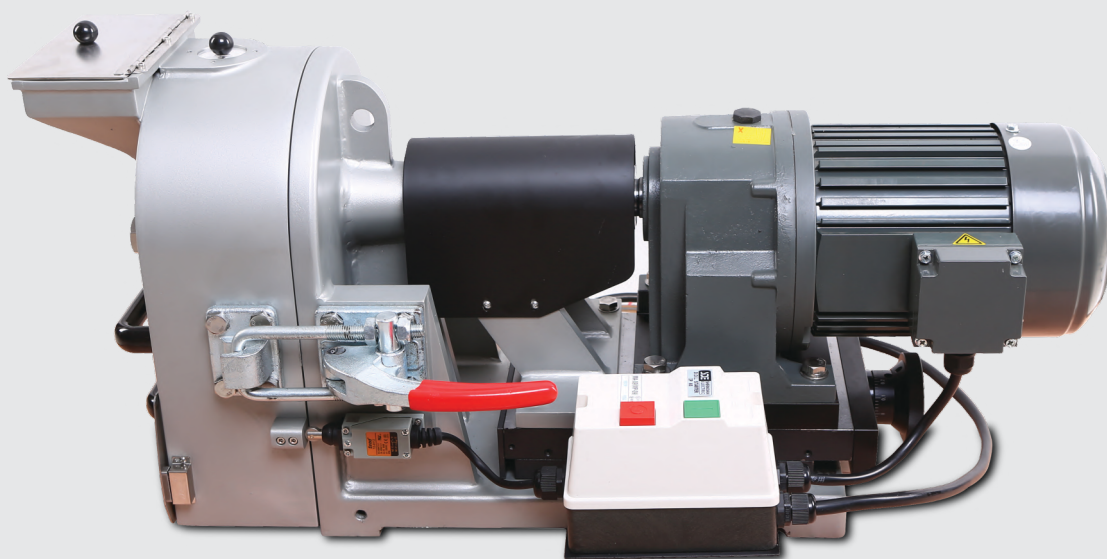
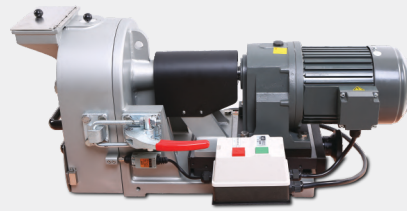


DISC MILL DM 1100



DISC MILL MODEL: DM1100

DM1100 is firm and durable, application to pre-grinding and fine grinding for medium hard, hard and brittle solid materials. It can grind samples into $100\mu\text{m}$ particles very quickly.



APPLICATIONS:

Concrete, building debris, granite, basalt, silicate, gypsum, dry soil samples, depositional sludge, quartz, coal, coke, lime mud, refractory clay, glass and ceramics etc.,



WORKING PRINCIPLE:

The samples are ground via the pressure and frictional force generated between a rotating disc and another fixed disc. After the sample enters into grinding chamber, the progressively arranged teeth of the grinding disc first subject the sample to preliminary crushing, centrifugal force then moves it to the outer regions of the grinding discs where fine grinding takes place. The ground sample falls into the sample receiver via the gap of the grinding discs.



You can use a frame to combine the disc mill DM1100 and jaw crusher JC1100 to realise one-step milling from 90mm- $100\mu\text{m}$, which can greatly improve the efficiency.



FEATURES AND ADVANTAGES:

- Simple operation, easy cleaning
- The sample feed size up to 20mm
- Large processing capacity of samples
- The gap of grinding discs can be adjusted continuously
- Efficient sample treatment, extreme size reduction can be reached in a short time. Grinding discs made of various materials are available for selection and wear-resistant. Dust discharge connector design can prevent sample powders from polluting environment.
- Disc Gap adjustment can be digitally displayed



INFORMATION ON MATERIAL OF GRINDING DISCS:

Material	Main components	Wear-resisting property	Sample characteristic
Hardened Steel	Cr, Fe	Good	Hard, brittle
Manganese Steel	Mn, Fe	Good	Extremely hard, brittle
Tungsten Carbide	WC 96%,Co4%	Extremely Good	Extremely hard, easy to grind samples
Zirconium Oxide	ZrO ₂ 99%	Good	Medium hard, brittle, heavy-metal free
Heavy metal free steel	Cr, Fe	Good	Hard, brittle

The grinding discs of DM1100 include two discs: one is fixed and other can rotate. Two grinding discs shall be made of the same material and their hardness must be higher than the grinded samples. In addition, the cross contamination between the disc material and the materials to be tested shall be considered



TECHNICAL DATA

Feed size	<20mm
Final fineness	< 75 μm
Speed	470 rpm
The gap setting	0.1-5mm
Collector capacity	2.5L
Digital Precision	0.01 mm
Rated power	1.5KW
Power supply	400/440 V,50Hz
Instrument size(W*D*H)	410*880*440mm
Package size(W*D*H)	600*1160*625mm
Weight	136kg



ORDERING INFORMATION

Disc Mill DM 1100

3/N~400/440 V, 50Hz

(Please order grinding set separately)

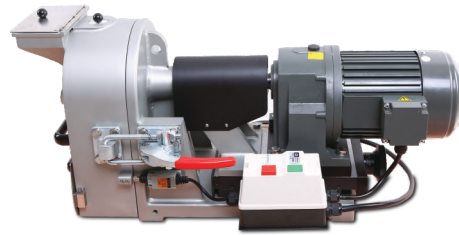
Grinding Sets

Grinding discs, Manganese steel, 1 pair

Grinding discs, Hardened steel, 1 pair

Grinding discs, Tungsten Carbide, 1 pair

Grinding discs, Zirconium Oxide, 1 pair



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