# Sieve Shaker

LT-G0022 / LT-G0023 | Time and frequency controlled model options

Circular and vertical motion • Time setting • Ø200 and Ø300 mm sieves




## Ø200 / Ø300 mm

**COMPATIBLE TEST SIEVE DIAMETERS**

## 60 minutes

**MAXIMUM ADJUSTABLE OPERATING TIME**

EN 932-5 • ISO 3310-1 / -2 • ASTM E11 / E323

# Photograph and Machine Components

Sieve stack, clamping arrangement, control panel and motor body

The shaker classifies a specimen through stacked test sieves. Circular and vertical motion keeps particles moving across sieve surfaces. Select test duration and the controls available on the model according to the test method.

### SIEVE STACK

Arrange sieves from largest to smallest aperture. Place a receiving pan at the bottom.

### CLAMPING ARRANGEMENT

The upper crossbar and vertical rods secure the sieve stack. Check connections before starting.




### CONTROL PANEL

Check operation and time settings. LT-G0023 also provides frequency control.

### MOTOR BODY

The dynamic vibration system creates sieving motion. Position the body on a stable surface.



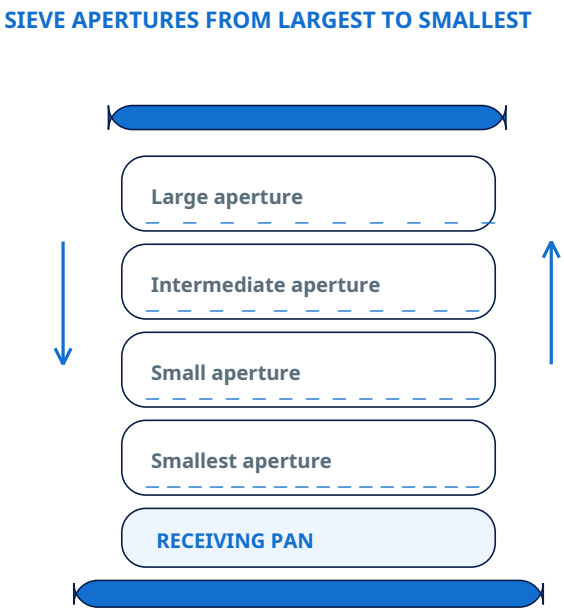
**Stacked laboratory test sieves**




**Control panel with operation and time settings**

# Particle Separation through the Sieve Stack

Arrange sieves • Load specimen • Set time • Weigh fractions




## Prepare the Sieves

Select apertures required by the test. Arrange the sieves, lid and receiving pan.

## Select Time and Controls

Set duration by the method. On LT-G0023, select the frequency setting for the specimen.

## Weigh the Fractions

Weigh material on each sieve and in the pan separately. Check the mass balance.

During sieving, smaller particles pass through suitable apertures to lower layers; coarser particles remain on the relevant sieves. Each fraction is compared with the initial specimen mass. Cumulative retained and passing percentages support evaluation of particle-size distribution.

## Model and Specimen Conditions

LT-G0022 provides time control. LT-G0023 adds frequency control to the time setting. Both models provide durations up to 60 minutes.

Set duration, specimen quantity and sieve apertures by the applicable method. Avoid overloading sieves and check fines for blocking and agglomeration.

## Sieve Selection and Wet Sieving

The shaker accepts Ø200 and Ø300 mm test sieves. Before testing, check apertures, cleanliness and damage. Secure the stack correctly.

Wet sieving requires suitable sieves and connection accessories. Complete subsequent drying and weighing according to the method. Clean sieves and receiving pan between specimens.

# Model Comparison and Technical Data

LT-G0022 and LT-G0023 • Control options and common specifications

| Product Code | Control Arrangement | Power Supply |
|---|---|---|
| **LT-G0022** | Time controlled | 220 V, 50-60 Hz, 1 ph |
| **LT-G0023** | Time and frequency controlled | 220 V, 50-60 Hz, 1 ph |

| Common Specification | Value / Description |
|---|---|
| **Compatible Sieve Diameters** | Ø200 / Ø300 mm |
| **Time Setting** | Up to 60 minutes |
| **Sieving Motion** | Circular and vertical |
| **Overall Dimensions** | 510 × 510 × 370 mm |
| **Approximate Weight** | 86 kg |
| **Wet Sieving** | With suitable sieves and connections |
| **General / Sieve References** | EN 932-5; ISO 3310-1, ISO 3310-2 |
| **Other Sieve References** | ASTM E11, E323; BS 410-1, BS 410-2 |

## Match Sieves and Operating Conditions to the Test Method

Check the sieve standard together with the specimen analysis method. Select suitable diameter, aperture sequence, specimen quantity and duration; collect fractions without material loss.

## From Specimen to Particle Size Distribution

**01**
**Prepare**
Arrange sieves and weigh the specimen.

**02**
**Secure**
Load the specimen and clamp the sieve stack.

**03**
**Sieve**
Select duration and model controls; run the test.

**04**
**Calculate**
Weigh fractions; calculate retained and passing values.

**Product Page | liyatest.com.tr/en/urun/sieve-shaker/**