



Ball Mill

LT-CE0022 | Wet and dry laboratory grinding

Cylindrical chamber • Fixed rotational speed • Multiple steel ball sizes



22 L

GRINDING CHAMBER CAPACITY

70 rpm

FIXED CHAMBER SPEED

Rubber-sealed loading cover • Complete ball charge • Product receiver

Photographs and Components

Cylindrical drum, loading cover, controls and product collection area

The motor rotates the 22 L chamber at a fixed speed. Inside the chamber, grinding balls reduce the sample through impact and friction. The rubber-sealed side cover helps retain material during wet and dry grinding.



Drum and loading cover



Operating controls and emergency stop

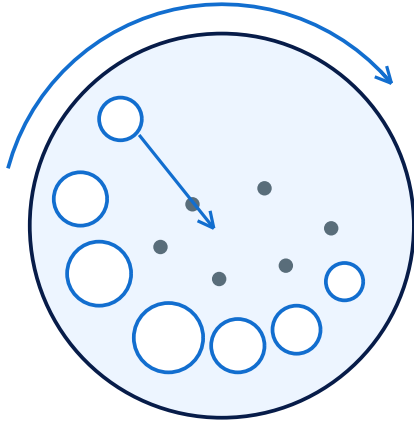
Grinding Principle and Ball Charge

Impact and friction • Five grinding ball diameters • Wet / dry operation



LABORATORY TEST EQUIPMENT

Cylindrical Grinding Chamber



Ø305 × 305 mm

As the chamber rotates, the balls rise and impact the sample. Friction between the balls and chamber also contributes to size reduction.

Grinding Ball Distribution

Ball Diameter (mm)	Quantity
36	43
30	67
25.40	10
19.05	71
12.70	94

TOTAL: 285 GRINDING BALLS

Dry Grinding

The chamber operates with the prepared sample and ball charge without added liquid.

Wet Grinding

The sample is ground with the balls in a liquid suited to the test method.

Select grinding time according to material properties and the required particle size.

Technical Data and Sample Workflow



LT-CE0022 • Chamber dimensions, fixed speed and electrical supply

Technical Specification	Value
Product Code	LT-CE0022
Operating Method	Wet / dry grinding
Chamber Capacity	22 L
Internal Chamber Dimensions	Ø305 × 305 mm
Loading Cover Opening	100 × 300 mm
Chamber Rotational Speed	70 rpm - fixed
Grinding Ball Material	Corrosion-resistant steel
Ball Charge	5 diameters / total 285 balls
External Dimensions	55 × 145 × 135 cm
Approximate Weight	350 kg
Power Supply	220 V, 50 Hz, 1 phase

Included Components

Complete Ball Charge

Grinding balls in five different diameters.

Product Receiver

Collection container for the ground material.

Sample Preparation Workflow

01

Load Sample

Transfer the sample and ball charge into the chamber.

**02**

Select Method

Choose a grinding time for the wet or dry method.

**03**

Start Grinding

Run the chamber at the fixed speed of 70 rpm.

**04**

Collect Product

Stop the machine and collect the ground sample in the receiver.

[Product Page | liyatest.com.tr/en/urun/ball-mill/](https://liyatest.com.tr/en/urun/ball-mill/)