Roll Crusher

LT-A0074 | Laboratory sample preparation

Controlled compression and size reduction between two rolls



12 mm

MAXIMUM FEED SIZE

0.2–3 mm

OUTPUT SIZE

Output size depends on material properties and the roll gap setting.

LT-A0074

Photographs and Components

Covered feed hopper, gap adjustment and front controls

The covered hopper reduces dust release. A geared drive transmits motor movement to the crushing rolls.

FEED HOPPER

The enclosed inlet with a top cover feeds the crushing zone.

GAP ADJUSTMENT

The side adjustment wheel sets the parallel roll gap from 0 to 20 mm.



CONTROLS

Start, stop and emergency stop buttons are grouped together.

STEEL FRAME

The steel construction and base frame support the operating arrangement.



Feed hopper and gap adjustment



Controls and emergency stop

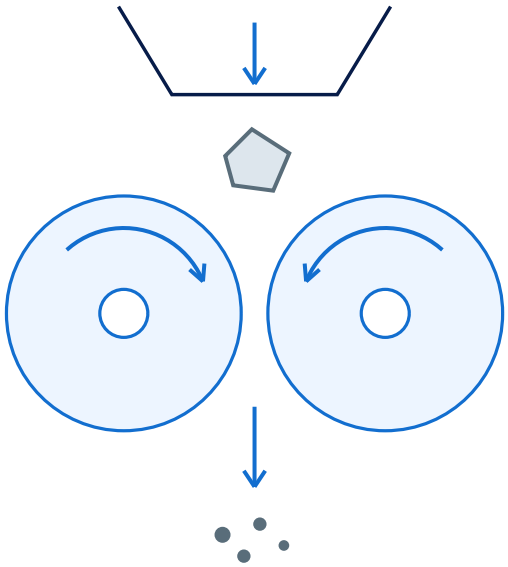
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Crushing Principle and Applications

Primary and secondary crushing • Medium-hard, hard, brittle and tough materials

FEED

12 mm



0.2–3 mm

CRUSHED PRODUCT

Roll Dimensions

25 × 15 cm

Adjustable Gap

0–20 mm

Sleeve Hardness

500 Brinell

Counter-rotating rolls compress the sample between them to reduce its size. A spring system absorbs stress in the rolls.

Application Areas

01

Minerals

Basalt and feldspar

02

Coal and Coke

Coal and coke samples

03

Cement

Cement clinker

04

Glass

Glass samples

05

Ceramics

Ceramic samples

06

Building Materials

Various building materials

LT-A0074

Technical Data and Sample Workflow

LT-A0074 • Dimensions, roll properties and electrical supply

Technical Specification	Value
Product Code	LT-A0074
Product Name	Roll Crusher
Roll Dimensions	25 × 15 cm
Maximum Feed Size	12 mm
Output Size	0.2–3 mm
Adjustable Roll Gap	0–20 mm
Roll Sleeve Hardness	500 Brinell
Motor Speed	1400 rpm
External Dimensions	45 × 70 × 150 cm
Approximate Weight	145 kg
Electrical Supply	380 V, 50–60 Hz, 3 phases

Output size depends on material properties and the roll gap setting.

Sample Preparation Workflow

01

Prepare Sample

Prepare a feed size of no more than 12 mm.

→

02

Select Gap

Choose the roll gap for the material and target size.

→

03

Feed Material

Transfer the sample through the covered feed hopper.

→

04

Collect Product

Take the crushed product to the next preparation stage.