

# NEW

**Retsch**<sup>®</sup>  
Solutions in Milling & Sieving

## Sieve Shaker AS 450

### BENEFITS

- Sieving with 3D effect
- Suitable for dry and wet sieving
- Measurement range 25 µm to 125 mm
- Sieve stack up to 940 mm height, Ø 400 / 450 mm
- High sieve loads (up to 20 kg)
- Excellent separation efficiency even with short sieving times
- Electromagnetic drive for high loads
- Digital parameter setting with controlled amplitude
- Mobile operation panel for comfortable handling
- Automated evaluation with software EasySieve<sup>®</sup> possible

**THE ONLY 450 MM SIEVE  
SHAKER THAT REALLY ROCKS!**



**EXCELLENT SEPARATION  
EFFICIENCY**



# AS 450

## Performance data

## AS 450

Applications	separation, fractioning, particle size determination
Feed material	powders, bulk materials, suspensions
Measuring range*	25 µm to 125 mm
Max. batch / feed capacity	20 kg
Max. number of fractions**	11 / 14
Max. mass of sieve stack	50 kg
Adjustment of sieving parameters	
Amplitude	digital, 0.2 - 2.2 mm
Time	digital, 1 - 99 min
Interval operation	10 - 99 s
Memory for 9 sieving programs	yes
Suitable for sieving of wet products	yes
Serial interface	yes
Motion of product to be sieved	throwing motion with angular momentum

## Technical data

Suitable sieve diameters	400 mm / 450 mm (18")
Height of sieve stack	up to 940 mm
W x H x D	714 x 435 x 629 mm
Net weight	approx. 220 kg

\*depending on feed material and used sieve set

\*\*depending on the used sieve sizes

## Order data

### Sieve Shaker AS 450

### Item No.

AS 450 (for test sieves 400/450 mm)

(Please order clamping device, test sieves and collecting pan separately)

AS 450 for 230 V, 50/60 Hz 30.026.0001

Other electrical versions available for the same price

### Clamping devices AS 450

Clamping device	„standard“	for test sieves 400/450 mm Ø	32.662.0015
Clamping device	„comfort“	for test sieves 400/450 mm Ø	32.662.0016
Wet sieving clamping device	„standard“	for test sieves 400/450 mm Ø	32.662.0017
Wet sieving clamping device	„comfort“	for test sieves 400/450 mm Ø	32.662.0018

For additional accessories as test sieves, collecting pans, sieving aids etc. please refer to our price list.



## 3D sieving for heavy loads

With the analytical sieve shaker AS 450 RETSCH have designed their first sieve for 400 mm and 450 mm sieves which operates with a three-dimensional sieving motion. It can be used for dry and wet sieving. **The optimized electromagnetic drive allows for an amplitude up to 2.2 mm which renders the separation process much more effective than with other sieve shakers of this type.** Reproducibility plays an important role: The amplitude - which is independent of the sieve load - is continually adjusted. The three-dimensional sieving motion lets the sample material move equally over the complete sieving surface. This results in **high load capacity, extremely smooth operation and short sieving times with high separation efficiency.**

When it comes to operating comfort, the AS 450 meets all the requirements of a modern laboratory. All parameters such as amplitude, time and interval are digitally set, displayed and controlled. It is possible to store up to 9 parameter combinations for routine tasks.

# Retsch®

### Retsch GmbH

Rheinische Straße 36  
42781 Haan, Germany

Telephone +49 21 29 / 55 61 - 0

Telefax +49 21 29 / 87 02

E-mail [info@retsch.com](mailto:info@retsch.com)

Internet [www.retsch.com](http://www.retsch.com)

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RETSCH – Your specialist for sample preparation offers you a comprehensive range of equipment. Please request information on our crushers, mills, sieve shakers, sample dividers, feeders as well as cleaning and drying machines.