

INNOVATIVE TECHNOLOGIES

Knife Mill

HM100



TORONTECH



Knife Mill

Experience the cutting-edge efficiency of the **HM100 Grinder from Torontech** – your ultimate solution for **precise grinding and homogenization of diverse samples**, from coarse to fine textures.

Crafted to meet rigorous standards, the HM100 features dual-blade knives for consistent, precise grinding. From coarse to delicate materials, its sharp steel edges ensure unparalleled results.

Discover HM100's versatility, setting a new standard in sample preparation excellence.

Feed Size:
< 40 mm

Final Fineness:
< 300µm

Speed:
2000-10000 rpm

APPLICATION

Sample Type

Soft, elastic, fibrous, water-containing, oily, fatty, dry samples.

Related Fields

- **Agriculture:**
Grains, feeds, etc.
- **Biology:**
Mouse tissues, plant leaves, seeds, seedlings, and germs.
- **Pharmaceutical:**
Medicine, pills, etc.
- **Food:**
Dried melons, vegetables, frozen food, candy, preserved fruits, and meat.

Working Principle

The HM100 boasts two-blade knives set at the grinding cup's center, maintaining a precise height gap for effective cutting. Driven by a 1,100W motor, its sharp steel edges ensure reliable crushing and uniform phase effects.

With electronically controlled speed, it delivers efficient and high-quality grinding homogenization within 10 to 30 seconds, ideal for challenging samples. Plus, it offers flexibility with options for coarse or fine grinding to suit various applications



PRODUCT ADVANTAGES

Versatile Grinding Options: The HM100 features a powerful 1.1KW motor with adjustable speed, allowing for both coarse and fine grinding in a single step. Plus, it offers three optional modes—interval, reverse, and press-and-play—for customized operation.

Container Flexibility: Choose from grinding containers available in various materials, with an option for an autoclavable container, ensuring suitability for different sample types and applications.

Easy Operation & Safety: Enjoy quick startup and easy operation with the HM100, equipped with overload protection and a safety lock design, ensuring user safety and convenience.

Versatile Operation: Our equipment delivers rapid grinding down to nano fineness, preventing clumping with automatic direction reversal. It offers versatility with four grinding platforms for simultaneous processing (BM40 model).

TECHNICAL SPECIFICATION

ITEM	TECHNICAL PARAMETER
Feed size	< 40mm
Final fineness	< 300µm
Speed	2000-10000rpm
Time setting	0: 01-9: 59 (min/s)
Batch quantity	150-700ml
Interval mode	Yes
Knives	stainless steel, titanium alloy
Number of blades	2
Rated power	1.1KW
Power supply	220V, 50/60Hz (110V Also available upon request)
Instrument size	260*343*454mm
Package size	480*550*720mm
Net weight	16kg


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TORONTECH

Phone: +1 416 368 2721 | Fax: +1 416 981 7652

Email: info@torontech.com

70 East Beaver Creek Rd., #9
Richmond Hill, Ontario L4B 3B2, Canada 

 USA | Canada | UAE | GCC | Africa | Latin America | Asia

TORONTECH.com