

UIP6000hdT – 6kW Powerful Industrial Ultrasonicator

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Ultrasonic Processor UIP6000hdT for high throughputs



UIP6000hdT transducer and generator



UIP6000hdT + flow cell

Technical Details	Ultrasonic processor UIP6000hdT (6000W, 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 IP52 grade, titanium horn
Applications	Homogenization, Dispersing & Deagglomeration (e.g. nano particles), Wet-milling & Grinding (e.g. nano materials), Emulsifying, Extraction, Disintegration, Petrochemistry, Sonochemistry & Sonocatalysis
Advantages	<p>Effectiveness: High-power, high performance ultrasonic device with 6000 watts power, various flow-through setups (e.g. MultiSonoReactor) 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 installation</p>

Items & accessories available:

- Ultrasonic processor UIP6000hdT consisting of transducer and generator
- various block sonotrodes
- various Cascatrodes
- various flow cells and reactors w/ cooling jacket
- pressure sensor

- various booster horns
- Sound protection cabinet

