Jaw Crushers for Laboratory Sample Preparation

100 × 100 / 100 × 200 / 200 × 300 mm

LT-A0092: crushing and automatic proportional sample splitting.



100 × 100 - 200 × 300 mm

JAW SIZE OPTIONS

0-15 mm

LT-A0092 JAW GAP

LT-A0090 • LT-A0091 • LT-A0092 | EN 12697-27

DETAILED PRODUCT BROCHURE

Jaw Crushers

Laboratory crushing • LT-A0090 / LT-A0091 / LT-A0092

100 × 100 mm | 100 × 200 mm | 200 × 300 mm | EN 12697-27

Controlled crushing of rock, ore and mineral samples

Liya Jaw Crushers reduce natural rock, ore and mineral samples to sizes suitable for laboratory analysis. The range includes three models with 100 × 100, 100 × 200 and 200 × 300 mm jaws. Select the model to suit the preparation process and required capacity.

The 200 × 300 mm LT-A0092 Terminator combines crushing and automatic proportional splitting in one system. Crushed material passes to the lower splitting unit. Stepless 0-15 mm jaw adjustment, an analogue setting indicator and central lubrication support controlled operation and maintenance.



01
3 Models
100 × 100, 100 × 200 and 200 × 300 mm jaw sizes.

02
0-15 mm*
Stepless jaw gap adjustment and zero-point setting.

03
3 kW*
Motor powered by a 380 V three-phase supply.

04
Auto Splitting*
Crushing and proportional splitting in one system.

05
Safe Operation*
Hopper interlock, jam and overheating protection.

* Marked features apply to the LT-A0092 model.

APPLICATIONS

Natural Rock | Ore | Minerals | Laboratory Analysis

SYSTEM ARCHITECTURE

Crushing Mechanism and Operating Principle

LT-A0092 • Feeding, jaw adjustment, safety and sample collection

FEED HOPPER

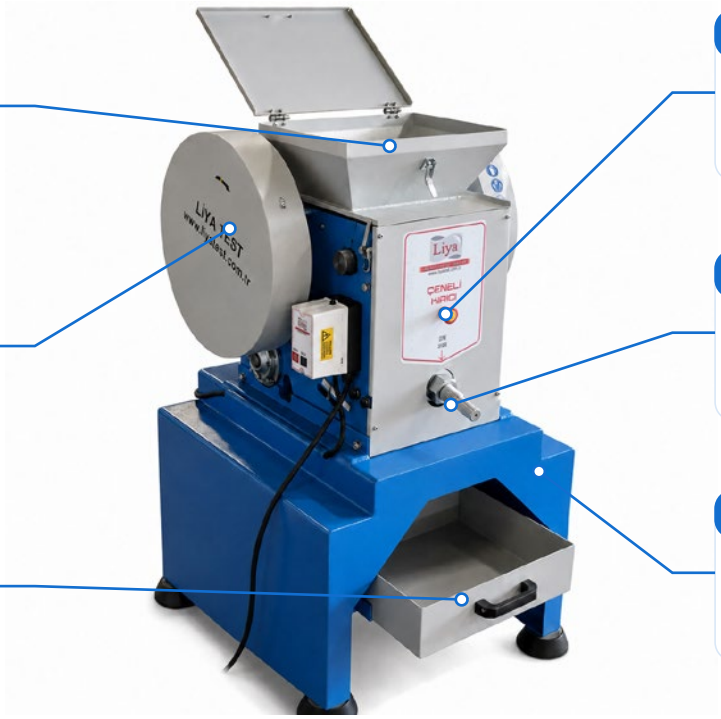
The internal design limits material rebound. Opening the hopper interlock stops the unit.

DRIVE GUARD

The V-belt drive transfers motion to the crushing mechanism. The outer cover guards the drive.

SAMPLE COLLECTION

Crushed material passes to the lower splitting unit and collects in the sample collection area.



EMERGENCY STOP

The emergency stop button on the front panel provides rapid operator access.

JAW GAP ADJUSTMENT

Stepless 0-15 mm adjustment sets the jaw gap to suit the target product size.

ENCLOSED HOUSING

The enclosure limits dust escape and supports connection to an industrial vacuum system.

Jaw Adjustment and Safety Detail



1. **Stepless Adjustment** — Select a jaw gap within the 0-15 mm range.
2. **Analogue Indicator** — Track the zero point and current gap setting.
3. **Emergency Stop** — Rapid stop access from the front panel.
4. **Hopper Interlock** — Opening the interlock stops the unit.
5. **Protection System** — Protection against jams and overheating.
6. **Maintenance Access** — Remove jaws for cleaning and replacement.

LT-A0092 SAMPLE PREPARATION FLOW

1. Set Jaw Gap
2. Feed Sample
3. Crush Material
4. Split Proportionally
5. Collect Sample

TECHNICAL DATA

Technical Specifications and Model Options

Three-model comparison and technical details specific to LT-A0092

LT-A0090 | LT-A0091 | LT-A0092

Technical Specification	LT-A0090	LT-A0091	LT-A0092
Jaw Size (mm)	100 × 100	100 × 200	200 × 300
Crushing Capacity (kg/hour)	200	300	300 / 500
Overall Dimensions (cm)	50 × 90 × 85	60 × 90 × 85	135 × 85 × 110
Weight (kg)	250	300	850
Power Supply	380 V, 50-60 Hz, 3-phase	380 V, 50-60 Hz, 3-phase	380 V, 50-60 Hz, 3-phase
Standard Listed on Product Page	EN 12697-27	EN 12697-27	EN 12697-27

LT-A0090



100 × 100 mm • 200 kg/hour

LT-A0091



100 × 200 mm • 300 kg/hour

LT-A0092



200 × 300 mm • 300 / 500 kg/hour

LT-A0092 | Terminator Model Technical Details

Motor Power	3 kW
Jaw Gap / Adjustment	0-15 mm / stepless
Crusher Jaws	Chromium-manganese steel
Wear Plates	450 Brinell
Fine Crushing Performance*	At least 75% of material <=2 mm
Noise Level*	Maximum 85 dB
Drive / Lubrication	V-belt / central lubrication
Spare Crusher Jaws	One set, as listed in the product description

* Crushing performance depends on material, feed size and jaw setting; noise depends on the working environment.

Technical values follow the product page. The listed 300 / 500 kg/hour capacity has been retained as published.