

MODERN & REVOLUTIONARY

What to look for in a good sieve shaker

One of the most important characteristics of a good sieve shaker is to deliver reliable and reproducible sieving results at any time. Furthermore it should reach an ultimate end point in the shortest sieving time possible in order to save valuable working hours.

In order to provide a long, trouble free life the construction of a sieve shaker is very important. An electromagnetic drive, for example, has the distinct advantage of no mechanical parts that might need servicing or replacing.

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

At Endecotts our sieve shakers are designed and engineered around the key features listed above, ensuring that the design performance provides the optimum sieving action to the sieves to give rapid accurate results.

As a manufacturer 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.

Our new line of laboratory and heavy duty sieve shakers:

precise & efficient,
easy to operate,
featuring a fresh look

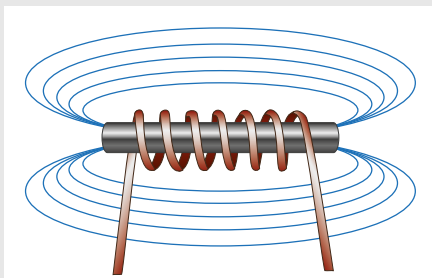


Laboratory

| | Air Sizer 200 | Minor 200 |
|-------------------------|------------------------------------|--|
| Range: | 20 µm - ~ 4 mm | 20 µm to 125 mm |
| Drive / sieving motion: | dispersion by air jet | electromagnetic |
| Amplitude / Speed: | 5 - 55 rpm (nozzle speed) | ~ 1.6 mm (depending on loading), fixed |
| Sieve diameter: | 203 mm / 8" premium air jet sieves | 100 mm / 200 mm, 3" / 8" |

Features

Electromagnetic Drive



An electromagnetic drive produces an ideal throwing motion that disperses material equally over the whole sieving surface. Furthermore it is virtually maintenance-free and extremely quiet in operation.

3D Performance



Vertical vibration is generated by the on/off frequency of the electromagnetic drive. However, vertical vibration is not enough to impart the correct movement for sieving. The shaker also 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

Avoiding blocked apertures



A feature of the 3D sieving action is the rapid vertical movement imparted by the shaker. The movement is continuously helping to clear apertures and avoid them blinding.



Laboratory

Heavy Duty

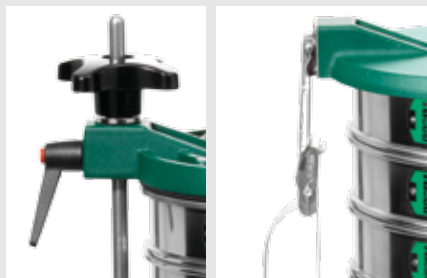
| Octagon 200 | Octagon 200CL | EFL 300 | Titan 450 |
|---------------------------------------|--|---|---|
| 20 µm to 125 mm | 20 µm to 125 mm | 20 µm to 40 mm | 20 µm to 125 mm |
| electromagnetic 3D | electromagnetic 3D | electromagnetic 3D | electromagnetic 3D |
| 0 - 3 mm, digital setting in 10 steps | 0 - 3 mm, digital setting in 0.1 mm steps, "Closed Loop" amplitude control | 0 - 2 mm, digital setting in 10 steps | 0 - 2 mm, digital setting in 10 steps |
| 100 mm / 200 mm, 3" / 8" | 100 mm / 200 mm, 3" / 8" | 100 / 150 / 200 / 203 / 250 / 300 / 315 mm, 3" / 8" / 12" | 250 / 300 / 315 / 350 / 400 / 450 mm, 12" / 18" |

Anti-Vibration Feet



Anti-Vibration Feet maintain optimum performance and avoid shaker 'walking'.

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.

Extensive Control



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

Minor 200

The Minor 200 has been developed and manufactured to combine low cost with the benefits of a well-designed and engineered shaker. It incorporates many features usually found only on larger, more expensive models.

It is ideal for the use in laboratories and plants since it is compact and genuinely portable (weighing only 16 kg). The sieve stack is held firmly in position by a clamping belt system. Removing it allows the whole unit to be stored in a space less than 200 mm high.

There are no rotating parts in the Minor 200 - consequently it is quiet in operation and maintenance free.



Advantages

- Electromagnetic drive for quiet and virtually maintenance free operation
- Compact & portable
- Requires only small storage space due to small footprint and easily removable clamping belt system (included)
- Easy to use
- Different voltages available
- Complies with the requirements of AASHTO T 27

| Specifications | Minor 200 |
|----------------------------|--|
| Range: | 20 µm to 125 mm |
| Drive / sieving motion | electromagnetic |
| Max. batch / feed capacity | 3 kg |
| Max. number of sieves | 8 full height / 16 half height (200 mm or 8" sieves) |
| Amplitude | ~ 1.6 mm*, fixed |
| Time display | analog, 0 - 60 min |
| Interval operation | - |
| Suitable for dry sieving | yes |
| Suitable for wet sieving | - |
| Serial interface | - |
| Sieve diameter | 100 / 200 mm, 3" / 8" |
| Max. height of sieve stack | - |
| Clamping device | clamping belt system (included) |
| Model | benchtop |
| Protection code | IP 20 |
| Electrical supply | different voltages available |
| Power connection | 1-phase |
| Ø x H | 262 x 126 mm |
| Net weight | ~ 16 kg |

* depending on loading

Octagon 200

The sieve shaker Octagon 200 is suitable for all sieving tasks in laboratories as well as onsite and provides optimum sieving action for fast and reproducible results.

It is robust, compact and sufficiently lightweight to be portable. Its electromagnetic drive combined with a 3D sieving motion ensures excellent separation efficiency in a short amount of time.

A digital display as well as a quick-release clamping system make operation very easy and straightforward.



Advantages

- Easy-to-use sieve clamping system
- Accepts up to 8 full height 200 mm or 8" diameter sieves
- Dry and wet sieving
- 10 amplitude settings & digital timer
- 3D sieving motion allows for high separation efficiency and non blinding sieving action
- Different voltages available
- No mechanical moving parts
- Compact & portable
- Complies with the requirements of AASHTO T 27

| Specifications | Octagon 200 |
|----------------------------|--|
| Range | 20 µm to 125 mm |
| Drive / sieving motion | electromagnetic 3D |
| Max. batch / feed capacity | 3 kg |
| Max. number of sieves | 8 full height / 16 half height (200 mm or 8" sieves) |
| Amplitude | 0 - 3 mm, digital setting in 10 steps |
| Time display | digital, 0:10-99:50 min:sec |
| Interval operation | yes (one mode) |
| Suitable for dry sieving | yes |
| Suitable for wet sieving | yes |
| Serial interface | - |
| Sieve diameter | 100 / 200 mm, 3" / 8" |
| Max. height of sieve stack | 450 mm |
| Clamping device | quick-release clamping system (included) |
| Model | benchtop |
| Protection code | IP 54 |
| Electrical supply | different voltages available |
| Power connection | 1 - phase |
| W x H x D | 418 x 232 x 435 mm |
| Net weight | ~ 35 kg |



WolfLabs

Pricing on any accessories shown can be found by keying the part number into the search box on our website.

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

www.wolflabs.co.uk

Tel : 01759 301142

Fax : 01759 301143

sales@wolflabs.co.uk

Please contact us if this literature doesn't answer all your questions.