

## Tissue Grinding Machine



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### Introduction:

Tissue Grinding Machine can extract and purify original DNA, RNA, and proteins from any source, including soil, plant and animal tissues/organs, bacteria, yeast, fungi, spores, paleontological specimens, etc. It completes the grinding, crushing, mixing, and cell wall disruption of samples in a very short time.

### Features:

- \* In standard mode, BHY2 can process up to 24 samples in as little as 1 minute.
- \* The grinding process is fully enclosed, with samples moving independently to avoid cross-contamination.
- \* BHY2 has been upgraded to a dual-slide vertical oscillation mechanism, providing more thorough grinding, better stability, and a longer lifespan.
- \* Supports placing centrifuge tubes directly into the adaptor, supports pre-freezing of centrifuge tubes.
- \* Adopt for quiet operation to reduce interference with the surrounding environment.

### Applicable Samples:

- \* Animal tissues: brain, heart, lungs, stomach, liver, thymus, kidneys, intestines, lymph nodes, muscles, bones, hair, etc.
- \* Volatile samples: coal, oil shale, wax products, etc.
- \* Plant tissues: roots, stems, leaves, flowers, fruits, seeds, etc.
- \* Microorganisms: yeast, E. coli, etc.
- \* Food and pharmaceuticals: various foods, tablets, etc.
- \* Plastics, polymers: PE, PS, textiles, resins, etc.
- \* Environmental samples: soil, sediment, sludge, feces, etc.

### Adaptor:

Model	Standard	Optional
BHY2	 24*2ml	 96*2ml  48*2ml  32*2ml  16*5ml
		 8*10ml  2*15ml  2*25ml  2*50ml
Not suitable for low temperature grinding: 96*2ml/48*2ml		

### Technical Parameters:

Model	BHY2
Display	7-inch OLED touch screen
Oscillation Mode	Up and down vertical oscillation
Grinding Speed	500~2300rpm
Grinding Way	Dry grinding/wet grinding/low temperature grinding
Grinding Time	Each segment 0~120s, can be set in multiple segments
Programming	Multi-stage operation setup is available, automatically records the parameters of the last operation
Safety Lock	Mechanical butterfly safety lock + door-controlled electronic operation limit
Adaptor	Aluminum alloy material Standard: 24*2ml Optional(Can customize): 96*2ml/48*2ml/32*2ml/16*5ml/8*10ml/2*15ml/2*25ml/2*50ml Not suitable for low temperature grinding: 96*2ml/48*2ml
Grinding Ball	Standard stainless steel grinding ball: $\phi 3\text{mm} \times 800$ and $\phi 5\text{mm} \times 200$
Consumption	180W
Power Supply	AC110~220V, 50/60Hz
External Size(W*D*H)	265*405*510mm
Package Size(W*D*H)	375*530*670mm
Net Weight	29kg
Gross Weight	41kg

Note: 1. Low temperature grinding means that the some adaptor can be placed in a low temperature refrigerator or liquid nitrogen container to take out and then use, rather than the instrument with its own freezing function.  
2. If you purchase 2\*50ml adaptors, a set of grinding balls will be included as standard:  $\phi 8\text{mm} \times 40$ ,  $\phi 10\text{mm} \times 40$ ,  $\phi 12\text{mm} \times 20$  and  $\phi 14\text{mm} \times 20$ .