

UIP500hdT – Industrial Ultrasonic Device for Benchtop and Small Scale Production

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Ultrasonic Processor
UIP500hdT



UIP500hdT for batch sonication



UIP500hdT for inline sonication

Technical Details

Ultrasonic processor UIP500hdT (500W, 20kHz) consisting of transducer and generator; coloured touch display and intuitive digital control menu; SD-Card slot for automatic recording of all sonication parameters, browser remote control, temperature sensor, Ethernet: Browser Remote Control via LAN web interface; automatic frequency tuning, amplitude 25 micron, amplitude adjustable from 50 to 100%, dry running protected, 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, Gourmet Applications

Advantages

Effectiveness: High-power, high performance ultrasonic device with 500 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)



Front panel of the generator UIP500hdT with multi-color touch display
 All process data are automatically stored on an internal SD-Card

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