

**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 |