

# LAARMANN

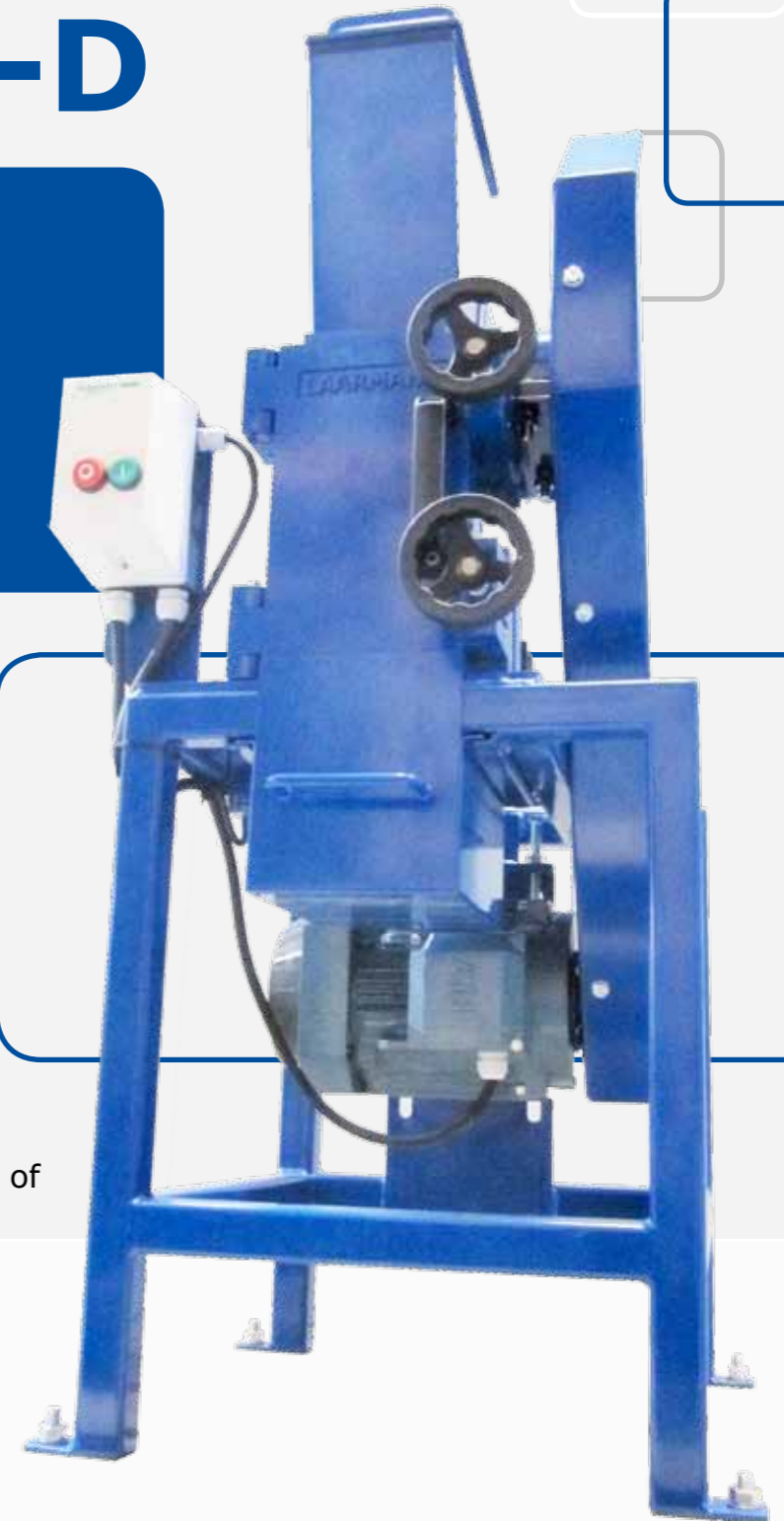
*Innovators in Solids*

## Jaw Crusher

# LMC 100-D

Superior Jaw Crusher engineered for rapid reduction of hard and brittle materials

- Quick and easy to clean due to front door access
- Stepless, reproducible gap-setting by hand-wheel
- Easy exchange of jaw plates and side liners
- Modular infeed hopper: removable, with splash back protection, batchloader or dosing plunger
- External control box with start/stop
- Endfinesness: < 2 mm
- Contamination-free crushing because of 4 different grinding tools



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## Superior Jaw Crusher engineered for pre-crushing of extremely hard up to brittle materials

The **Laarmann LMC Jaw Crusher** is designed for batchwise and continuous pre-crushing of middle hard, hard brittle and tough materials for the following fine grinding.

### Principle of operation

The Model LMC Jaw Crusher is used by laboratories and processing companies to crush solid materials such as rocks or soil and ores. The material to be processed falls into the crushing chamber of the LMC Crusher via a guide chute and is crushed by crushing action of a static and a dynamic jaw plate until it passes the pre-selected gap of the crusher. The stepless gap setting can be adjusted via a hand wheel and a mm scale from 0 mm to 25 mm (contact of the jaw plates). This adjustment setting enables the operator to also perform a zero point calibration setting to adjust the crusher.

Various infeed hoppers made of stainless steel or coated with PU are optionally available



### \*Jaw plates / side liners material compositions

- Hardened steel
- Tungsten carbide
- Heavy metal free steel
- Stainless steel



### Easy cleaning and operation

No other Jaw Crusher is easier to clean than the LMC Jaw Crusher. When the crushing process is finished the infeed hopper can be taken off in a second and the front door opened. Due to these points the crushing chamber is fully accessible for quick and easy cleaning in order to perform a fast and systematic cleaning of the grinding tools.



**Gap adjustment**  
The required gap setting can be comfortably and reproducibly adjusted by rotating the handwheel. The gap setting can therefore steplessly pre-chosen according to a scale prior to start the crushing process.

## Features and benefits

- Better crushing performance due to 3000 Watt (strong 3 phase motor)
- Optimum crushing results
- Easy and quick access to the crushing chamber (no tool required)
- Stepless adjustment of gap setting (no tool required)
- CE certified
- Removable infeed hopper with safety baffles or batch loader
- High precision solid steel underframe (available with lockable castor wheels)
- Solid and spacious 10 litre sample collector
- Motor protection switch with start/stop
- Endfiness < 2 mm
- Contamination free crushing because of 4 different grinding tools\*
- Easy exchange of jaw plates and side liners



LMC 100-D with screening section

## Applications

- Minerals / ores / slags
- Cement / cement clinker / concrete
- Glass / ceramics / corundum
- Soil samples / sludges
- Coal / coke / drill core
- Industrial waste

## Jaw Crusher Data

Technical Data	
Jaw Inlet	130 x 100 mm
Maximum feed size	115 x 90 mm
Adjusting range of Jaw outlet	0 bis 25 mm
Product sizing at minimum adjustment	<2 mm
Throughput	250 kg/h
Dust extraction point	1
Dust extraction flow	150 litre/s
Electrical requirements (3 phase)	3 kW (3x 400V/50Hz) other voltages available
Toggle speed	325 rpm
Approximate mass	250 kg gross

## Request your free test-grinding

Will our equipment suit your requirements? Send us a test sample for evaluation. Our application laboratory is pleased to conduct pre-purchase trials on customer free supplied samples. If you require a free test-grinding please log-on to

[www.laarmann.info/questionnaire-milling.html](http://www.laarmann.info/questionnaire-milling.html)