

Sieving Machine

AS 200 series:

Analytical sieve shakers are used in research & development, quality control of raw materials, interim and finished products as well as in production monitoring. The three-stage series AS 200 enables each user to select the suitable instrument according to his individual requirements and budget. The AS 300 is designed for larger feed quantities (pls. ask for further informations). All “control” models are suitable as measuring instrument according to DIN EN ISO 9000.

All sieve shakers of the series AS 200 and AS 300 work with an electromagnetic drive that is patented (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.

Features:

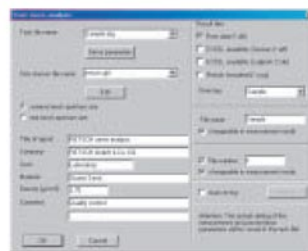
- Sieving with 3D effect
- For sieves up to 203 mm (8") Ø
- Measuring range 20 µm to 25 mm
- Available in 3 models
- Up-to-date, modern and ergonomic design
- Easy operation, ergonomic design
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- 2-year warranty, conforms with CE standards
- Software available



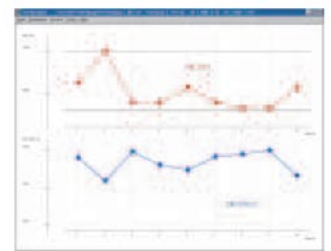
Options:

EasySieve®, the software for particle size analyses, exceeds manual evaluation in many aspects, due to the fact that the software is able to automatically perform the necessary measurement and weighing procedures – from the registration of the weight of the sieve up to the evaluation of the data. It is more simple and more comfortable to use than ever before, and, to put it simply, “easy”.

Due to the logical design of the software it is easier for the user to get started with the program. The program leads the user through the process step by step. Moreover, the abundance of evaluation possibilities allows for absolute flexibility with regard to adjustment to demanding and individual tasks.



Parameter entry



Trend analysis of production procedures

Technical data:

Performance data

	AS 200 basic	AS 200 digit	AS 200 control
Application	separation, fractioning, particle size determination		
Feed material	powders, bulk materials, suspensions		
Measuring range *)	20 µm to 25 mm		
Max. batch / feed capacity (kg)	3		
Max. number of fraction **)	9/17		
Max. mass of sieve stack	4	4	6
Adjustment of sieving parameters			
Amplitude / rpm (AS 400)	analogue	analogue	digital
Adjustment range (mm)	0 ... 3	0 ... 3 mm	0.2 ... 3 mm
Sieve acceleration (g)	-	-	1.0 - 15.1
Time display	analogue	digital	digital
Adjustment range (min.)	1 ... 60	1 ... 99	1 ... 99
Interval operation	-	yes	yes
Adjustment range (s)	-	10 (fixed)	10 ... 99
Vibration height	manual	manual	controlled
Motion of product to be sieved	throwing motion with angular momentum		
Suitable for sieving of dry products	yes	yes	yes
Suitable for sieving of wet products	yes	yes	yes
Serial interface	-	-	yes
Including test certificate / can be calibrated	-	-	yes

*) depending on feed material and used sieve set **) depending on the used sieve sizes

Technical data

Suitable sieve diameter (mm)	100 / 150 / 200 / 203 (8")
Height of sieve stack	up to approx. 450 mm
Dimension (WxHxD) (mm)	400 x 230 x 350
Net weight (kg)	approx. 30
Power supply (V/Hz)	230 V-50/60 Hz or 120 V/60 Hz or 100-240 V-50/60 Hz (only control)