



Model	Reference capacity for crushing
Φ2mm	0.1~5ml
Φ3mm	3~10ml
Φ6mm	10~100ml
Φ10mm	30~300ml

Model	Reference capacity for crushing
Φ12mm	50~500ml
Φ15mm	200~700ml
Φ20mm	2000~1000ml
Φ25mm	500~1500ml

* The actual processing capacity is related to the sample capacity ratio, concentration, temperature, state, etc. Please refer to the actual test.

- ◆ Large touchscreen display, intuitive parameter visualization, and convenient operation.
- ◆ Digital circuitry, automatic precise frequency tuning to $\pm 1\text{Hz}$ with real-time display.
- ◆ Equipped with a temperature probe, real-time sample temperature display, and sample temperature protection function.
- ◆ Integrated design with soundproof box, electric lift, optional lighting or sterilization lamp.
- ◆ Versatile application: Customize ultrasonic time, interval time, total time, and power ratio.
- ◆ Alarm functions: Timer, overload, no-load, over-temperature.



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Product Introduction

Ultrasonic homogenizer ultrasonic soundproof box integrated machine is a new compact and aesthetically designed unit that can safely process various organic and inorganic materials, ranging from 250 microliters to 1 liter*. Typical applications include nanotechnology (production of nano-particle materials and graphene dispersions), cell lysis, sample preparation, homogenization, ChIP analysis, emulsification, dispersion, and deagglomeration, as well as applications in the field of sonochemistry processing.

Model	YP-S500	YP-S650	YP-S900	YP-S1200	YP-S1800
Ultrasonic Frequency (KHz)	18~25 (Automatically Tracked)				
Ultrasonic Power (Adjustable)	500W	650W	900W	1200W	1800W
Duty Cycle	1~99%				
Display/Operation Method	8-inch TFT Color Touchscreen				
Standard ultrasonic top	Φ6mm	Φ6mm	Φ10mm	Φ15mm	Φ20mm
Optional ultrasonic top	Φ3/6/10	Φ3/6/10	Φ2/3/6/10/15	Φ2/3/10/12/15	Φ3/6/10/15/20/25
Disruption Capacity (ml)*	0.1~500	0.1~600	0.1~800	20~1000	20~2000
Single Ultrasonic Time	0.1~99.9 seconds				
Single Gap Time	0.1~99.9 seconds				
Total Time	1~99 hours, 59 minutes, 59 seconds				
Temperature Control Function*	Ultrasonic operation will pause when the material temperature reaches the set value, and it will automatically resume ultrasonic operation when the material temperature is 2°C below the set value.				
Incremental Function	Supported				
Data Storage	100 sets				
Product Weight	13.0 kg	13.0 kg	15.0 kg	17 kg	19 kg
Dimensions	Main Unit 280*280*495mm				
Input Power	220/110V 50/60Hz				

*Note:
For processing samples of different capacities, the corresponding amplitude bar needs to be selected; with higher power, thicker amplitude bars can be driven, corresponding to a larger processing capacity. If temperature control of samples is required, optional accessories include low-temperature constant temperature equipment, constant temperature cups, etc.