

# LAARMANN

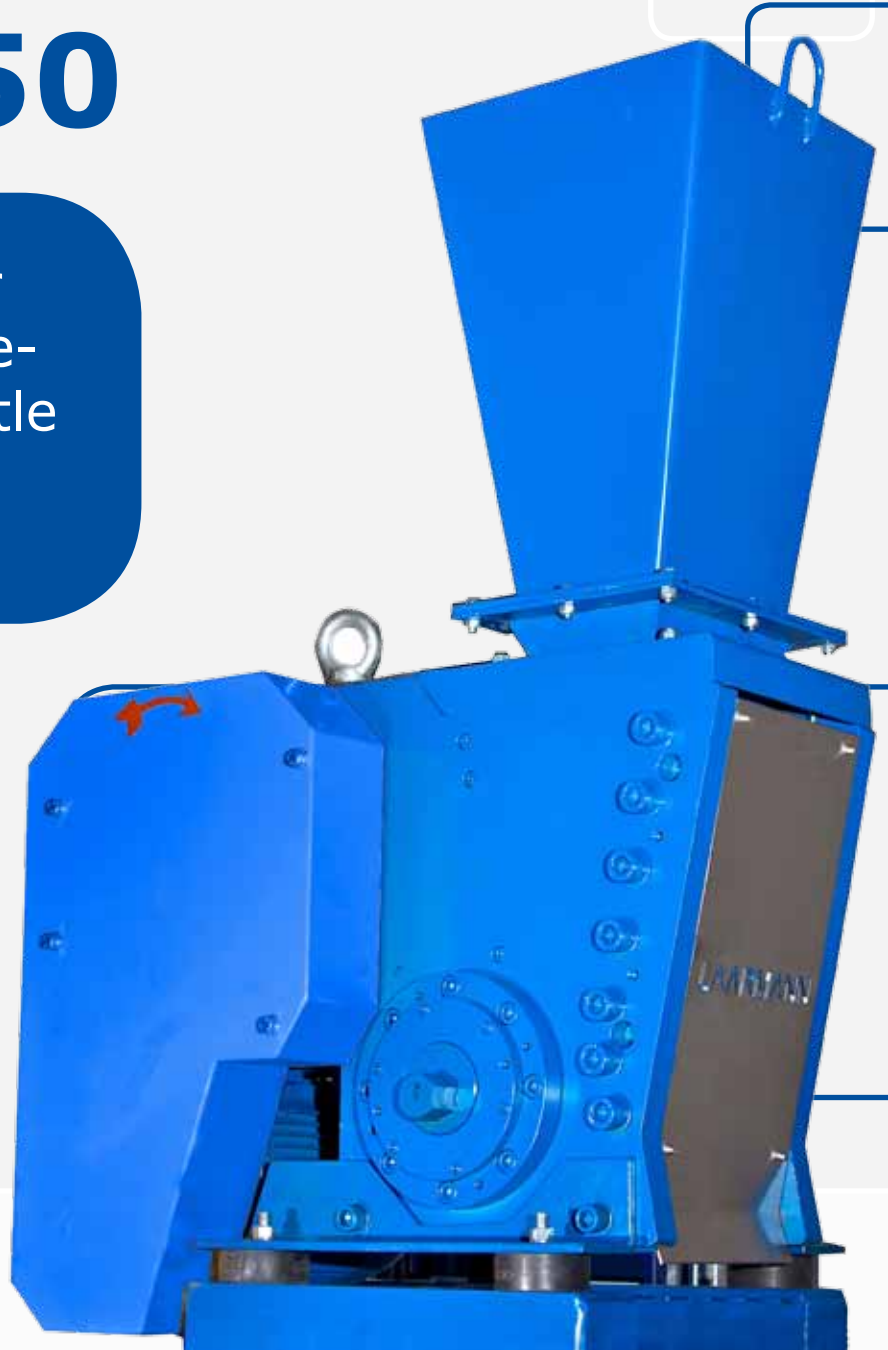
*Innovators in Solids*

High Performance  
Fine Jaw Crusher

## LMFC 250

Fine Jaw Crusher for  
pre-crushing of extremely hard up to brittle  
materials down to  
< 2mm in one step

- Endfinessness 90% < 2mm
- Very Powerful
- Infinitely, reproducible gap adjustment
- Easily change of jaw plates and side liner
- Various infeed hopper: removable, with safety guard, batch loader and metering
- External control by Start/Stop
- Contamination free grinding



# LAARMANN Jaw Crusher LMFC 250

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

The **LAARMANN LMFC Jaw Crusher LMFC250** is designed for batch wise and continuous pre-crushing of middle hard, hard brittle and tough materials for the following fine grinding.

### Principle of operation

The Model LMFC 250 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.

### Principle of operation for finecrushing

Unlike conventional jaw crusher, the movable crushing jaw is guided in this jaw breakers in an oscillating motion. As a result the crushing gap remains in the downward direction in the adjusted size and the product is crushed in a single step in this fineness.

### Simple Cleaning and Operation

The LAARMANN Fine Jaw Crusher is suitable for small amounts and can be used **batch wise or** for larger quantities **continuously**. Moveable and fixed jaw plate as well as the side liner can be easily replaced

### Gap Adjustment

The requested gap setting can be adjusted comfortably and reproducibly.



Extremely robust crushing chamber:

- Jaw plates clamped from below by T-clamps
- Side Liner 12mm thickness
- Reinforced bearings

### \*Jaw Plates / Side Liner Available in:

- Hardened steel
- Manganese steel
- Heavy metal free steel
- Stainless steel



## Grinding examples Before / After

Harshest operating conditions require extraordinary jaw crusher.

Ferrotitanium is an example of an extremely challenging and tensile sample material. The LMFC 250 fits even to these demanding requirements, and breaks in a single step coarse material in a surprising final fineness.

**Ferrotitanium**



**Ferrochrome**



Two massive re-balanced fly wheels to transfer a high impulse to the jaw plates





**Ferro-tungsten**

**Drill core**

**Ferroniobium**

## 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)

## LAARMANN ENGINEERING



Vibratory feeder

Jaw Crusher  
LMFC 250

Sample Divider

Combination of Vibratory Feeder,  
Jaw Crusher and Sample Divider



Storage container

Lump breaker

Combination of Storage container, Lump  
Breaker, Jaw Crusher and Sample Divider

## Benefits and advantages

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- Improved power by 7500 Watt (3 phase) Motor
- Optimal grinding results by oscillating grinding movement
- Adjustable gap adjustment
- CE - certified
- Removable infeed hopper, with safety guard or batch loader
- Base
- Spacious collector
- External control by Start/Stop
- Endfeineness < 2,00 mm
- Contamination free grinding because of 4 different grinding tools\*
- Easy exchange of jaw plates and side liners

## Applications

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

## LMFC 250 Technical Data

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Technical Data	
Jaw Inlet	130mm x 250mm
Maximum feed size	< 110mm
Adjusting range of Jaw outlet	6 bis 50 mm
Endfineness	90% <2 mm
Throughput	180 kgs/h
Dust extraction point	2
Dust extraction flow	225 litre/s
Electrical requirements (3 phase)	7,5 KW, 3-phasig 50Hz
Toggle speed	775 rpm
Approximate mass	880 kgs brutto

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