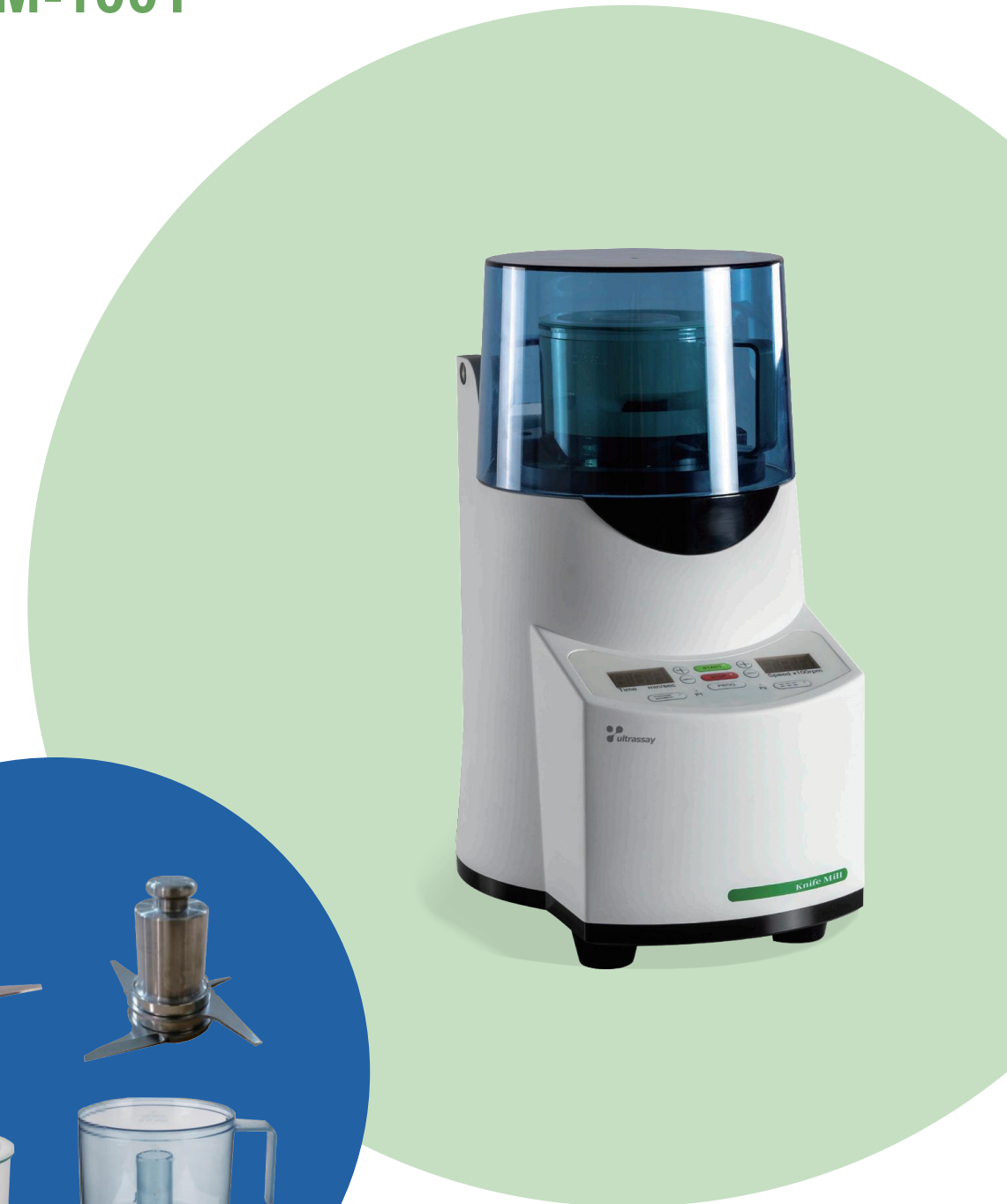


Features and advantages

- The sample volume up to 700ml/1400ml
- Autoclavable container for choice
- Grinding container in various material
- Simple operation and quick start
- Strong motor power 1.1KW, speed adjustable
- Coarse grinding and fine grinding can be realized in one step
- Three modes optional: Interval mode, reverse mode and press-and-play mode



HM-100/HM-100T Knife Mill



Technical Specification

Model	HM-100	HM-100T
Feed Size	< 40mm	< 50mm
Final Fineness	< 300 μm	
Speed	2000~10000rpm	2000~10000rpm (15000rpm boost)
Time Setting	0:01~9:59 (min/s)	
Batch Quantity	50~700ml	150~1400ml
Interval Mode	Yes	
Knives	Stainless steel, titanium alloy	
Number of blades	2	2, 4
Display	LCD	Touch Screen
Rated Power	900W	1.1KW
Power Supply	220V, 50/60Hz	
Overall Dimension	260x343x454mm	
Package Size	480x550x720mm	
Net Weight	16kg	



Accessories



- ① **Grinding container autoclave plastic:** High temperature and high pressure sterilization containers, meet strict hygiene standards of food and drugs. Suitable for soft oily, water, fat and fibrous samples.
- ② **Grinding container stainless steel 316L:** Applied for granules, shell, grain sample. Suitable for medium-hard, brittle, tough sample.
- ③ **Gravity lid:** for grinding small amount of samples with oil, fat, less water content.
- ④ **Gravity lid with overflow channels:** for grinding some fresh vegetables and fruits with a high water content.
- ⑤ **Knife of titanium alloy:** For grinding without heavy-metal contamination.
- ⑥ **Knife:** 2 blades, stainless steel; serrated blade, for tough frozen meat.
- ⑦ **Knife:** 4 blades, stainless steel with excellent wear and corrosion resistance.

Working principle

The HM-100/HM-100T has two-blade knives / four-blade knives at the center of the bottom of a grinding cup, A certain height gap is kept between the blades. Driven by a motor of 1100W, the knives start rotating. Reliable crushing and homogeneous phase effects are generated via the cutting of the sharp steel knife edges. The blunt side can be selected for coarse grinding of bulk samples or the tough side for the grinding of samples. The motor speed is electronically controlled and can be preset. The constant speed guarantees efficient and high-quality grinding homogenization. You just need 10 to 30 seconds to process samples that are usually hard to crush and get homogenized samples for analysis.

Knife Mill HM100

The knife mill HM-100/HM-100T is used to process the soft, medium-hard, brittle and fibrous sample. It is special for high water, oil or fat content samples.



HM-100

Sample type:

Soft, elastic, fibrous, water-bearing, oily, fatty, dry samples

Application example:

Agriculture: grain, feed, etc.

Biology: mouse tissue, plant leaves, seeds, seedling and germ.

Medicine: Chinese medicine, pills, etc.

Food: dried melon, vegetables, frozen food, candy, preserved fruit, meat.



Application Examples

Before grinding	After grinding	Parameter	
		Sample	Pork
		Speed setting	6000rpm
		Sample characteristic	High oil and fat
		Remarks	The feed size must be less than 2~3cm
		Time	30s
		Sample	Chives
		Speed setting	5000rpm
		Sample characteristic	Tough, fibrous
		Remarks	The feed size must be less than 4~5cm, use the gravity lid
		Time	1 min