

INNOVATIVE TECHNOLOGIES

Disc Mill

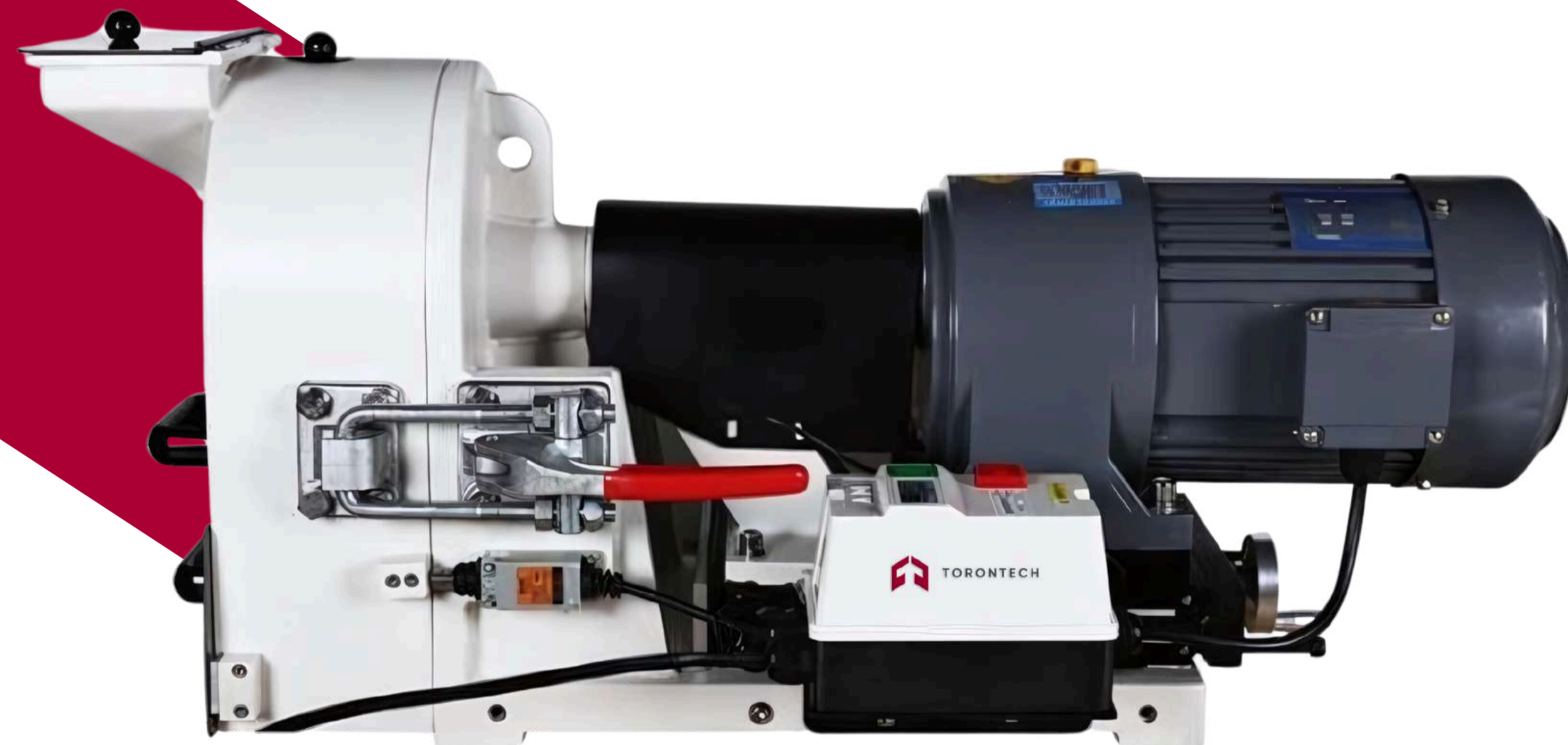
DP100





TORONTECH

Disc Mill DP100



Introducing the **Disc Mill DP100**, a durable and reliable solution tailored for the precise grinding of medium-hard, hard, and brittle solid materials.

Designed to excel in both preliminary and fine grinding tasks, this device boasts unparalleled efficiency in swiftly reducing samples to particles as minuscule as 100µm.

Elevate your grinding with Disc Mill DP100. Achieve precision particle reduction with Torontech.

Feed Size:
< 20mm

Final Fineness:
< 100µm

Speed:
470rpm



APPLICATION

Sample Type

- Concrete
- Building debris
- Granite
- Basalt
- Silicate
- Ceramics for dentistry
- Dry soil samples
- Depositional sludge
- Quartz
- Coal
- Coke
- Lime mud
- Refractory clay
- Glass
- Gypsum
- And more



WORKING PRINCIPLE

The grinding process is initiated by the interaction of pressure and frictional forces between a rotating disc and a fixed disc.

As the sample enters the grinding chamber, the teeth of the grinding disc, strategically arranged for progressive crushing, begin the initial phase of reduction. Guided by centrifugal force, the sample is propelled towards the outer periphery of the grinding discs, where fine grinding takes place.

Finally, the finely ground sample is collected in the sample receiver, passing through the gap between the grinding discs.



PRODUCT ADVANTAGES

➤ Effortless Operation and Maintenance:

Streamlined procedures ensure easy operation and straightforward cleaning, while the dust discharge connector prevents sample powder contamination.

➤ Versatile Performance and Capacity:

Capable of processing large sample quantities and accommodating feed sizes up to 20mm, offering high capacity processing and adaptability for various sample types.

➤ Precision Grinding Control and Efficiency:

Continuous gap adjustment between grinding discs ensures precise grinding control, while multiple material options for wear-resistant discs ensure efficient sample treatment and rapid size reduction.

TECHNICAL SPECIFICATION

ITEM	TECHNICAL PARAMETER
Feed size	<20mm
Final fineness	<100µm
Speed	470rpm
The gap setting	0.1~7mm
Collector capacity	2.5L
Digital precision	0.01mm
Rated power	1.5KW
Power supply	380V ,50Hz
Instrument size (W*D*H)	410*880*440mm
Package size (W*D*H)	600*1160*625mm
Weight	136Kg

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