Drum Mill 50 Litre

LT-A0999 | Wet and dry mineral sample preparation

Ball or rod configuration • Gear motor • Quick drum-cover access



50 L

DRUM CAPACITY

<20 µm*

TYPICAL FINAL FINENESS

* With suitable sample, grinding media and operating conditions.

LT-A0999

Photographs and Components

Grinding drum, access door, control panel and cover lock

The LT-A0999 grinds mineral and ore samples in a 50 L drum. A gear motor rotates the drum on a steel support frame. A yoke and quick-release locking system simplify removal of the drum cover.



GRINDING DRUM

The 50 L drum uses an appropriate module for ball or rod milling.

CONTROL PANEL

Digital display, start, speed control and emergency stop are grouped here.

ACCESS DOOR

The opening front door provides access to the drum and cover area.

COVER LOCK

A yoke and quick-release lock simplify access to the drum cover.



Drum cover, yoke and locking mechanism



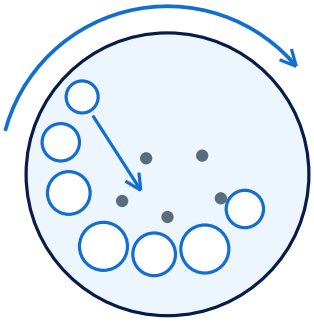
Digital display and operating controls

LT-A0999

Ball and Rod Grinding Principle

Two grinding configurations • Wet or dry operation • Sample separation

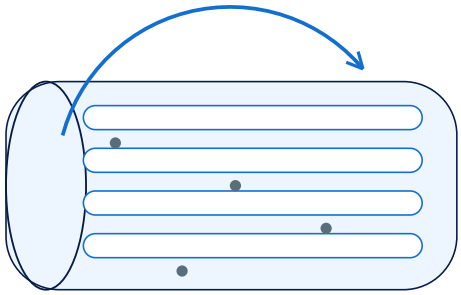
Ball Grinding



Appropriate ball-milling module

In the rotating drum, balls apply repeated impact and friction to the sample.

Rod Grinding



Appropriate rod-milling module

Elongated grinding media reduce sample size along extended contact surfaces.

Dry Grinding

The sample and suitable grinding media operate in the drum without added liquid.

Wet Grinding

The sample is processed with suitable liquid and grinding media for the method.

Sample Collection After Grinding

Grinding Drum → **Outlet Hopper** → **Separation Screens** → **Sample Collector**

Separation screens help separate the processed sample from the grinding media.

LT-A0999

Technical Data and Sample Workflow

LT-A0999 • 50 L capacity, grinding configuration and electrical supply

Technical Specification	Value
Product Code	LT-A0999
Drum Capacity	50 L
Operating Method	Wet / dry grinding
Grinding Configuration	Ball or rod milling with the appropriate module
Typical Final Fineness	<20 µm*
Drive System	Gear motor
Support Frame	Steel
Drum-Cover Access	Yoke and quick-release locking mechanism
Drum Cover	Easily removable for cleaning
Sample Collection System	Outlet hopper, separation screens, collector
Power Supply	220 V, 50 Hz

* Final fineness depends on sample properties, time, drum loading and grinding media.

Easy Access and Cleaning

The quick-release lock simplifies removal of the drum cover. Cleaning the drum and grinding media between samples helps reduce cross-contamination.

Sample Preparation Workflow

01
Select Setup
Choose wet/dry mode and a ball/rod module.

02
Load Drum
Load the sample and suitable grinding media.

03
Close and Grind
Lock the cover; use conditions suited to the method.

04
Separate and Collect
After grinding, separate the sample from the media.

Product Page | liyatest.com.tr/en/urun/drum-mill-50-liter/