LAARMANN®

Innovators in Solids

LMFC250 FINE CRUSHER

High Performance Fine Jaw Crusher

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

- Endfineness 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
- CE-certified

Laarmann Group B.V.
Op het Schoor 6
6041 AV
Netherlands

info@laarmann.eu
www.laarmann.eu
webshop.laarmann.eu
+31 6 23 40 00 33

Superior Jaw Crusher engineered for precrushing of extremely hard up to brittle materials

The LAARMANN®LMFC250 Fine Crusher 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 LMFC250 Fine 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 LMFC250 via a guide chute and is crushed by crushing action of a static and a dynamic jaw plate until it passes the preselected 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 LMFC250 Fine Crusher is suitable for smalll amounts and can be used batch wise or for larger quantities continiously. Dynamic and static jaw plate as well as the side liner can be easily replaced

Gap adjustment

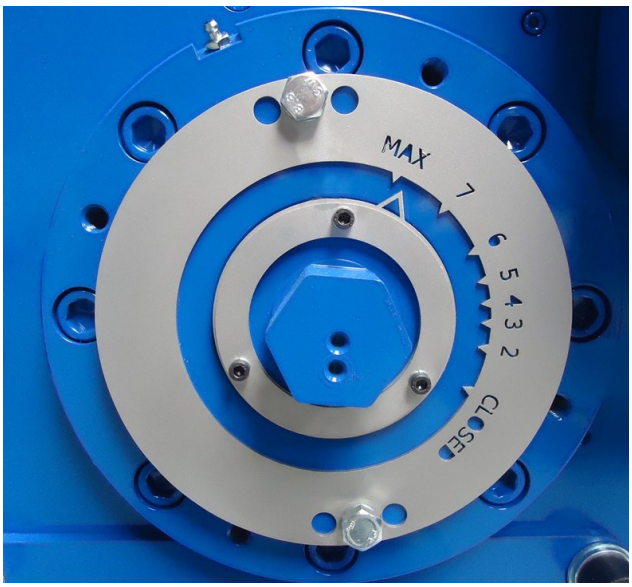
The requested gap setting can be adjusted comfortably and reproducible .

Jaw Plates / Side Liner available in:

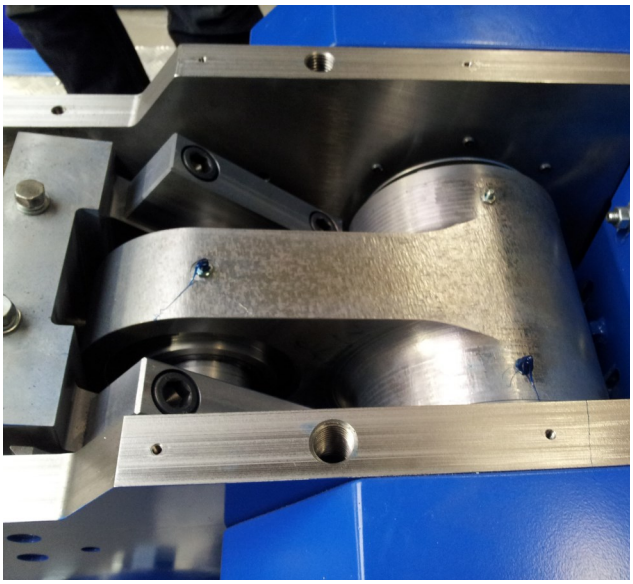
- Hardened steel
- Manganese steel
- Heavy metal poor steel
- Stainless steel
- Others on request

Extremely robust crushing chamber:

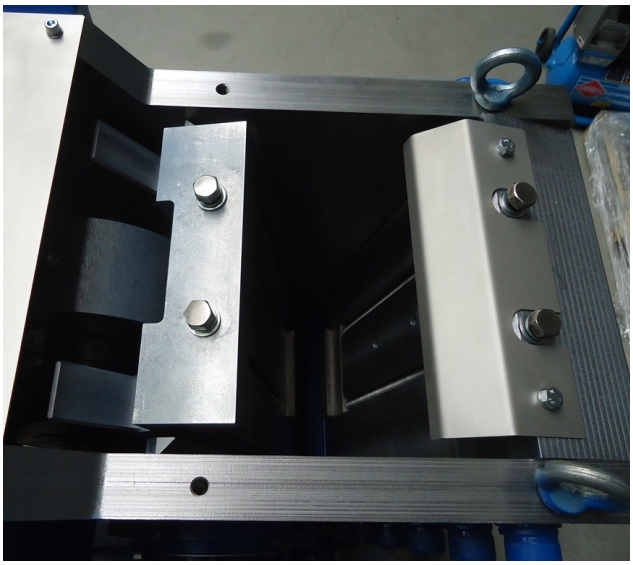
- Jaw plates clamped from below by T-clamps
- Side Liner 12mm thickness
- Reinforced bearings



Fine Crusher gap adjustment



Fine Crusher inside view



Fine Crusher inside view

Laarmann Group B.V.
Op het Schoor 6
6041 AV
The Netherlands

info@laarmann.eu
www.laarmann.eu
webshop.laarmann.eu
+31 6 23 40 00 33

Grinding examples Before / After

Harshest operating conditions require extraordinary Fine Crusher. Ferrotitanium is an example of an extremely challenging and tensile sample material.

