

UIP1500hd – Industrial Ultrasonic Device for Benchtop and Production

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Ultrasonic
Processor
UIP1500hd



UIP1500hd transducer and generator



UIP1500hd for inline sonication

Technical
Details

Ultrasonic processor UIP1500hd (1500W, 20kHz) consisting of transducer and generator; automatic frequency tuning, amplitude 25 micron, amplitude adjustable from 50 to 100%, dry running protected, interface for remote or PC-control, 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 1500 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)

Items:

- Ultrasonic processor UIP1500hd
 - 115 volts
 - 230 volts
- Sonotrode BS2d34 (tip diameter 34mm)
- Sonotrode BS2d40 (tip diameter 40mm)
- O-Ring-Flange RFLA100
- Flow Cell FC100L1-1S w/ cooling jacket
- Booster Horn B2-1.8
- Stand ST2
- Sound Protection Box SPB2
- Power Meter PowMet
- LabLift

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