

# SCIENTZ-IID ULTRASONIC HOMOGENIZER

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## Features

- It adopts a PWM control switch power supply and the power is continuously adjustable
- It adopts 7 inches TFT touch screen display and high resolution
- 20 programs can be stored and created
- Central microcomputer centralized control
- Ultrasonic time, power arbitrary setting
- Sample temperature detection display, power display, microcomputer tracking, automatic fault alarm
- Sound Abating trap adopts sheet metal, spray plastic, ABS material, with lock function Intelligent lifting soundproof box



### Selected articles published using the SCIENTZ Ultrasonic Cell Pulverizer:

[1]ABBAD S, WANG C, WADDAD A Y, et al. Preparation, in vitro and in vivo evaluation of polymeric nanoparticles based on hyaluronic acid- poly (butyl cyanoacrylate) and D-alpha-tocopheryl polyethylene glycol 1000 succinate for tumor-targeted delivery of morin hydrate [J]. International journal of nanomedicine, 2015, 10 (305-20).

[2]CHEN W, LI Q, CAO J, et al. Revealing the structures of cellulose nanofiber bundles obtained by mechanical nanofiber via TEM observation [J]. Carbohydrate polymers, 2015, 117 (950-6).

[3]ULUKO H, ZHANG S, LIU L, et al. Effects of thermal, microwave, and ultrasound pretreatments on antioxidative capacity of enzymatic milk protein concentrate hydrolysates [J]. Journal of Functional Foods, 2015, 18 (1138-46).

[4]WANG K, QI J, WENG T, et al. Enhancement of oral bioavailability of cyclosporine A: comparison of various nanoscale drugdelivery systems [J]. International journal of nanomedicine, 2014, 9 (4991-9).

# Main Technical Parameters

|            |                             |                   |                             |
|------------|-----------------------------|-------------------|-----------------------------|
| Model      | SCIENTZ-IIID                | Temperature Alarm | 0 ~ 99.9℃                   |
| Frequency  | 20-25KHZ automatic tracking | Alarm             | Time, Overload, Temperature |
| Power      | 1000W (20-1000W adjustable) | Timing            | 1-999 min                   |
| Display    | 7 inches TFT touch screen   | Storage Data      | 20 groups                   |
| Tip        | 6 mm                        | Working Mode      | Gap/Continuity              |
| Optional   | 2,3 ,10,15 mm               | Power Supply      | 220/110V 50Hz/60Hz          |
| Volume     | 100μl-600 ml                | Power Box Size    | 430*245*300 mm              |
| Duty Ratio | 0.1-99.9 %                  | Main Box Size     | 345*345*535 mm              |

Note: Standard with titanium alloy transducer, titanium alloy transducer compared to the general transducer with high energy conversion rate, stable and durable, suitable for long time work and other advantages.

