

Ultrasonic Processor (UF-200)



● Easy Operation

Application: Chinese Medicine Extraction, Cell Disruption, Particle Dispersion, Emulsification, Chemical Reaction Accelerating, Wafer Dicing, Degassing, Plastic Welding, Small Metal Welding, Impacting, Stirring, Parts Cleaning, Deburring, etc.

More application will be available by changing the different front-end horn

● Fields Applied

1. **Life Sciences:** structural destruction of cells/DNA such as bacteria, viruses, spores, etc.
2. **Materials Chemistry:** dispersion of nanomaterials such as carbon nanotubes and graphenes; disintegration and emulsification of rock, soil, and rare-earth elements
3. **Pharmacy:** dispersion and extraction of Chinese/herbal medicine; acceleration of Chinese/herbal medicine's reaction

● Specification

Output Power	Max. 200W (output power will change according to diverse load)
Operating Method	Operate via manual control/automatic control/LCD touchscreen
Frequency	28 kHz
Ultrasonic Handpiece/ Transducer	With 3 m cable
Power	AC 110 V 50/60 HZ (single voltage) (AC 220 V is available as well)
Dimensions	200 W* 400 D* 130 H mm (Control Unit)
Weight	Approx. 5.1 kg
Accessories	Type B cable, Footswitch (with 2 m cable), and Air Cooling Pump 55 L/min (AC 110 V/AC 220 V) + 3 m Air Tube
Optional Accessories	Support Stand with a 3-Prong Clamp