

# TAP SIEVE SHAKER AS 200 TAP



The **analytical sieve shaker** AS 200 tap is used in research & development, quality control of raw materials, interim and finished products as well as in production monitoring. Its tapping motion supports the **sieve analysis of certain products** such as activated carbon, abrasives, metal powder, spices and diamonds, **as specified in the corresponding standards.**

## APPLICATION EXAMPLES

abrasives, cement, charcoal, coal, diamonds, spices, ...

## PRODUCT ADVANTAGES

- | horizontal circular sieving motion with vertical taps
- | maintenance-free
- | suitable for dry sieving
- | excellent separation efficiency even with short sieving times
- | sieve stack up to 350 mm height
- | digital time setting
- | easy operation, ergonomic design
- | incl. software EasySieve for control through RS232 serial interface, easy evaluation and documentation of results
- | fulfils all criteria for measuring equipment related to ISO 9001

## FEATURES

<b>Applications</b>	separation, fractioning, particle size determination
<b>Field of application</b>	agriculture, biology, chemistry / plastics, construction materials, engineering / electronics, environment / recycling, food, geology / metallurgy, glass / ceramics, medicine / pharmaceuticals
<b>Feed material</b>	powders, bulk materials
<b>Measuring range*</b>	20 µm - 25 mm
<b>Sieving motion</b>	horizontal circular motion with taps
<b>Max. batch / feed capacity</b>	3 kg
<b>Max. number of fractions</b>	7 / 13
<b>Max. mass of sieve stack</b>	6 kg
<b>Speed</b>	280 min <sup>-1</sup>
<b>No. of taps</b>	150 min <sup>-1</sup>
<b>Time display</b>	digital, 1 - 99 min
<b>Suitable for dry sieving</b>	yes
<b>Suitable for wet sieving</b>	-
<b>Serial interface</b>	yes
<b>Including test certificate / can be calibrated</b>	-
<b>Suitable sieve diameters</b>	200 mm / 203 mm (8")
<b>Max. height of sieve stack</b>	380 mm
<b>Protection code</b>	IP 50
<b>Electrical supply data</b>	different voltages
<b>Power connection</b>	1-phase
<b>Power consumption</b>	180 W
<b>W x H x D</b>	700 x 640 x 450 mm / with sound enclosure cabinet: 700 x 670 x 520 mm
<b>Net weight</b>	~ 68 kg / with sound enclosure cabinet: ~ 92 kg

## FUNCTION PRINCIPLE

In the AS 200 tap, mechanical action is applied to the test sieves in two dimensions. In addition to a horizontal circular motion with 280 oscillations, a vertical tapping motion with 150 taps per minute helps the particles to pass the sieve apertures. This combination of sieving motions simulates hand sieving. The number of oscillations and taps is independent of the power frequency which makes the sieving results of the AS 200 tap comparable world wide.

[www.retsch.com/as200tap](http://www.retsch.com/as200tap)