

## Digital Ultrasonic Cleaner



A Digital Ultrasonic Cleaner is a device used for deep cleaning delicate objects using ultrasonic waves and a cleaning solution. It is commonly used in laboratories, medical fields, jewelry cleaning, and industrial applications.

### Key Features:

- Ultrasonic waves (20–40 kHz) create microscopic bubbles for gentle yet powerful cleaning.
- Digital control panel for adjusting time, temperature, and frequency.
- Tank made of stainless steel for durability and resistance to chemicals.
- Removes dirt, grease, and contaminants from intricate parts without damage.

### Working Principle:

1. The object is placed in a cleaning solution inside the tank.
2. Ultrasonic waves generate cavitation bubbles, which implode and remove contaminants.
3. The process cleans even hard-to-reach areas without physical scrubbing.

### Applications:

- Medical & Dental – Cleaning surgical instruments and dental tools.
- Jewelry & Watches – Removing dirt and tarnish.

- Electronics – Cleaning circuit boards without damage.
- Automotive & Industrial – Cleaning engine parts and tools.