

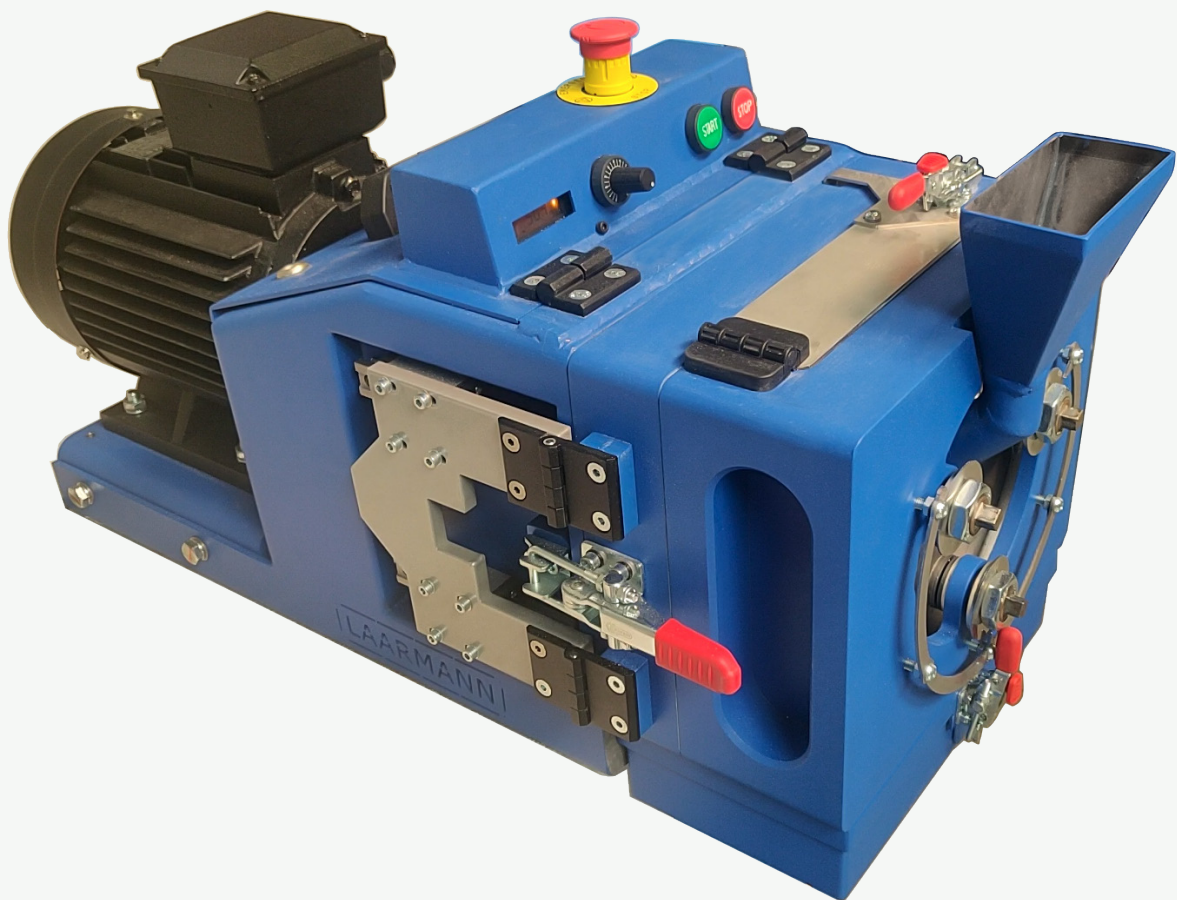
LAARMANN[®]

Innovators in Solids

Sample Preparation

LMDM200 DISC MILL

The LAARMANN high performance Disc Mill



THE DISC MILL PULVERISER MODEL LMDM200
IS A DURABLE MACHINE FOR FINE GRINDING

LMDM200 DISC MILL

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Features and benefits

- Quick and easy to clean
- Contamination free grinding
- Easily exchange of discs
- Stepless gap settings
- Batch and continuous use
- Rpm adjustment
- Zero point adjustment

Well Proven, High Reduction, Durable Disc Mill for fine grinding

The LAARMANN DM200 Disc Mill is designed for operating laboratory environments. The DM200 is a simple, durable machine for fine grinding of all types of semi-hard and hard materials. Materials such as drill core, rock, alloys, soils, ceramics and similar materials are suitable for the DM200. The machine is supplied as standard, complete with:

- 1.5 kW (3 phase) motor
- One fixed grinding disc
- One rotating grinding disc
- Stepless disc gap adjustment
- Sample collector

The grinding chamber contains one fixed and one rotating disc with a 200mm diameter. The internal surfaces of the grinding chamber are smooth faced and easily accessed, maintained and cleaned between samples because of the door that is implemented in the latest DM200 model. The gap setting can easily be adjusted and can be set to point zero.

