## www.hielscher.com

## Powerful Probe-Type Sonicator UP400St (400 watts) www.hielscher.com/up400st

Stand- mounted Ultrasonic Processor UP400St	Image: With the second secon	The UP400St features a color           couch-display, SD-card slot, LAN           port and temperature sensor
Technical Details	UP400St: 400 watts, 24kHz; for stand-mounted use; automatic frequency tuning, amplitude adjustable from 20 to 100%, pulse adjustable from 0 to 100%, with colored touch-screen & digital control, operation and control via LAN, automatic data recording, dry running protected, IP30 grade, titanium horn, in portable case	
Applications	Homogenization, Dispersing & Deagglomeration (e.g. nano particles), Wet-milling & Grinding (e.g. nano materials), Emulsifying, Lysis & Cell Disintegration, Extraction, Sonochemistry	
Advantages	<ul> <li>Effectiveness: High-power lab device for sonication of larger volumes from 5 mL up to 4L in the batch and approx. 10 to 50 litres per hour with flow cell.</li> <li>Flexibility: Beaker sonication and continuous sonication for applications in lab &amp; bench-top scale and for small production.</li> <li>Simplicity: The operation settings can be adjusted via the colored touch-screen. All functions are easily and intuitively reachable through one main menu. The UP400St is simple to use and easy to clean.</li> </ul>	
		browser control

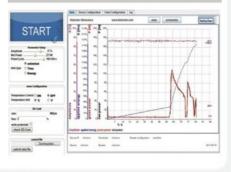
## Items:

- □ Ultrasonic Processor UP400St o 115 volt o 230 volt
- □ Sonotrode S24d7 with 7mm tip diameter
- □ Sonotrode S24d14 with 14mm tip diameter
- □ Flow Cell FC22K stainless steel, volume approx. 15ml
- $\hfill\square$  Sonotrode S24d22D with seal for flow cell FC22K

□ Stand ST1-16

□ Sound Protection Box SPB-L, made from acrylic glass





## hielscher ultrasonics

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