

# HORIZONTAL SIEVE SHAKER AS 400 CONTROL



The **analytical sieve shaker** AS 400 control is used in research & development, quality control of raw materials, interim and finished products as well as in production monitoring.

The AS 400 control is used for the sieving of dry goods with test sieves of a **diameter up to 400 mm**. In this, the **uniform, horizontal circular motion** ensures **exact separation of fine and coarse-grained products**.

With its all-digital controls and calibration certificate the AS 400 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

construction materials, ground corn, plastics, sand, splints

## PRODUCT ADVANTAGES

- | sieving with circular sieving motion according to DIN 53477
- | excellent separation efficiency even with short sieving times
- | sieve stack up to 510 mm height
- | free digital adjustment of all process parameters (time, speed or sieve acceleration, interval)
- | memory for up to 9 SOPs
- | interval operation
- | optional software EasySieve for control through RS232 serial interface, easy evaluation and documentation of results
- | fulfils all criteria for measuring equipment related to ISO 9001
- | maintenance-free
- | easy operation, ergonomic design

## 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>	45 µm - 63 mm
<b>Sieving motion</b>	horizontal circular motion
<b>Max. batch / feed capacity</b>	5 kg
<b>Max. number of fractions</b>	7 / 9 / 17
<b>Max. mass of sieve stack</b>	15 kg
<b>Speed</b>	digital, 50 - 300 min <sup>-1</sup>
<b>Time display</b>	digital, 1 - 99 min
<b>Interval operation</b>	1 - 10 min
<b>Storable SOPs</b>	9
<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>	yes
<b>Suitable sieve diameters</b>	100 mm / 150 mm / 200 mm / 203 mm (8") / 305 mm / 315 mm / 400 mm
<b>Max. height of sieve stack</b>	510 mm
<b>Clamping devices</b>	"standard", "comfort", each for dry sieving
<b>Protection code</b>	IP 54 / IP 20
<b>Electrical supply data</b>	100-240 V, 50/60 Hz
<b>Power connection</b>	1-phase
<b>W x H x D</b>	540 x 260 x 507 mm
<b>Net weight</b>	~ 70 kg
<b>Standards</b>	CE

## FUNCTION PRINCIPLE

The base plate of the AS 400 control performs horizontal circular motions with a radius of 15 mm (according to DIN 53477). The speed of 50 to 300 rpm is electronically controlled. It is continuously adjustable to meet the requirements of the product to be sieved. The actual value of the number of revolutions is digitally displayed. The base plate is driven by a robust, maintenance-free drive motor with a power of 125 Watt. The power is transmitted via an eccentric.



[www.retsch.com/as400control](http://www.retsch.com/as400control)