Infitek

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SIEVE SHAKER

Sieve Shaker

SIV-G2000

Description

The sieve shaker is used to batch sieve the solid particle or powder samples. Its electromagnetic drive system guarantees the result is achieved not only in a very short time but also accurate and repeatable. It can perform dry sieving and wet sieving for samples and most parameters can be digital preset. It is maintenance free and operation is very quiet.

Working Principle

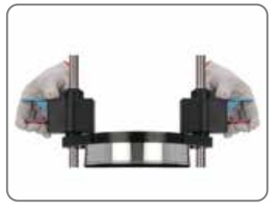
The electromagnetic drive system is used to generate three-dimensional motion to throw the sample, so that the sample is evenly distributed on the whole sieve. Intermittent vibration can improve sieving effects and guarantee sieving holes are free from blocking.

Application

- Suitable for inorganic and organic compounds including sand, rock, clay, granite, feldspar, coal, soil, grain, seeds and various solid particles.

Partial picture






Features

- Dry, wet sieving.
- Low noise, maintenance-free.Intermittent mode available.
- Sieving with 3D motion, high accuracy.
- Reliable, repeatable and high efficient sieving result.
- LED 5-inch touch screen, intelligent control, convenient operation.
- Digital setting, all sieving parameters can be preset, simple operation.
- It can be connected to the computer and controlled by the screening software to perform data processing and analysis, screening evaluation.

Specification

Model	SIV-G2000
Measuring Range	20μm~25mm
Amplitude Adjustment Range	0.2~3.0mm
Time Setting	01~99min
Interval Operation Adjustment Range	00~99s
Drive /Sieving Mode	Electromagnetic drive
Max. Number of Fractions	9
Sieve Diameters	100/150/200/203mm(8")
Storable Parameter Combinations	20
Max. Feed Capacity	3kg
Rated Power	400W
Electricity	220V, 50/60Hz
External Dimension (W*D*H)	400*480*240mm
Package Dimension (W*D*H)	660*660*540mm
Net Weight	43kg

Sieve Shaker

TS-200

Application

It is widely used in scientific research institutions, laboratories, test laboratories and production control in food, medicine, chemical industry, abrasive, pigment, mining, metallurgy, geology, ceramics, national defense and other industries. It can be used for inspection, screening, grading, particle size analysis, and foreign matter content analysis of solid, powder, slurry and other materials.

Function and principle

This series of sieve shakers use vibration motors as vibration sources. The vibration of the vibration motor drives the vibration of the sieve shaker base, which is then transmitted to the standard test sieve installed on the base. The material particles smaller than the mesh of the test sieve are screened into the lower test sieve. The screening is repeated layer by layer, so that only materials of the same particle size are left in each layer of the test sieve. This achieves the purpose of separating different particle sizes and determining the particle size composition of the material. The material in the test sieve can be effectively screened, graded and filtered.

Features

- High efficiency, compact and durable design, any powder and liquid can be sieved;
- Small size, not occupying space, and easy to move;
- The sieve machine can be placed up to eight layers of test sieves (including bottom sieves), which can precisely separate a granular material into 2~7 particle segments at the same time;
- It can be automatically shut down at regular intervals;
- Ensure the repeatability of the experiment;
- Full function and simpler operation;
- Low noise and light weight;
- Platform operation, no need to fix;

Specification

Model	TS-200
Diameter of Sieve	≤φ200mm
Sieve Size	0.025~50mm
Motor Power	0.125kW
Sound Emission	＜50dB
Vibration Amplitude	0~3mm
Vibration Frequency	1440 times/min
Electricity	220V/50Hz
External Dimension (L*W*H)	400*300*300+N*50mm
Weight	30kg

Sieve Shaker

TS-300

Features

- High efficiency, compact and durable design, any powder and liquid can be sieved.
- Small size, easy to move without occupying space.
- The sieve machine can be placed up to eight layers of test sieves (including bottom sieves), which can precisely separate a granular material into 2~7 particle segments at the same time.
- Automatic shutdown can be timed.
- To ensure the repeatability of the experiment.
- Full-featured and easier to operate.
- Low noise and light weight.
- Platform operation, no need to fix.
- Vibrating screen mesh can be selected according to needs.

Application

It is widely used in scientific research units, laboratories, inspection rooms, production control, etc. in food, medicine, chemical industry, abrasives, pigments, mining, metallurgy, geology, ceramics, national defense and other industries.

Specification

Model	TS-300
Diameter of Sieve	≤φ300mm
Sieve Size	0.025~50mm
Motor Power	0.18kW
Sound Emission	＜50dB
Vibration Amplitude	0~3mm
Vibration Frequency	1440times/min
Electricity	220V/50Hz
External Dimension(L*W*H)	470*430*370+N*60mm
N.W./G.W.	40kg/45kg
Package Dimension(L*W*H)	540*480*450mm

TS-200/TS-300 can be equipped with the following screen mesh

Mesh	Wire Diameter(mm)	Pore Diameter(mm)	Pore Diameter(μm)
1	2	25	25000
2	1.2	12	12000
2.7	1.2	8	8000
3	1.2	7	7000
3.2	1	6.7	6700
3.8	1	5.6	5600
4	1	5	5000
5	1	4	4000
6	0.8	3.35	3350
7	0.71	3	3000
8	0.71	2.36	2360
10	0.63	2	2000
12	0.45	1.7	1700
14	0.4	1.4	1400
16	0.4	1.18	1180
18	0.355	1	1000
20	0.315	0.85	850
22	0.315	0.8	800
24	0.28	0.71	710
26	0.28	0.71	710
28	0.28	0.63	630
30	0.25	0.6	600
32	0.224	0.56	560
35	0.224	0.5	500
40	0.18	0.425	425
45	0.14	0.355	355
50	0.14	0.3	300
55	0.14	0.28	280
60	0.125	0.25	250
65	0.125	0.224	224
70	0.125	0.212	212
75	0.125	0.2	200
80	0.125	0.18	180

TS-200/TS-300 can be equipped with the following screen mesh

Mesh	Wire Diameter(mm)	Pore Diameter(mm)	Pore Diameter(μm)
85	0.125	0.18	180
90	0.1	0.16	160
100	0.1	0.15	150
110	0.09	0.14	140
120	0.09	0.125	125
130	0.071	0.112	112
140	0.071	0.106	106
150	0.063	0.1	100
160	0.06	0.095	95
170	0.056	0.09	90
180	0.056	0.08	80
200	0.05	0.075	75
220	0.045	0.071	71
230	0.045	0.063	63
240	0.045	0.063	63
250	0.04	0.06	60
260	0.04	0.056	56
270	0.04	0.053	53
280	0.04	0.053	53
300	0.036	0.05	50
325	0.032	0.045	45
350	0.032	0.04	40
360	0.03	0.04	40
400	0.025	0.038	38
450	0.025	0.032	32
500	0.025	0.028	28
600	0.02	0.02	20
635	0.02	0.02	20
700		0.018	18
800		0.015	15
1000		0.01	10
1200		0.007	7
1250		0.005	5