Disc Mill
Ø200 × 30 mm

LT-A0073 | Preparation of hard and brittle samples

Opposing grinding discs • Continuously adjustable gap • V-belt drive



Ø200 × 30 mm

GRINDING DISC DIMENSIONS

0-10 mm

DISC GAP ADJUSTMENT

Medium-hard, hard, brittle and tough samples • Mining, cement, ceramics and glass

Photographs and Components

Feed section, opposing disc faces, drive system and sample drawer

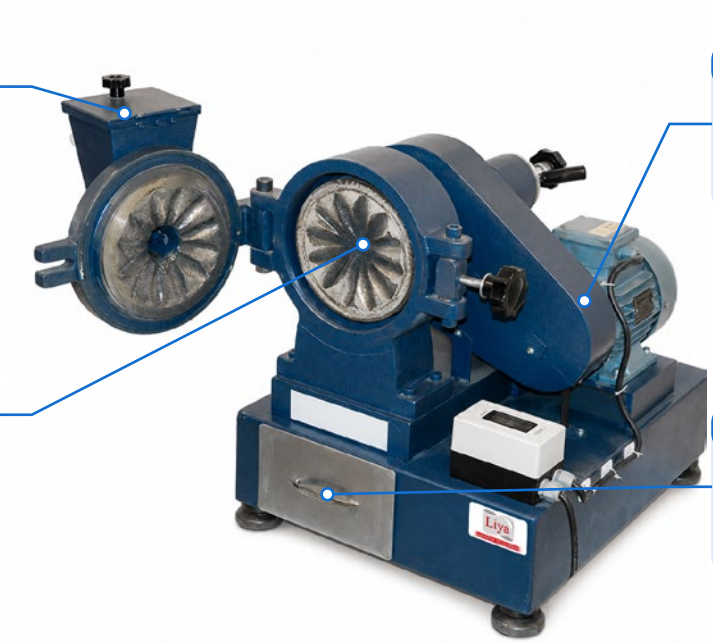
The LT-A0073 reduces sample size through mechanical forces between opposing grinding discs. Continuously adjustable 0-10 mm gap settings allow grinding conditions to be adapted to different materials.

FEED SECTION

The upper feed section directs the sample into the grinding area.

GRINDING DISCS

Opposing disc faces reduce sample size through pressure and shear.



DRIVE SYSTEM

A V-belt transmits motor movement to the grinding mechanism.

SAMPLE DRAWER

The lower drawer provides access for collecting the ground sample.



Opposing grinding discs and feed opening



Motor, drive guard and controls

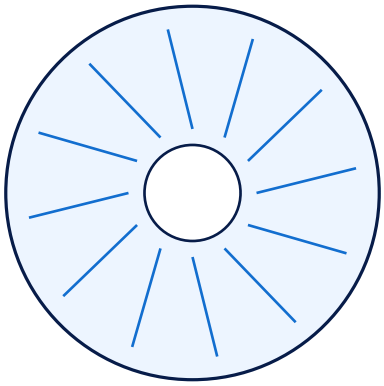
LT-A0073

Disc Grinding Principle

Pressure and shear • Continuously adjustable 0-10 mm disc gap

Liya
LABORATORY TEST EQUIPMENT

Disc Face

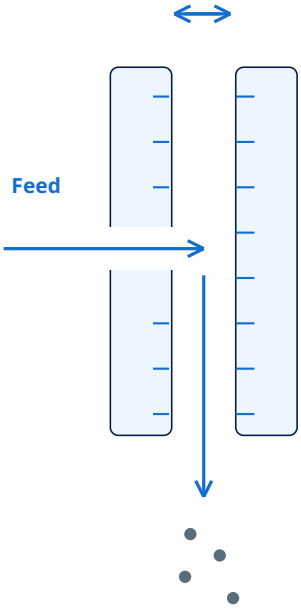


Ø200 × 30 mm

DISC DIMENSIONS

Opposing Discs

0-10 mm



Ground Sample

GAP ADJUSTMENT RANGE

Opposing discs reduce the sample through pressure and shear. A narrower gap supports finer output, while a wider gap allows coarser material to pass. Final particle size depends on sample properties and operating conditions.

Suitable Sample Groups

01
Minerals
Basalt and feldspar

02
Cement
Cement clinker

03
Ceramics
Ceramics and chamotte

04
Glass
Glass samples

05
Solid Fuels
Coal and coke

06
Other Materials
Alloys and construction materials

LT-A0073

Technical Data and Sample Workflow

LT-A0073 • Disc gap, external dimensions and electrical supply

Technical Specification	Value
Product Code	LT-A0073
Grinding Disc Dimensions	Ø200 × 30 mm
Disc Gap Adjustment Range	0-10 mm
Gap Adjustment Type	Continuously variable
Drive System	V-belt
External Dimensions	65 × 60 × 120 cm
Approximate Weight	200 kg
Power Supply	380 V, 50-60 Hz, 3 phases

Parameters Affecting Particle Size

Disc gap, initial particle size, hardness, brittleness and moisture affect grinding results. Select gap and feed conditions through trials with the sample material.

Sample Preparation Workflow

01

Prepare Feed

Pre-crush large pieces with a suitable crusher when needed.

02

Adjust Gap

Select a disc gap for the sample and target size.

03

Grind Sample

Feed the sample into the grinding section in a controlled way.

04

Collect Sample

Prepare the ground material for the next analysis.

Product Page | liyatest.com.tr/en/urun/disc-mill-o200x30mm/