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CREWORKS DUC-2US

CREWORKS Ultrasonic Cleaner User Manual

Model: DUC-2US | Brand: CREWORKS

INTRODUCTION

This user manual provides essential information for the safe and efficient operation of your CREWORKS Ultrasonic Cleaner. Please read this manual thoroughly before using the appliance and retain it for future reference. The CREWORKS Ultrasonic Cleaner is designed for professional and household use, effectively cleaning various items such as jewelry, watches, glasses, tools, and more, by utilizing ultrasonic cavitation and heating functions.

SAFETY INSTRUCTIONS

WARNING: To reduce the risk of fire, electric shock, or injury, please observe the following safety precautions:

- Do not disassemble the unit. Any repairs should be performed by qualified personnel only.
- Do not use the appliance unattended. Always supervise operation.
- Always ensure the tank is filled with sufficient fluid before operation to prevent damage to the unit.
- Unplug the unit from the power outlet before filling, draining, or performing any maintenance.
- Keep the appliance away from children and pets.
- Do not immerse the main body of the cleaner in water or other liquids.
- Use only appropriate cleaning solutions recommended for ultrasonic cleaners.



Figure 1: Front view of the CREWORKS Ultrasonic Cleaner, showing the control panel and a prominent warning label.

PRODUCT OVERVIEW

The CREWORKS Ultrasonic Cleaner features a durable stainless steel construction and intuitive controls for effective cleaning.

Key Components:

- **Stainless Steel Tank:** The main basin for holding cleaning fluid and items.
- **Control Knobs:** Separate knobs for temperature and time settings.
- **Heating Function:** Allows for heated cleaning to enhance effectiveness.
- **Ultrasonic Transducer:** Generates high-frequency sound waves for cavitation.
- **Stainless Steel Basket:** Included for holding items during cleaning, protecting the tank and items.
- **Non-slip Handles/Feet:** For secure handling and stable placement.
- **Noise-reducing Cover:** Helps to minimize operational sound.

- **Dissipation Holes:** Located on the unit for reliable performance and heat management.

CREWORKS

ULTRASONIC CLEANING MACHINE

Your Expert Solution to Stubborn Grime

WARNING

- Do not disassemble.
- Do not use unattended.
- Always use sufficient fluid.
- Unplug before filling & draining.

CREWORKS ULTRASONIC CLEANER

TEMPERATURE

NO OK

CLEANING min

TIME

Small Crevices

Worn Lenses

Damaging Chemicals

Delicate Objects

Figure 2: The ultrasonic cleaner shown with various items it can clean, including small crevices, worn lenses, and delicate objects.



HANDY CONTROL KNOBS

Set the temperature between 70 and 175°F and time up to 30 minutes with just a quick twist.

Figure 3: The included stainless steel basket, designed to protect both the cleaner and the items being cleaned.

SPECIFICATIONS

Feature	Detail
Model Number	DUC-2US
Tank Volume	2 Liters (1/2 Gallon)
Ultrasonic Power	60W
Heating Power	100W
Ultrasonic Frequency	40 kHz
Temperature Range	70-175°F (21-79°C)
Timer Range	1-30 Minutes
Material	304 Stainless Steel (Tank & Basket), 201 Stainless Steel (Exterior)
Product Dimensions	8.66 x 7.87 x 9.84 inches
Item Weight	5.6 Pounds

SPECIFICATIONS

2 L (1/2 gal.) Tank Volume



Figure 4: Detailed dimensions of the ultrasonic cleaner and its internal basket.

SETUP

- 1. Unpacking:** Carefully remove the ultrasonic cleaner and all accessories from the packaging. Inspect for any damage.
- 2. Placement:** Place the unit on a stable, flat, and dry surface, ensuring adequate ventilation around the machine. Avoid placing it near heat sources or in direct sunlight.

3. **Filling the Tank:** Open the lid and fill the stainless steel tank with an appropriate cleaning solution. Ensure the fluid level is between the MIN and MAX marks. Do not overfill.
4. **Connecting Power:** Plug the power cord into a grounded electrical outlet.

OPERATING INSTRUCTIONS

The CREWORKS Ultrasonic Cleaner is designed for ease of use with its intuitive knob controls.

CONVENIENT & EFFICIENT

Easily Adjust the Time & Temperature with Just a Quick Twist of the Knobs



Temperature Control
70–175°F



Timer Control
1–30 Min.

