

## LMC100D JAW CRUSHER

High Performance Jaw Crusher

**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
- Endfiness:  $d_{10} < 0.5 \text{ mm}$ ;  $d_{90} < 2 \text{ mm}$
- Contamination-free crushing because of 4 different grinding tools
- CE-certified
- Included with wear rate display unto minus 10 mm
- Complemented with crushing ratio of 45



## 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 30 mm (contact of the jaw plates). This adjustment setting enables the operator to also perform a zero point calibration setting to adjust the crusher.

### 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 stepless pre-chosen according to a scale prior to start the crushing process.

Jaw plates / side liners material compositions

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



LMC100VD jaw crusher vertical door custom made



LMC100D jaw crusher side view

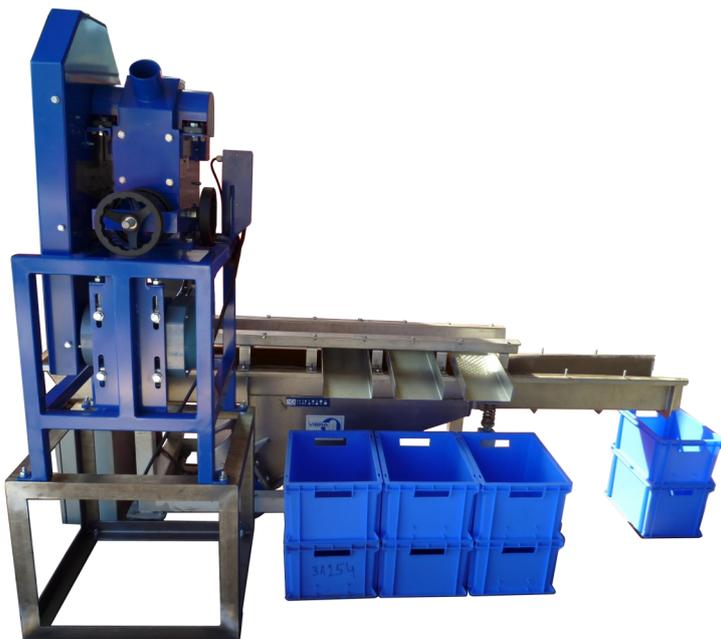
LMC100 Jaw Crusher models and installations



LMC100VD Jaw Crusher vertical door



LMC100D Jaw Crusher horizontal door (standard)



Jaw Crusher with vibratory feeder and sieve street



Jaw Crusher with Rotary Sample Divider combination

## 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 tools 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
- Endfinessness < 2 mm
- Contamination free crushing because of 4 different grinding tools\*
- Easy exchange of jaw plates and side liners



Collector bottom and infeed hopper



Jaw plates and Side liners

### Technical Data

Jaw Inlet	≈ 130mm x 100mm
Maximum feed size	92% from jaw inlet
Adjusting range of Jaw outlet	0 to 30 mm
Endfinessness	d10<0.5 mm, d90<2 mm
Throughput	300 kgs/h
Dust extraction point	1
Dust extraction flow	150 litre/s
Electrical requirements (3 phase with IP55 certification)	3 kW (3x 400V/50Hz) other voltages available
Toggle speed	325 rpm
Approximate mass	250 kg gross