

INNOVATIVE TECHNOLOGIES

Soil Mill

DP50



TORONTECH



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Soil Mill DP50



Introducing the **Soil Mill DP50**, a cutting-edge precision grinding tool revolutionizing soil testing.

Unlike conventional vertical disc mills, its horizontal disc arrangement swiftly reduces samples to under 75 microns. With seamless operation, minimal residue, and unparalleled efficiency, the DP50 is the go-to choice for large-scale environmental soil analysis.

Experience the pinnacle of crushing excellence with the Soil Mill DP50 by Torontech.

Feed Size:
<2mm

Final Fineness:
< 75µm (95%)

Speed:
800rpm



APPLICATION

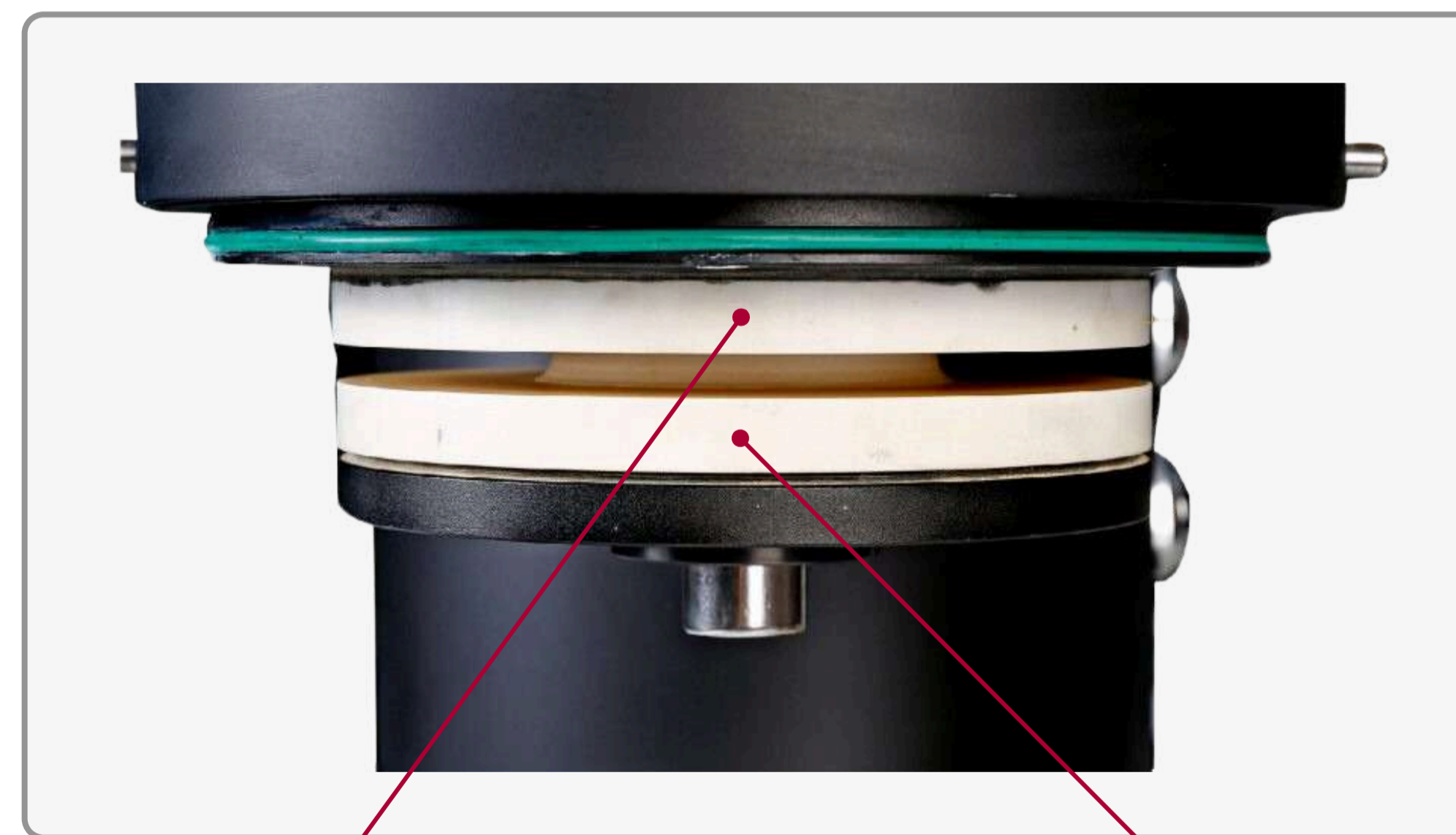
Sample Type

- Soil
- Building Materials
- Nuclear Ore
- Cement
- Concrete
- Cinder
- Coke
- Glass
- Porcelain
- Mineral
- Refractory Clay
- Granite
- Monohydrallite
- and many More.



WORKING PRINCIPLE

The Vibratory Disc Mill utilizes a combination of pressure, impact, and friction to effectively crush samples. Using a quick-action clamping device, it securely fastens the grinding set to the vibrating plate. Subsequently, the vibrating plate generates vigorous three-dimensional vibrations, intensifying impact, friction, and grinding forces on the grinding set. Concentrated on the samples, these forces swiftly transform them into powder.



Moving Grinding Disc

Fixed Grinding Disc



Display grinding disc clearance

PRODUCT ADVANTAGES

➤ **Versatile Grinding Control:**

Achieve precise and flexible grinding results by adjusting the gap width between discs. Whether it's preliminary grinding or fine-tuning, this feature ensures consistent and tailored outcomes for various applications.

➤ **Effortless Maintenance and Durability:**

Simplify cleaning with the mill chamber's hinge design, enabling easy access and thorough maintenance. Benefit from extended disc lifespan, ensuring reliable performance and minimizing downtime for enhanced productivity.

➤ **Safety and Contamination Prevention:**

Prioritize safety and quality with discs crafted from diverse materials, guaranteeing contamination-free grinding. Additionally, protect equipment and workspace with a dust-proof design, providing peace of mind and maintaining operational integrity.

TECHNICAL SPECIFICATION

ITEM	TECHNICAL PARAMETER
Feed size	<2mm
Final fineness	<75 μm (95%)
Speed	800 rpm
Collecting pan volume	2L
Grinding gap width adjust range	0-25mm
Grinding sets material	Hardened steel, agate, zirconium oxide, sintered aluminum, tungsten carbide
Rated power	550W
Power supply	220V,50/60Hz (110V Also available upon request)


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