

## Ultrasonic homogenizers



**Brand:** BANDELIN Sonoplus

**Model:** HD 2200

**Custodian:** Sirichai Kositarat

**Location:** K639 Room, 6<sup>th</sup> Floor, Chaloeprakiet Building, Phyathai Campus

Description	Specification	
Power/Frequency	200 W / 20 kHz	
Probe Type	<b>TT 13</b>	<b>MS 72</b>
Probe Diameter (mm)	12.7	2
Volume Range (mL)	20 - 900	2 - 30
Amplitude ( $\mu\text{m}$ )	149	282
Maximum Amplitude Setting	100%	50%
Immersion Depth Limit (cm)	-	not over 2 cm
Time Mode	99 min: 59 s continuous or timed	

Applications	Fields of application
Emulsification	Production of emulsions
Homogenizing	Homogenization of substances
Suspending	Sample preparation for HPLC
Cell disruption	Disruption of cells, bacteria, virus, tissue
Degassing	Degassing of fluids
Accelerating Reactions	Sample preparation for particle size analysis
Sonochemistry	Acceleration of chemical reactions
	Waste-water analysis