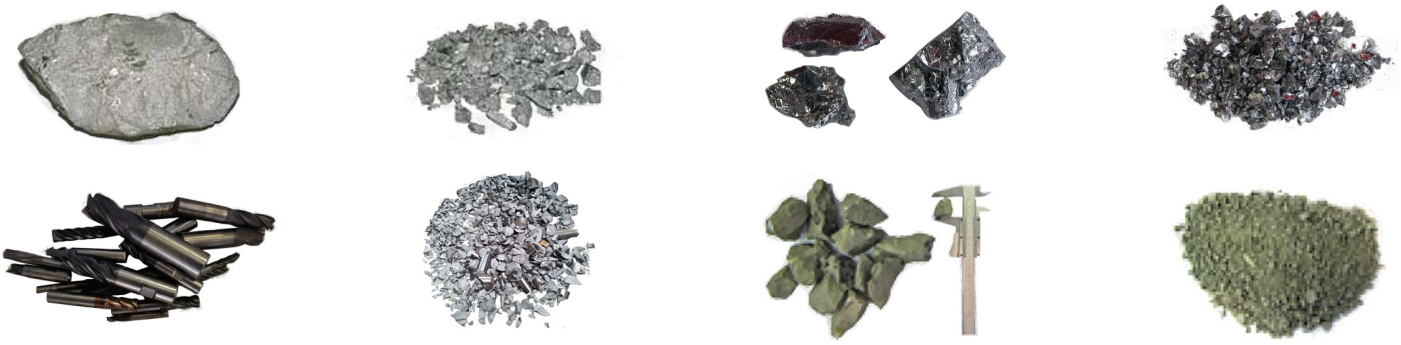
The LMFC250 easily meets these demanding requirements, and breaks in a single step coarse material in a surprising final fineness.

Tungsten carbide buttons

Tungsten carbide bits

Tungsten carbide drills

Hard material



Various hard material that the LMFC250 Fine Crusher is enable to process

Laarmann Group B.V.
Op het Schoor 6
6041 AV
Netherlands

info@laarmann.eu
www.laarmann.eu
webshop.laarmann.eu
+31 6 23 40 00 33

Crushing installations with the LMFC250 Jaw Crusher

Ferroalloy crushing installation for sample preparation

LMFC250 fine crusher with sieve street for dividing the output of the machine by size

Sampling installation with a LMFC250 fine crusher

Sampling installation with a LMFC250 fine crusher

Laarmann Group B.V.
Op het Schoor 6
6041 AV
Netherlands

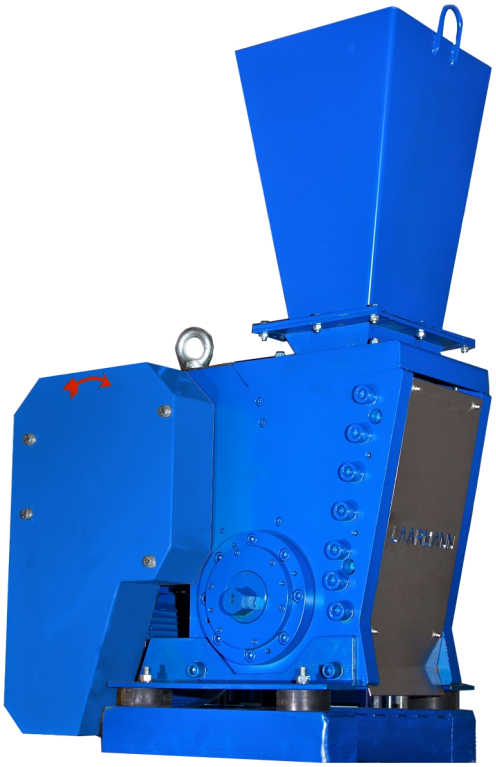
info@laarmann.eu
www.laarmann.eu
webshop.laarmann.eu
+31 6 23 40 00 33

LMFC250 Jaw Crusher with custom adjustments

LMFC250 Fine Crusher with frame

LMFC250 Fine Crusher with custom hopper

LMFC250 Fine Crusher with custom hopper for drill cores



LMFC250 Fine Crusher with custom hopper

Laarmann Group B.V.
Op het Schoor 6
6041 AV
Netherlands

info@laarmann.eu
www.laarmann.eu
webshop.laarmann.eu
+31 6 23 40 00 33

Benefits and advantages

- 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
- End fineness < 2,00 mm
- Contamination free grinding because of 4 different grinding tools
- Easy exchange of jaw plates and side liners

Applications

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

Technical data	
Jaw Inlet	130mm x 250mm
Maximum feed size	< 110mm
Adjusting range of Jaw outlet	0 to 5 mm
Endfineness	90% <2 mm*
Throughput	500 kgs/h *
Dust extraction point	1
Dust extraction flow	225 litre/s
Electrical requirements (3 phase)	7,5 Kw, 3-phase 50Hz
Toggle speed	775 rpm
Approximate mass	880 kgs gross

*depending on sample characteristics

Laarmann Group B.V.
Op het Schoor 6
6041 AV
Netherlands

info@laarmann.eu
www.laarmann.eu
webshop.laarmann.eu
+31 6 23 40 00 33