve stack is held firmly in position between the location and clamp plates by poly fibre straps these allow the whole unit to be packed away in a space less than 200 mm high.

Simply set the 0 to 60 minute timer for a timed operation or select "I" for continuous sieving.

The vibrating action imparts a precise movement to the sieve stack ensuring efficient sieving and excellent repeatability.

The Minor is fitted with anti-vibration feet to ensure good stability.

SPECIFICATIONS

Compact: Only 250 mm diameter footprint
Height: 180 mm excl. sieve stack
Lightweight: Weighs only 17kg
Accommodates: Up to 8 full height
200 mm (8") sieves
Location for 100 mm sieves
Timer: 0 to 60 min or continuous
Power: 230V 50Hz 80VA
115V 60Hz 60VA
Other voltages on request