

UIP2000hdT – Powerful Industrial Ultrasonic Device

www.hielscher.com/uip2000

Ultrasonic
Processor
UIP2000hdT



UIP2000hdT transducer and generator



Technical
Details

Ultrasonic processor UIP2000hdT (2000W, 20kHz) consisting of transducer and generator; digital control, color touch display, intelligent data recording on internal SD card, automatic frequency tuning, amplitude 25 micron, amplitude adjustable from 20 to 100%, dry running protected, remote control via browser on PC or MAC without software installation, transducer IP65 grade, titanium horn

Applications

Homogenization, Dispersing & Deagglomeration (e.g. nano particles), Wet-milling & Grinding (e.g. nano materials), Emulsifying, Lysis & Cell Disintegration, Extraction, Sonochemistry & Sonocatalysis

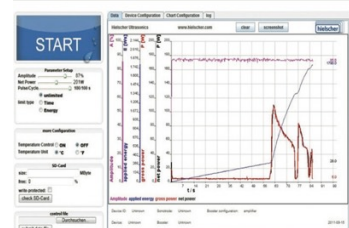
Advantages

Effectiveness: High-power, high performance ultrasonic device with 2000 watts power, various recirculation setups for continuous processing,
Reproducibility: Exact reproducibility by full control over the parameters „ Amplitude, Pressure, Temperature, Viscosity, and Concentration“
Scalability: All results achieved can be scaled up linearly.
Industrial Grade: Full industrial grade, for heavy-duty operation and permanent use 24 hours per day (24h/7d), scale-up by cluster installation

Items:

- Ultrasonic processor UIP2000hdT
 - o 115 volts o 230 volts
- Sonotrode BS4d34 (tip diameter 34mm)
- Sonotrode BS4d40 (tip diameter 40mm)
- O-Ring-Flange RFLA100
- Flow Cell FC100L1-1S w/ cooling jacket
- Flow Cell Insert34
- Booster Horn B4-2
- Stand ST2
- Sound Enclosure

browser control PC/MAC/Smartphone



hielscher ultrasonics