

Ultrasonic System

Specification Of Ultrasonic System

Technical

Ultrasonic vibrating screen is the rotary vibration screen installed ultrasonic system and it is a high-precision ultra fine powder screening machine. It is consist of upper cover, screen frame with ultrasonic, base, vertical motor and ultrasonic generator etc. Diameter can be ranged from 400mm to 2000mm and with single or multiple screening layers. Ultrasonic vibration screen solve a series of screening problems, including adsorption, reunite, static, precision, density, light weight and other screening problems, which makes the separation of ultra fine powder easier.



Applications

International, industrial applications in small and large series, vibration and tumble screens, laboratory screens, flat screens.

Features

Ultrasonic vibrating screen can convert the 220V,50HZ or 110V,60HZ electric energy to 18KHZ high frequency electric energy, then, convert it to mechanical vibration of 18KHZ through ultrasonic generator and transmit to the screen mesh. The super-fine powder on the screen mesh will get greater ultrasonic acceleration and avoid a series of screen mesh blocking factors.

Features Of Ultrasonic System

A Delite Industries sieving system comprises a generator, a converter and a matched screen resonator with installation frame. The generator and converter generate the vibrations and

direct them into the resonator. With the Delite Industries systems, sonic propagation via the resonator is uniform and widespread. The ultrasound waves cause the applied screen fabric to vibrate.

Alternative Ultrasonic Equipment

A range of ultrasonic equipment with various designs are available. The 20 and 40 kHz ultrasonic systems are very popular for processes that require strong mechanical effects

Ultrasonic Processing Equipment

Today most people are familiar with ultrasonic baths and ultrasonic probes. As far back as the middle of the last century, Specht (1952) used ultrasound to extract hops to produce beer

Power ultrasound in liquid systems

Like any sound wave, ultrasound is propagated via a series of compression and rarefaction waves induced in the molecules of the medium through which it passes.

Cleaning & Ultrasonics Basics

Cleaning is the removal of soils, which are best thought of as matter out of place. Soils can be particles, thin film, or a combination of the two.