

## knife mill for chopping various food and animal samples

Knife mill is a special instrument for crushing and homogenization of food samples, which can quickly crush the samples to analytical fineness and meet various requirements of laboratory analysis process.

### Knife Mill

The Knife Mill is engineered for precision grinding and homogenization of samples with high water, oil, fat, or dry content. Featuring a two-blade, double-edged rotary knife and a powerful motor, it delivers reliable results across a broad spectrum of sample types in food, agriculture, pharmaceuticals, and biological industries.

### Technical Features

1. **2000W powerful industrial motor:** Time and speed adjustable for optimal grinding results.
2. **Versatile grinding accessories:** Multiple material options to fit diverse experimental needs.
3. **Electromagnetic safety lock:** Ensures operator safety during operation.
4. **Program storage:** Stores up to 10 groups of grinding programs for easy recall of similar sample settings.



5. **Multiple operation modes:** Forward, reverse, intermittent, and click modes accommodate various grinding requirements.
6. **Plug-and-play accessories:** Easy installation; all grinding accessories are autoclave-compatible.
7. **Grinding jar materials:** Available in PP, PC, and stainless steel.
8. **Grinding knife materials:** Stainless steel and titanium options for durability and performance.

### **Working Principle**

Samples are placed into the grinding cup. The user sets the instrument's operating procedures based on sample type and size. The two-leaf rotary knife, featuring a blunt side for coarse crushing and a sharp edge for fine grinding, is driven by a powerful motor to cut, crush, and homogenize the sample efficiently.

### **Applications**

1. Dry, soft, brittle, elastic, water-containing, oil-containing, and fat-containing samples.
2. Food industry: fruits and vegetables, meat, cooked foods, dried fruit, and more.
3. Agriculture: grain, cereals, etc.
4. Pharmaceutical industry: Chinese herbal medicine, tablets, and related materials.
5. Biological industry: leaves, animal tissues, and similar samples.

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<b>Model</b>	<b>GM200</b>
Feed size	≤ 55mm
Discharge size	approx. 300um
Batch size	≤ 720ml
Grinding tank capacity	1L
Storage program	10 kinds of storage program
Timer	1s to 99min59s, continuously adjustable
Speed	1000 to 16000rpm, continuously adjustable
Interval mode	Yes
Intermittent timer	1s to 99min59s, continuously adjustable
Intermittent running time	1s to 99min59s, continuously adjustable
Power supply	220Vac, 50Hz

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<b>Model</b>	<b>GM200</b>
Weight	16kg
Dimensions	260x343x454mm