Dual Disc Surface Grinder

LT-M0350 | Steel and pig iron surface preparation

Independent disc drives • Vacuum paper fixing • Integrated dust extraction



2 Discs

INDEPENDENT GRINDING DRIVES

Vacuum

ABRASIVE PAPER FIXING

Coarse and fine surface preparation • Magnetic and mechanical sample holder options

Photographs and Components

Two working openings, front controls, side tray and enclosed cabinet

The LT-M0350 removes oxide, contamination and uneven surface layers from steel and pig iron samples. Two independent discs allow coarse and fine grinding to take place on the same machine.

GRINDING AREA

Two independent discs use different abrasives for coarse and fine preparation.

SIDE TRAY

The side tray provides an additional surface for sample placement.



FRONT CONTROLS

Start, emergency stop and status indicators are on the front panel.

ENCLOSED CABINET

The largely enclosed cabinet supports dust control around the working openings.



Two working openings and disc surfaces



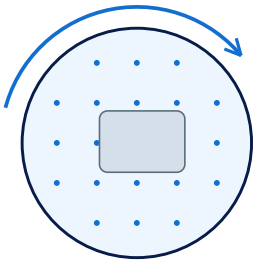
Operating controls and emergency stop

LT-M0350

Two-Stage Surface Preparation

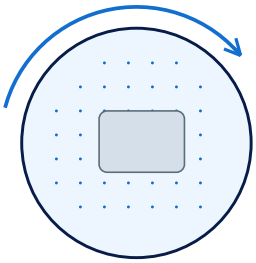
Coarse and fine grinding • Vacuum abrasive-paper fixing • Dust control

Coarse Grinding



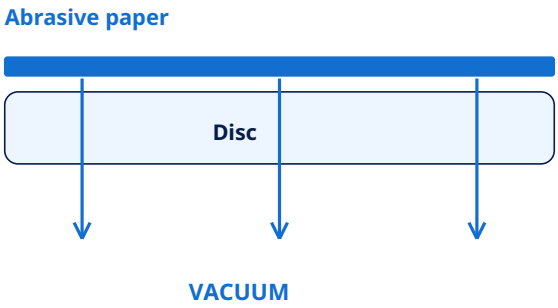
Removes uneven layers from the surface.

Fine Grinding



Prepares a clean, flat surface for analysis.

Vacuum Abrasive-Paper Fixing



Vacuum holds the abrasive paper against the disc. No glue or additional mechanical fixing is needed, and worn paper is easy to replace.

Cover Interlock

Opening the upper cover activates the disc-stopping safety circuit.

Dust Extraction and Filters

Integrated extraction, a spark trap and replaceable filters support control of metal dust.

Technical Data and Holder Options

LT-M0350 • External dimensions, electrical supply and sample holders

Technical Specification	Value
Product Code	LT-M0350
Sample Materials	Steel and pig iron
Number of Grinding Discs	2
Disc Drive	Independent motor for each disc
Abrasive-Paper Fixing	Vacuum system
Dust Extraction System	Integrated
External Dimensions	85 × 80 × 110 cm
Approximate Weight	310 kg
Power Supply	380 V, 50 Hz, 3 phases

Sample Holder Options

Holder Type	Sample Size
Magnetic	40 mm
Magnetic	45 mm
Magnetic	50 mm
Mechanical	35-45 mm

Sample Workflow Before Analysis

01
Select Setup
Choose the abrasive and holder for the sample.

02
Coarse Grinding
Remove uneven surface layers.

03
Fine Grinding
Prepare a clean, flat surface for analysis.

04
Prepare Analysis
Prepare the sample for OES or XRF analysis.

Product Page | liyatest.com.tr/en/urun/dual-disc-surface-grinder/