Operation

The operating capacity of the DM200 depends upon the disc gap setting, feed size and the crushing properties of the material being processed. The DM200 can be supplied as an optional mounted on a specially built bench complete with dust extraction hood to minimize the dust in the grinding operation. The DM200 is mostly used in projects such as:

- Primary crushing
- Pilot plants
- Sampling stations

We are always ready to assist our customers to achieve contamination free grinding. Therefore, it will always be discussed with the customer which discs are applicable before offering the machine.

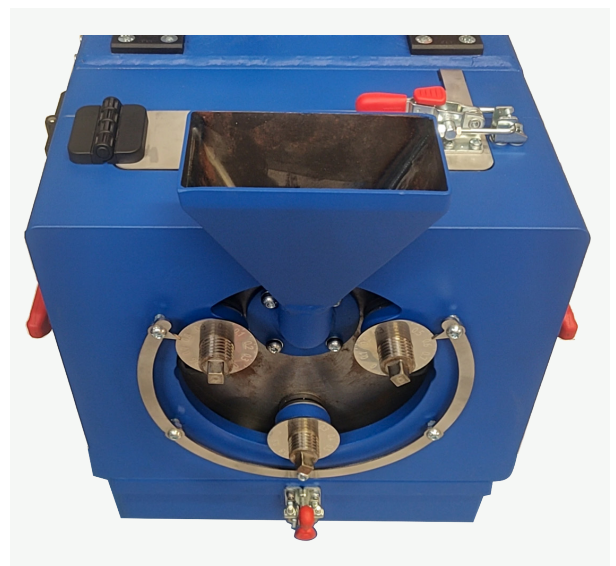
Aviable Spares materials for contamination free grinding

Material should be choosen according to the sampling material that is being processed. Other materials can be requested

- Zirconium oxide
- Tungsten carbide
- PU Coated
- Stainless steel
- Hardened steel
- Abramax 500



Disc mill with optional frame



DM200 Disc mill front view with scales

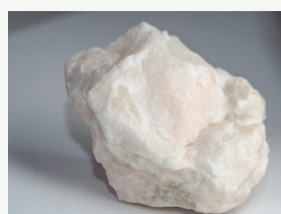
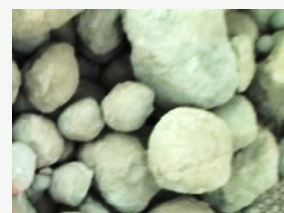


DM200 Disc Mill spare discs

Applications

The Disc Mill is enable to process a wide range of materials. These are some examples applications of the Disc Mill.

- Floors
- Wood fibres
- Plant materials
- Betonite
- Concrete
- Gypsum
- Sand
- Stone
- Cement clinker
- Bones
- Ores
- Tissue
- Sludges
- Catalysts
- Plastics
- Pigments
- Polymers
- Glass
- Hydroxylapatite
- Kaolin
- Ceramic oxides
- Quarz
- Clay minerals
- Cole
- Alloys
- Paints and lacquers
- Metal oxides
- Quarz
- Slags
- Electronic scrap
- Organic and unorganic waste
- Semi-precious stones



Technical specifications

Applications	Agriculture, Food production, Plastic, Recycling, Research and development, Pharmaceuticals
Working principle	Pressure and friction from one rotating disc and one stationary disc
Feed size	20 mm
End fineness	< 100µm*
Throughput	150 kg/h*
Speed setting	690rpm (828rpm at 60Hz)
Setting adjustment method	digital display with buttons
Disc material	Zirconium oxide, Tungsten carbide, PU Coated, Stainless steel, Hardened steel, Abramax 500 others on request
Collector sizes	3000ml
Electrical requirements	1.5 kW
Power supply	220V ± 10% - 50/60Hz
Power connection	3 phase
Standard	CE
Protection code	IP40
Weight	130kg
Dimensions (width x length x height)	865 x 420 x 385 mm