



**UIP1500hd – Industrial Ultrasonic Device for Benchtop and Production**

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<p>Ultrasonic Processor UIP1500hd</p>		
	<p>UIP1500hd transducer and generator</p>	<p>UIP1500hd for inline sonication</p>
<p>Technical Details</p>	<p>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</p>	
<p>Applications</p>	<p>Homogenization, Dispersing &amp; Deagglomeration (e.g. nano particles), Wet-milling &amp; Grinding (e.g. nano materials), Emulsifying, Lysis &amp; Cell Disintegration, Extraction, Sonochemistry &amp; Sonocatalysis</p>	
<p>Advantages</p>	<p><b>Effectiveness:</b> High-power, high performance ultrasonic device with 1500 watts power, various recirculation setups for continuous processing,  <b>Reproducibility:</b> Exact reproducibility by full control over the parameters „ Amplitude, Pressure, Temperature, Viscosity, and Concentration“  <b>Scalability:</b> All results achieved can be scaled up linearly.  <b>Industrial Grade:</b> Full industrial grade, for heavy-duty operation and permanent use 24 hours per day (24h/7d)</p>	

**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