

UIP4000 – Powerful Industrial Ultrasonic Device

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<p>Ultrasonic Processor UIP4000</p>	 <p>UIP4000 transducer with Cascatrode™</p>	 <p>UIP4000 transducer cabinet and generator</p>
<p>Technical Details</p>	<p>Ultrasonic processor UIP4000 (4000W, 20kHz) consisting of transducer and generator; automatic frequency tuning, amplitude approx. 20 micron, amplitude adjustable from 50 to 100%, controlled by a microprocessor, LCD status display ,interface for external control signals, dry running protected, titanium horn</p>	
<p>Applications</p>	<p>Homogenization, Dispersing & Deagglomeration (e.g. nano particles), Wet-milling & Grinding (e.g. nano materials), Emulsifying, Lysis & Cell Disintegration, Extraction, Sonochemistry & Sonocatalysis</p>	
<p>Advantages</p>	<p>Effectiveness: High-power, high performance ultrasonic device with 4000 watts power, various recirculation setups for continuous processing</p> <p>Reproducibility: Exact reproducibility by full control over the parameters „ Amplitude, Pressure, Temperature, Viscosity, and Concentration“</p> <p>Scalability: All results achieved can be scaled up linearly.</p> <p>Industrial Grade: Full industrial grade, for heavy-duty operation and permanent use 24 hours per day (24h/7d), scale-up by cluster</p>	

Items & accessories available:

- Ultrasonic processor UIP4000 consisting of transducer and generator
- various Blocksonotrodes
- various Cascatrodes
- various Flow Cells w/ cooling jacket
- various Booster Horns
- Sound Protection Cabinet



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