

VIBRATORY SIEVE SHAKER AS 300 CONTROL



The **analytical sieve shaker** AS 300 control is used in research & development, quality control of raw materials, interim and finished products as well as in production monitoring. The **controllable electromagnetic drive** offers an optimal adaption for every product. **Sharp fractions** are obtained even after **short sieving times**. The AS 300 control is particularly designed for test sieves with a diameter of **305 mm (12")**. Compared to sieves with a diameter of 200 mm, a **2.25 times higher sieving surface** is available. Therefore, the **average sieving times can be greatly reduced** with the AS 300 control.

With its all-digital controls and calibration certificate the sieve shaker AS 300 control is indispensable for all users who attach **importance to precision and operational convenience** and need to comply with the guidelines of the **ISO 9001**.

APPLICATION EXAMPLES

cement clinker, chemicals, coffee, construction materials, fertilizers, fillers, flours, grains, metals powders, minerals, nuts, plastics, sand, seeds, soils, washing powder, ...

PRODUCT ADVANTAGES

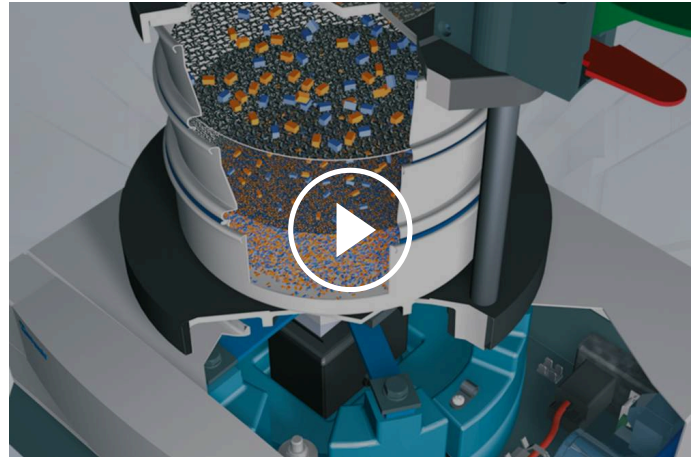
- | NEW: up to 99 sieving programs
- | NEW: low noise operation thanks to optimized control
- | NEW: USB connection for use of EasySieve software
- | suitable for dry and wet sieving
- | excellent separation efficiency even with short sieving times
- | efficient electromagnetic drive
- | 3-D throwing motion which ensures optimum use of the open sieve area and lets the sample move equally over the whole sieving surface
- | setting of sieve acceleration "g" for comparable and reproducible sieving results worldwide
- | sieve stack up to 510 mm height
- | free digital adjustment of all process parameters (time, amplitude or sieve acceleration, interval)
- | interval operation
- | optional sieve software EasySieve for control of the shaker, easy evaluation and documentation of results
- | fulfils all criteria for measuring equipment related to ISO 9001
- | calibration certificate
- | easy operation (clamping), ergonomic design
- | maintenance-free
- | dry and wet sieving in one model

FEATURES

Applications	separation, fractioning, particle size determination
Field of application	agriculture, biology, chemistry / plastics, construction materials, engineering / electronics, environment / recycling, food, geology / metallurgy, glass / ceramics, medicine / pharmaceuticals
Feed material	powders, bulk materials, suspensions
Measuring range*	20 µm - 40 mm
Sieving motion	throwing motion with angular momentum
Max. batch / feed capacity	6 kg
Max. number of fractions	11 / 17
Max. mass of sieve stack	10 kg
Amplitude	digital, 0.2 - > 2.20 mm
Controlled amplitude	yes
Sieve acceleration	1.0 - > 10.0 g
Time display	digital, 1 - 99 min
Interval operation	1 - 99 s
Storable SOPs	99
Suitable for dry sieving	yes
Suitable for wet sieving	yes
Serial interface	yes
Including test certificate / can be calibrated	yes
Suitable sieve diameters	100 mm / 150 mm / 200 mm / 203 mm (8") / 305 mm / 315 mm
Max. height of sieve stack	510 mm
Clamping devices	"standard", "comfort", each for wet and dry sieving
Protection code	IP 54 / IP 20
Electrical supply data	100-240 V, 50/60 Hz
Power connection	1-phase
W x H x D	417 x 220 x 384 mm
Net weight	~ 42 kg
Standards	CE

FUNCTION PRINCIPLE

The AS 300 works with an electromagnetic drive that is patented by RETSCH (EP 0642844). This drive produces a 3D throwing motion that moves the product to be sieved equally over the whole sieving surface. The advantage: high stress capacity, extremely smooth operation and short sieving times with high separation efficiency.



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www.retsch.com/as300control