

ELECTROMAGNETIC HIGH-FREQUENCY VIBRATING SCREENING MACHINE



Electromagnetic High-frequency Vibrating Screening Machine | Product Introduction

DHSF-200 Electromagnetic high-frequency vibrating screening machine is a new generation of laboratory vibrating sieve. It uses internationally leading technology to produce three-dimensional throwing motion through electromagnetic drive. It is equipped with different sizes of analysis sieves and can meet the particle size classification and measurement of powders, granules, bulk materials, suspensions and other materials. It has the advantages of high measurement accuracy, reproducible screening results, and low noise.

It is widely used in particle analysis in industries such as soil, pharmaceuticals, metallurgy, geology, coal, and grain. The screening results are efficient and reliable, making it an ideal choice for research and development, quality control, and production.



Electromagnetic High-frequency Vibrating Screening Machine | Working Principle

The main body of DHSF-200 Electromagnetic high-frequency vibrating screening machine is composed of an electronically controlled electromagnet, which has a vibration transmission component. This driving component can generate a three-dimensional throwing motion, which allows the sample to be uniformly distributed over the entire screen surface, resulting in a faster and more efficient filtering process, and thus achieving extremely high screening accuracy. At the same time, it brings high load capacity, quiet operation, and high efficiency, which can produce higher separation accuracy in a shorter period of time, and ensure the reproducibility of the screening results.

Table Of Commonly Used Mesh Sizes And Corresponding Micrometers

Mesh Size	Micrometer	Mesh Size	Micrometer
20	850	120	125
25	710	140	106
30	600	170	90
35	500	200	75
40	425	230	63
45	355	270	53
50	300	325	45
60	250	400	38
70	212	450	32
80	180	500	25
100	150	635	20

**ELECTROMAGNETIC HIGH-FREQUENCY
VIBRATING SCREENING MACHINE**



Technical Features

- ◆ Efficient electromagnetic drive, with electronic control of amplitude and frequency
- ◆ Suitable for dry and wet sieving
- ◆ High sieving accuracy and efficiency
- ◆ Quiet instrument operation and easy maintenance
- ◆ Memory storage for 9 sieving programs
- ◆ Adjustable sieving time and vibration frequency
- ◆ Three-dimensional throwing motion ensures uniform sample distribution across entire mesh surface

Technical Parameters

Model	DHSF-200 / DHSF-200H
Sample Characteristics	Powder, loose granules, suspensions
Motion Form	Three-dimensional throwing motion
Time Display	1-99min
Measurement Range	20µm-30mm
Amplitude	0-3mm continuous adjustment
Dry / Wet Screening	Both available
Intermittent Operation	0-99s
Maximum Load	3kg
Maximum Number of Sieves	9
Sieve Material	Stainless steel, nylon
Analytical Sieve Diameter	100/150/200/300 mm
Weight	25 kg
Power Supply	AC 220V±10% 50Hz