

Tissue Grinding Machine



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: φ3mm*800 and φ5mm*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 adapter 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 adapters, a set of grinding balls will be included as standard: φ8mm*40, φ10mm*40, φ12mm*20 and φ14mm*20.