

AS 400 control – Sieving on One Level

The **RETSCH AS 400 control** is used for sieving dry goods with test sieves up to 400 mm in diameter. The uniform, horizontal circular sieving motion produces a sharp separation of the sample fractions. Fine and coarse-grained goods from areas such as milling, brewing, chemical industry, quarries, soil testing, woodworking and plastics industry, can be exactly separated with the AS 400 control. This particular sieving motion is preferably used for long or fibrous, needle-shaped or flat materials due to their horizontal orientation. For the testing of plastics (grainy molding materials), the standard **DIN 53 477** stipulates exactly this circular sieving motion.

The AS 400 control can be used as test instrument for the quality control according to DIN EN ISO 9000 ff. Due to the controlled drive which is independent of the power frequency the AS 400 control yields reproducible results worldwide. The speed and sieving time are set, displayed and monitored digitally. The instrument is supplied with a test certificate and can be recalibrated.

If desired, the rotation direction can be set to alternate in the interval. A memory for 9 sieving programs facilitates routine analyses. The AS 400 control has an integrated interface for controlling all sieving parameters via the EasySieve® software.

The AS 400 control is a robust device, which meets highest requirements due to its superior technology. The base plate can take very high loads due to 4 eccentric guides. With the option to install clamping devices for sieves with diameters from 100 mm to 400 mm (4" to 16") the AS 400 is suitable for a wide range of applications. With the proven clamping device "comfort" the sieve stack can be fastened conveniently with two simple steps. For occasional sieving processes we recommend the inexpensive clamp "standard".

The clamping devices of AS 200 and AS 300 can be used with the AS 400 for clamping sieve stacks with diameters of 100 mm, 150 mm, 200/203 mm and 305/315 mm.



Horizontal Sieve Shaker AS 400 control with clamping device "comfort" and sieve stack

Benefits

- Circular sieving motion according to DIN 53477
- For sieves up to 400 mm Ø
- Measuring range 45 µm to 63 mm
- Easy operation, ergonomic design
- Free digital selection of process parameters (time, speed, interval)
- Memory for 9 Standard Operating Procedures (SOPs)
- Test materials monitoring according to DIN EN ISO 9000 ff

Video on www.retsch.com/as400

Accessories and Options

- Clamping devices
- Test sieves
- Sieving aids
- IQ/OQ documentation
- Software EasySieve®
- Sample dividers
- Ultrasonic baths and dryers



IQ/OQ documentation and sieving aids for AS 400

AS 400 at a Glance

Horizontal Sieve Shaker



Model AS 400 control

Applications	fractioning, particle size determination
Feed material	powders, bulk materials

Performance data

Measuring range*	45 µm – 63 mm
Max. batch / feed capacity	5 kg
Max. number of fractions**	7/9/17
Max. mass of sieve stack	15 kg
Adjustment of sieving parameters	
Speed	digital, 50 – 300 min ⁻¹
Time	digital, 1 – 99 min
Interval operation	1 – 10 min
Storable Standard Operating Procedures (SOPs)	9
Sieving motion	horizontal circular motion
Suitable for wet sieving	-
Serial interface	✓
Including test certificate / can be calibrated	✓

Technical data

Suitable sieve diameters	100 mm – 400 mm
Height of sieve stack	up to 450 mm
W x H x D	540 x 260 x 507 mm
Net weight	approx. 70 kg
More information on	www.retsch.com/as400

* depending on feed material and used sieve set

** depending on the used sieve heights

Typical Sample Materials

The horizontal circular sieving motion of the AS 400 control is perfectly suitable for the separation of materials such as construction materials, wood chips, compost, flour, milled grain, grainy molding materials, seeds and many more.



Wood chips



Flour