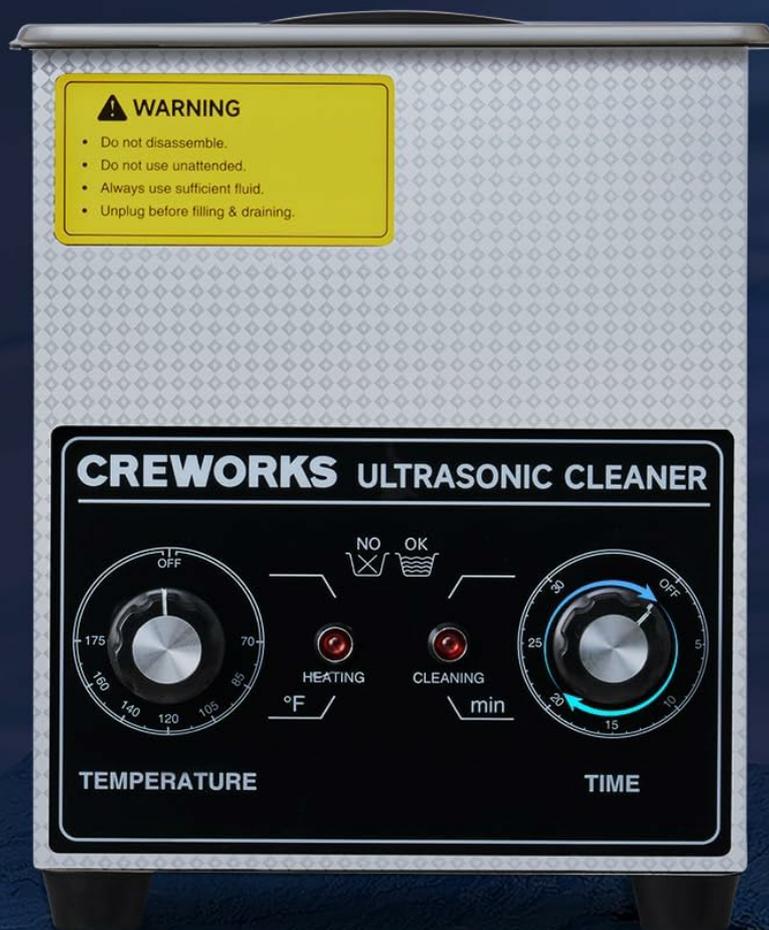


Figure 5: The control panel featuring temperature and time adjustment knobs.

1. **Prepare Items:** Place the items to be cleaned into the stainless steel basket. Ensure items are fully submerged in the cleaning solution but do not touch the bottom of the tank directly.
2. **Set Temperature:** Turn the **TEMPERATURE** knob to select the desired cleaning temperature (70-175°F). The heating indicator light will illuminate. Allow sufficient time for the solution to reach the set temperature.
3. **Set Cleaning Time:** Turn the **TIME** knob to select the desired cleaning duration (1-30 minutes). The cleaning indicator light will illuminate.
4. **Start Cleaning:** The ultrasonic cleaning process will begin automatically once the time is set. The unit generates 40 kHz ultrasonic waves, creating cavitation bubbles that thoroughly clean surfaces.
5. **Degas/Gentle Mode:** The unit features Degas and Gentle modes for specific cleaning needs, indicated by icons on the control panel. Degas mode helps remove dissolved gases from the solution for improved cavitation, while Gentle mode is suitable for delicate items.
6. **End of Cycle:** The unit will automatically stop when the set time expires. The indicator lights will turn off.
7. **Remove Items:** Carefully remove the basket with the cleaned items. Rinse the items with clean water and dry them thoroughly.

Understanding Ultrasonic Cavitation:

Ultrasonic cleaning works by generating high-frequency sound waves (40 kHz) that create millions of microscopic bubbles in the cleaning solution. These bubbles rapidly form and collapse (cavitation), releasing energy that dislodges dirt, grime, and contaminants from the surface of the items, even in hard-to-reach areas.

