SIEVE SHAKER VIBRATION TYPE PTE-SSV-114

APPLICATIONS

1. Particle Size Analysis Used to determine the particle size distribution of powders, granules, and bulk materials

2. Pharmaceutical Industry For testing uniformity and granule size in tablets, capsules, and powdered formulations.

3. Chemical and Fertilizer Industry Used for grading and separating powdered chemicals, salts, and fertilizers.

4. Food and Agricultural Industry Ideal for sieving flour, grains, spices, and food powders for quality control.

5. Construction and Civil Engineering Used for analyzing particle size distribution of soil, sand, cement, and aggregates.

6. Metal and Mining Laboratories Used for sieving and classifying metal powders, ores, and minerals.

7. Research and Educational Laboratories Common in R&D labs for sample testing, standardization, and material analysis.

KEY FEATURES

- Suitable for dry sieving.
- Adjustable vibration amplitude and time.
- Accommodates various sieve diameters (i.e., 200 mm, 300 mm).
- Rugged, low-maintenance design.
- Optional digital timer and speed controller.
- Ensures reproducible and accurate sieving results.

TECHNICAL SPECIFICATIONS:

- **Sieve Capacity:** Up to 7–8 sieves + lid + pan.
- **Sieve Diameter:** 200 mm /300 mm
- **Motion:** Vibratory Type
- **Frequency:** 50–60 Hz.
- **Power Supply:** 220–240 V AC, 50 Hz (single-phase).
- **Timer:** 0–99 minutes Digital/Analog.
- **Amplitude Control:** Adjustable (varies by model).

WORKING PRINCIPLE

- A stack of sieves with progressively smaller mesh sizes is mounted on the shaker.
- The sample is placed on the top sieve.
- The machine shakes or vibrates the sieves
- Particles are separated by size as they pass through the sieves. Each sieve retains particles of a specific size range