Vibratory Disc Mill Grinding Set

LT-A0071/1 / LT-A0071/2 / LT-A0071/3 | Sample preparation

Hardened steel • Enclosed grinding chamber • Removable set



50 / 100 / 250 cc

THREE SET VOLUMES

LT-A0071

COMPATIBLE VIBRATORY DISC MILL

Laboratory grinding of medium-hard, hard, brittle and tough materials

Photographs and Components

Lid, grinding ring, chamber and central grinding element

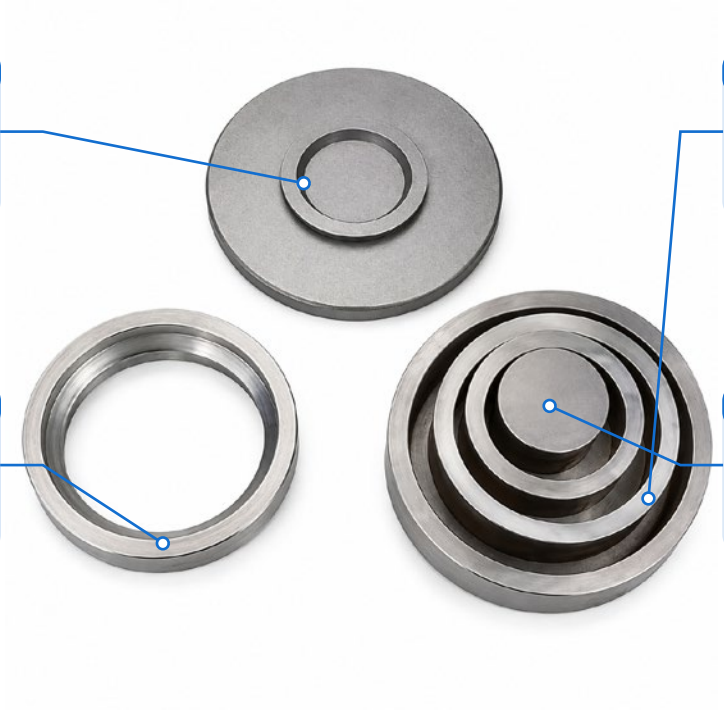
The grinding set forms the enclosed chamber in which samples are processed by the vibratory disc mill. Hardened steel components apply impact, compression and friction. The removable design supports sample recovery and cleaning.

LID

Closes the upper chamber and helps retain the sample within the set.

GRINDING CHAMBER

The working chamber holds the sample and grinding elements.



GRINDING RING

The loose grinding element contacts the sample during vibration.

CENTRAL ELEMENT

The central element works with the ring to produce mechanical grinding action.



Grinding ring and central element inside the chamber



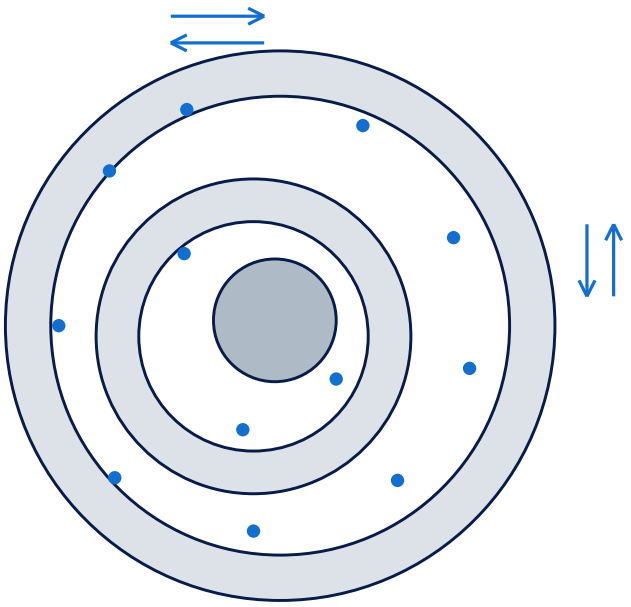
Removable ring and contact surfaces

LT-A0071/1 / LT-A0071/2 / LT-A0071/3

Sample Reduction through Vibration

Enclosed chamber • Multi-directional movement • Impact, pressure and friction

GRINDING CHAMBER - TOP VIEW



MULTI-DIRECTIONAL VIBRATION

Set Movement

The LT-A0071 mill vibrates the closed set. Internal parts apply forces to the sample from different directions.

Grinding Action

Impact and friction between the ring, central element and chamber surfaces reduce the sample.

Volume Selection

Select a 50, 100 or 250 cc set for the sample quantity and the preparation method.

Grinding results depend on sample hardness, initial particle size, loading quantity and processing time. Assess set volume and operating conditions together with the properties of the sample being prepared.

Sample Recovery and Cleaning

Remove the set from the mill after processing. Open the lid and recover the ground sample; clean the contact surfaces of the chamber, ring and central element. Avoid leaving residues between different samples.

Set and Analytical Method

Assess hardened steel against the subsequent analytical method. Keep sample identification, selected set volume and processing time together in the preparation record. Regular cleaning helps reduce carryover between samples.

Model Options and Technical Data

LT-A0071/1 / LT-A0071/2 / LT-A0071/3 • Volume, dimensions and weight

Product Code	Volume	Ext. Dimensions (cm)	Weight
LT-A0071/1	50 cc	10 × 10 × 8.5	6.5 kg
LT-A0071/2	100 cc	12 × 12 × 8.5	9 kg
LT-A0071/3	250 cc	16 × 16 × 8.5	15 kg

Set Feature	Value / Function
Set Material	Hardened steel
Compatible Mill	LT-A0071 Vibratory Disc Mill
Operating Principle	Vibration, impact, compression and friction
Sample Types	Medium-hard, hard, brittle and tough
Recovery / Cleaning	Removable chamber and grinding elements

Set Volume and the Main Mill

50, 100 and 250 cc are the set volume options. Vibration and grinding-time control are provided by the compatible mill.

Sample Preparation Workflow

01
Select Set
Choose a volume for the sample quantity.

02
Load Sample
Load the chamber, close and secure the set.

03
Grind Sample
Run the mill for a suitable processing time.

04
Recover and Clean
Remove the set, collect sample and clean surfaces.

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