POWERFUL ULTRASONIC CAVITATION

Perfect 40 kHz Frequency Produces Liquid Molecules
for Thorough Cleaning and Effective Stain Removal



1000Pa
Ultrasonic
Pressure

100W
Heating
Power

40kHz
Ultrasonic
Frequency

60W
Ultrasonic
Power

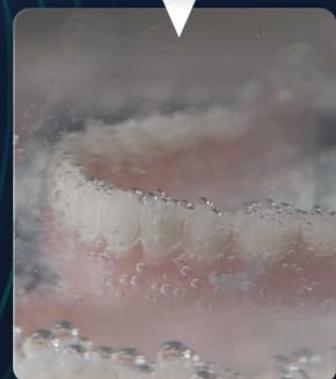


Figure 6: Visual representation of how ultrasonic cavitation works to clean items.

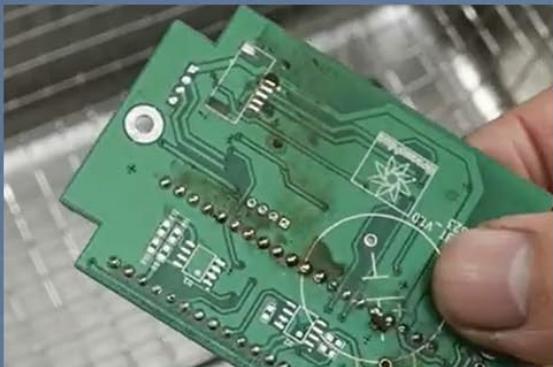
Cleaning Examples:

- **Jewelry:** Rings, necklaces, bracelets (avoid soft or porous stones like pearls, opals).
- **Eyeglasses:** Frames, lenses (check for coatings that may be damaged).
- **Watches:** Waterproof watches only (do not submerge non-waterproof watches).
- **Tools:** Small metal tools, drill bits, automotive parts.

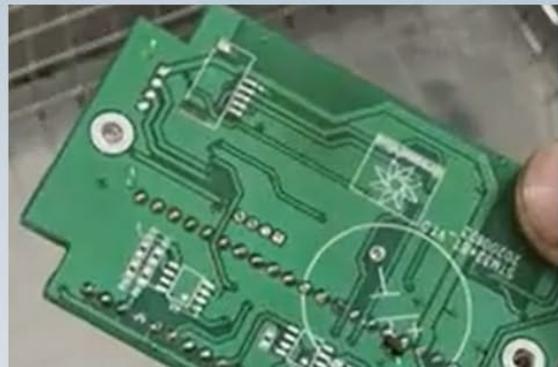
- **Other:** Dentures, retainers, small electronic components (ensure they are safe for liquid immersion).

VISIBLE CLEANING EFFECT

BEFORE



AFTER



Note: Unauthorized use of Crewworks' pictures will lead to legal action.

Figure 7: Examples of cleaning effectiveness on glasses, razor blades, and circuit boards.

Official Product Video:

Your browser does not support the video tag.

Video 1: "Crewworks Ultrasonic Cleaner Your Cleaning Headache Solver" - This video demonstrates the ultrasonic cleaner's features and its effectiveness in cleaning various items, highlighting its ease of use and powerful cleaning capabilities.

MAINTENANCE

1. **Draining the Tank:** After each use, especially if the solution is dirty, unplug the unit and carefully drain the fluid. The unit may have a drain valve for larger models, or you may need to carefully pour out the liquid for smaller models.
2. **Cleaning the Tank:** Wipe the inside of the tank with a soft cloth. For stubborn residue, use a mild cleaner and rinse thoroughly. Do not use abrasive cleaners or scourers.
3. **Exterior Cleaning:** Wipe the exterior of the unit with a damp cloth. Do not use harsh chemicals.
4. **Storage:** Store the unit in a cool, dry place when not in use. Ensure the tank is empty and dry before storage.



Figure 8: The interior of the 304 stainless steel tank, highlighting its food-grade material for easy cleaning and durability.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Unit does not power on.	No power supply; power cord not properly connected.	Check power outlet and ensure power cord is securely plugged in.
Ultrasonic function not working.	Insufficient water level; timer not set.	Ensure tank is filled to appropriate level and timer is set.
Heating function not working.	Temperature knob not set; insufficient time for heating.	Set temperature knob to desired setting. Allow adequate time for heating.
Poor cleaning results.	Incorrect cleaning solution; insufficient cleaning time/temperature; items too large or tank overloaded.	Use appropriate cleaning solution. Increase time or temperature. Clean smaller batches of items.

WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the warranty card included with your product or contact CREWORKS customer service directly. Please have your model number (DUC-2US) and purchase date available when contacting support.

For more information, visit the official CREWORKS store: [CREWORKS Store](#)