High Capacity Sieve Shaker

LT-G0024 Series | Particle size separation of large-volume samples

Six rectangular sieve trays • Time / frequency control • Cabinet option



30 L

APPROXIMATE SAMPLE VOLUME

6 + 1

SIEVE TRAYS + COLLECTION PAN

Approx. 60-70 kg sample • 4-125 mm sieve openings • Single-phase supply

Photographs and Components

Rectangular sieve trays, upper clamping arrangement and control panel

The High Capacity Sieve Shaker separates mining, ore and aggregate samples by particle size. Six rectangular sieve trays and a lower collection pan support classification of large-volume samples in a single cycle.

CONTROL PANEL

Timer and operating controls are located on the upper panel.

CLAMPING ARRANGEMENT

The upper lever and clamping parts hold the tray group in position.



SIEVE TRAYS

Rectangular trays separate the sample into different particle size fractions.

FRAME AND BASE

The frame supports the sieving assembly and vibration mechanism.



Control panel of the time-controlled model



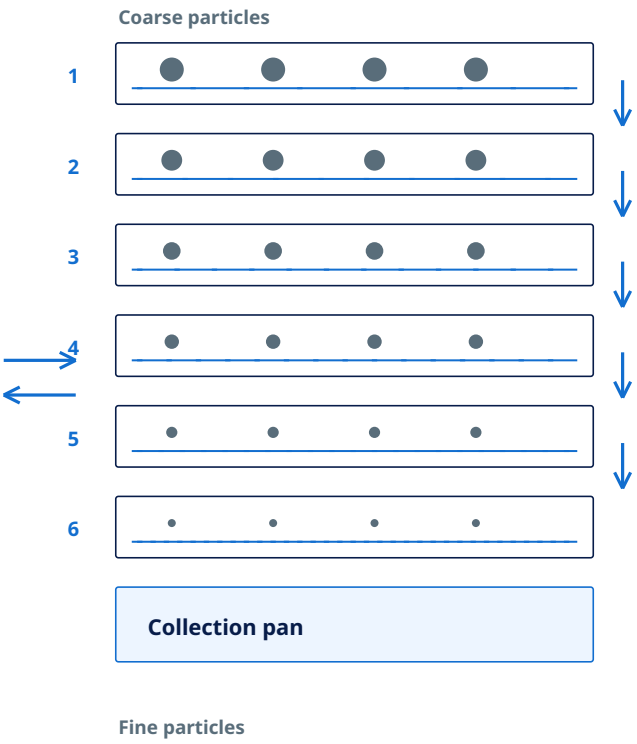
Model with a sound-insulated cabinet

LT-G0024 SERIES

Multi-layer Sieving and Size Separation

Largest-to-smallest sieve order • Vibration • Lower collection pan

SIX SIEVES + COLLECTION PAN



Sieve Order

Arrange trays from the largest to the smallest opening. Load the sample onto the upper tray.

Vibratory Separation

Coarse particles remain on upper trays; smaller particles pass through to lower trays.

Fraction Tracking

Recover and weigh material from each tray and the fine fraction in the lower pan separately.

Time control determines the sieving duration. Frequency-controlled models allow vibration settings to be selected for the material. Cabineted versions support reduction of operating noise.

Selecting Sieve Trays

Sieve frames measuring 40 × 60 × 7.5 cm and opening options from 4 to 125 mm cover different particle size ranges. Sieve trays are ordered separately; select openings for the size fractions required by the test.

Sample and Result Records

Assess the approximate 30 L or 60-70 kg sample capacity against material bulk density. Record the initial sample mass, sieve openings and the mass of each fraction. Compare the summed fraction masses with the starting amount.

Model Options and Technical Data

LT-G0024 Series • Control type, cabinet, dimensions and weight

Product Code	Control / Design	Dimensions (cm)	Weight
LT-G0024	Time controlled	59 × 79 × 85	180 kg
LT-G0024/1	Frequency + time	59 × 79 × 85	180 kg
LT-G0024/2	Time, with cabinet	90 × 90 × 135	220 kg
LT-G0024/3	Frequency + time, cabinet	90 × 90 × 135	220 kg

Series Feature	Value
Approximate Sample Capacity	30 L or 60-70 kg
Sieving Arrangement	6 rectangular trays + collection pan
LT-G0024 Timer	0-60 minutes
Sieve Opening Options	4-125 mm
Power Supply	220-240 V, 50-60 Hz, single phase

Cabineted Model Options

LT-G0024/2 and LT-G0024/3 include a sound-insulated cabinet. Frequency and time control are available on LT-G0024/1 and LT-G0024/3.

Sieving Workflow

01
Select Sieves
Arrange openings from largest to smallest.

02
Load Sample
Load the upper tray and secure the assembly.

03
Set and Sieve
Select time and frequency where available.

04
Weigh and Record
Weigh each tray and pan fraction separately.

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