Pneumatic Disc Mill

LT-A0099 | Fine grinding of hard and brittle samples

Three-dimensional vibration • Pneumatic clamping • Adjustable timer



<20 mm

FEED SIZE

800 cc

STANDARD STEEL GRINDING SET

Under suitable conditions, at least 85% of the sample <75 µm • 100-2000 cc set options

LT-A0099

Photographs and Components

Protective cover, control panel, main switch and steel grinding set

The LT-A0099 grinds hard and brittle samples by three-dimensional vibration in a closed steel set. Pneumatic clamping secures the set. An enclosed cabinet and fire-resistant acoustic lining support dust and noise control.

Soil • Rock • Cement • Limestone • Ceramics • Metal oxides

PROTECTIVE COVER

The upper cover provides access for installing the grinding set.

METAL CABINET

The enclosed cabinet surrounds moving components and limits dust release.



CONTROL PANEL

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

MAIN SWITCH

The front-right switch turns the electrical supply on and off.



Steel grinding set, disc and cover



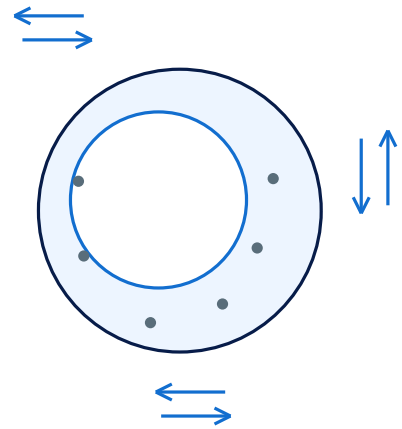
Timer, operating controls and main switch

LT-A0099

Vibration and Pneumatic Clamping

Disc grinding • Compressed-air clamping • Five set volumes

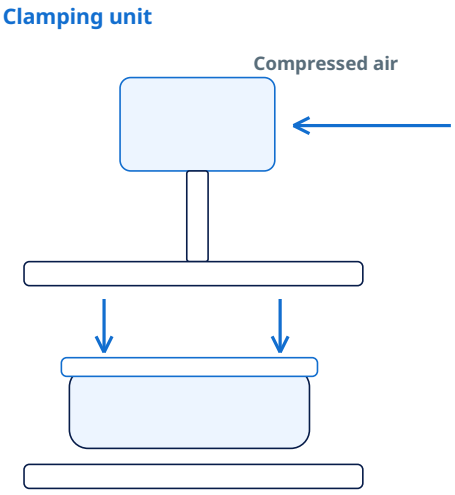
Three-Dimensional Vibration



MULTIDIRECTIONAL VIBRATION

A belt-pulley drive creates set vibration. The internal disc reduces particles by impact, compression and friction.

Pneumatic Clamping



Compressed air holds the closed grinding set securely in the working chamber during vibration.

The closed set limits sample loss. Select grinding duration according to sample properties and the required fineness.

Grinding Set Options

100 cc	600 cc	800 cc	1000 cc	2000 cc
LT-A0099/1	LT-A0099/2	LT-A0099/3	LT-A0099/4	LT-A0099/5

The machine is supplied with an 800 cc standard steel grinding set.

Cover Interlock

The machine stops automatically when the cover opens.

Air Pressure Monitoring

The system stops automatically if pneumatic pressure decreases.

Technical Data and Sample Workflow

LT-A0099 • Fineness, set volumes, safety and electrical supply

Technical Specification	Value
Product Code	LT-A0099
Grinding System	Disc / three-dimensional vibration
Feed Size	<20 mm
Grinding Fineness	At least 85% of the sample <75 µm*
Standard Grinding Set	800 cc / steel / included
Supported Set Volumes	100 / 600 / 800 / 1000 / 2000 cc
Power Transmission	Belt-pulley drive
Set Clamping	Pneumatic
Timer	Adjustable
Cover Interlock	Automatic stop when the cover opens
Air Pressure Monitoring	Automatic stop when air pressure decreases
Dust Collection Connection	Suitable for industrial vacuum systems
Noise Emission	Maximum approx. 85 dB**
External Dimensions	100 × 75 × 130 cm
Approximate Weight	250 kg
Power Supply	380 V, 50-60 Hz, 3 phases

* 75 µm = 0.075 mm. Fineness depends on sample, time and operating conditions.

** Noise emission depends on the working environment.

Compressed-Air Supply

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

Sample Preparation Workflow

01
Select Set
Choose and fill a set suited to the sample quantity.

02
Install and Clamp
Install the set, close the cover and clamp.

03
Set Duration
Select a suitable grinding time and start.

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

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