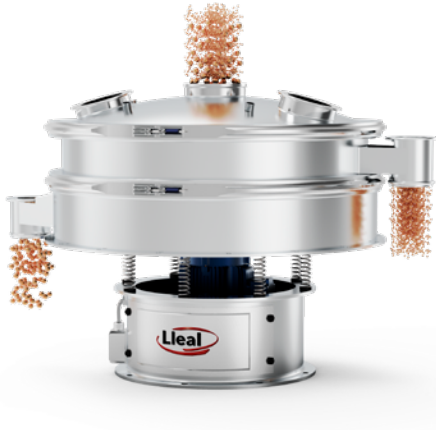


# VIBROCLASS vibratory sieve shaker

## general features



The VIBROCLASS circular sieve shaker combines the features of vibratory and rotary screening machines. These are compact, self-contained machines that perform precise mechanical separations according to particle size through the efficient use of multiplanar inertial vibration techniques.

They are designed and built to solve the most challenging classification, separation, and dewatering problems.

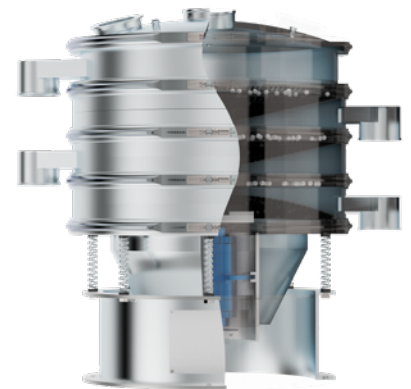
They are prepared to assembling from 1 to 4 sieves, allowing to obtain up to 5 fractions of predetermined sizes.

Furthermore, they are classifying equipment used for achieving very

accurate separations in a range from 40 microns (400 mesh) to 50 mm, both in dry and wet processes.

The operation is based on the rotation of a motor with two eccentric masses, placed vertically on the vibrating base of the separator, imparting a vibration to the set of sieves in both horizontal and vertical planes.

By adjusting the angle of the counterweights, it is easy to achieve different movements of the product on the sieve.



### VIBROCLASS WITH ULTRASOUND

In order to solve the most difficult sieving cases, the VIBROCLASS sieve shakers can incorporate a system for automatic sieve cleaning by means of ULTRASONIC WAVES.

In many cases, the sieving of products that are moist, fatty, or have very small particle sizes present serious sieving problems: low throughput and clogging on the sieve, causing frequent technical stoppages for manual cleaning. This problem worsens when very fine sieves are used.

To solve these problems, LLEAL has developed the VIBROCLASS WITH ULTRASOUNDS, equipped with an ultrasonic generator connected to a resonator head installed in the centre of the sieve, which transmits the ultrasonic waves harmoniously throughout the sieve. This increases production and allows for the sieving of difficult products that tend to clog the sieve.



Sieving installation consisting of BIG-BAG discharger with dosing screw and K-1200/2 VIBROCLASS sieve shaker.