Vibratory Disc Mill

LT-A0071 | Laboratory preparation in a closed grinding jar

Pneumatic jar clamping • Adjustable timer • Safety interlocks



0.075-5 mm

FEED SIZE RANGE

1-10 min

SAMPLE-DEPENDENT GRINDING TIME

50, 100, 250 and 800 cc jar options • Medium-hard, hard, brittle and tough materials

LT-A0071

Photographs and Components

Protective upper cover, control panel, main switch and metal cabinet

The LT-A0071 reduces sample size by vibration inside a closed grinding jar. Air bellows secure the jar in the working chamber. The timer allows grinding duration to be adjusted for the sample.

Alloys • Basalt • Clinker • Ceramics • Coal • Coke • Feldspar • Glass

PROTECTIVE COVER

The upper cover provides access for installing the grinding jar.

METAL CABINET

The enclosed sheet-metal cabinet surrounds the moving grinding mechanism.



CONTROL PANEL

Timer, start, stop and emergency stop controls are grouped together.

MAIN SWITCH

The power supply switch is on the front-right section of the machine.



Protective upper cover and handle



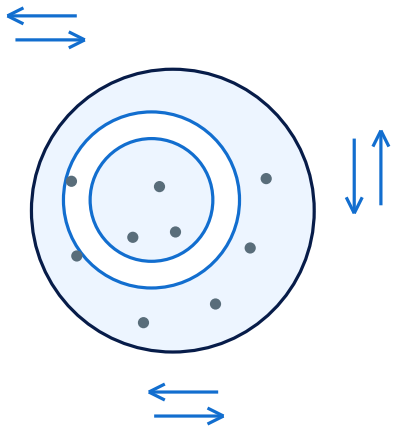
Timer, operating controls and main switch

LT-A0071

Vibration and Pneumatic Clamping

Ring grinding • Air-bellows clamping • Grinding jar capacity options

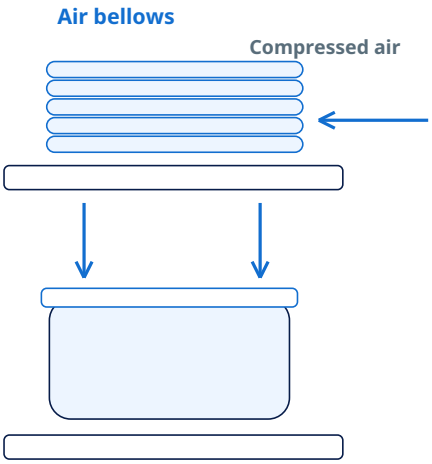
Vibratory Grinding



MULTIDIRECTIONAL VIBRATION

The ring and working surfaces inside the jar apply impact, pressure and friction to the sample.

Pneumatic Clamping



Air bellows press the closed jar into the working chamber, holding it in position during vibration.

A closed grinding jar limits sample loss. Select grinding duration according to sample properties and initial particle size.

Grinding Jar Capacity Options

50 cc
JAR VOLUME

100 cc
JAR VOLUME

250 cc
JAR VOLUME

800 cc
JAR VOLUME

Removable jars simplify sample collection and cleaning between different materials.

Cover Interlock

Opening the cover activates the safety switch and stops the machine.

Air Pressure Monitoring

The system stops automatically when pneumatic pressure decreases.

Technical Data and Sample Workflow

LT-A0071 • Feed size, jar capacities, controls and electrical supply

Technical Specification	Value
Product Code	LT-A0071
Grinding System	Vibratory / ring grinding
Feed Size Range	0.075-5 mm
Approximate Grinding Time	1-10 minutes*
Supported Jar Volumes	50 / 100 / 250 / 800 cc
Jar Clamping System	Pneumatic air bellows
Timer	Adjustable
Cover Interlock	Automatic stop when the cover opens
Pneumatic Pressure Control	Automatic stop when air pressure decreases
External Dimensions	100 × 75 × 130 cm
Approximate Weight	250 kg
Power Supply	380 V, 50-60 Hz, 3 phases

* Grinding time depends on sample type and initial particle size.

Compressed-Air Supply

Pneumatic clamping requires an air compressor. The compressor is excluded from standard delivery and must be ordered separately.

Sample Preparation Workflow

01
Select Jar
Choose and fill a jar suitable for the sample quantity.

02
Install Jar
Place the jar in the working chamber; close the cover.

03
Set Duration
Choose a grinding time for the sample and start.

04
Collect Sample
After the cycle, remove, empty and clean the jar.

Product Page | liyatest.com.tr/en/urun/vibratory-disc-mill/