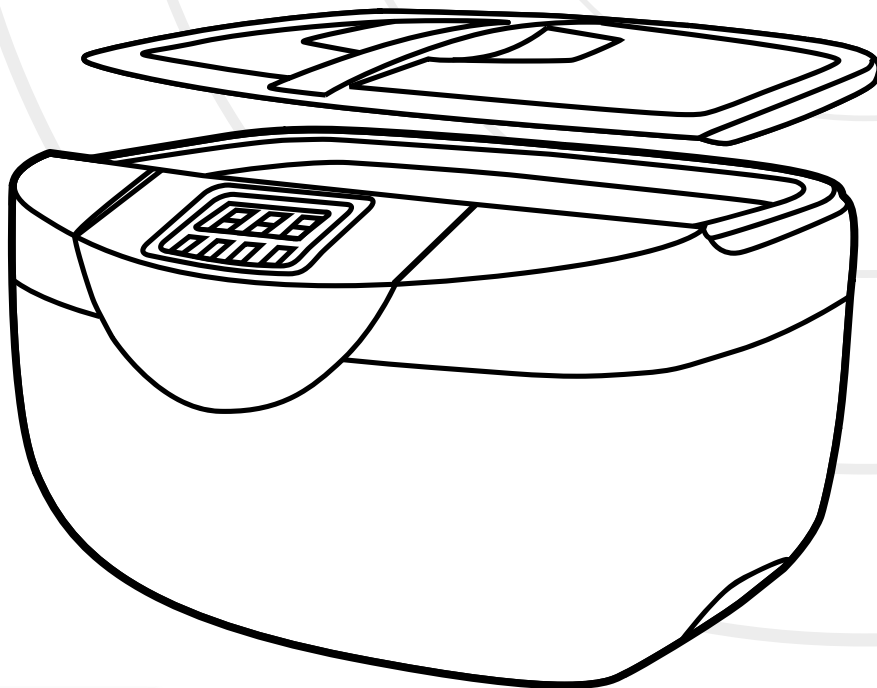


James[®]
PRODUCTS

ULTRA 8050

Professional Ultrasonic Cleaner

User Manual



Features

Lengthened tank

Tank capacity: 2500ml; Size: 24.5 x 15.0 x 7.6 cm / 9.6" x 5.9" x 3.0".
Longest item that can fit inside the tank is 26.0 cm / 10.2"

Industrial grade ultrasonic transducer

Ø38 industrial transducer (60W), giving 170W cleaning power

Built-in heater

5 program digital heater function, 65°C temperature limited

Overheat protectors

When overloaded or improperly used, the protectors shut down the power to certain areas to protect the machine

Detachable power cord

Independent power switch and detachable power cord

Moisture-proofed PCB with industrial IC

Capable for different working environments with better anti-interference performance

SPECIFICATION

Description	Digital Ultrasonic Cleaner		
Model	ULTRA 8050		
Tank Capacity	2500 ml	Max. 2200 ml	Min. 600 ml
Power Supply	170 W (AC 220~240V 50/60Hz)		
Digital Timer Settings	<input type="checkbox"/> 90s <input type="checkbox"/> 180s <input type="checkbox"/> 280s <input type="checkbox"/> 380s <input type="checkbox"/> 480s		
Ultrasonic Frequency	42,000 Hz		
Tank Material	Stainless Steel SUS304		
Net Weight	2.5 kg		
Unit Size (L W H)	290 x 235 x 165 mm		
Mains Fuse	3A (Only use a 3A ASTA approved to BS1362 fuse)		

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INTRODUCTION

Use tap water. Special solutions are not necessary in most cases.

Principles of ultrasonic cleaning:

Millions of tiny air bubbles are generated within liquid by high frequency vibration. The air bubbles burst when in contact with object and dislodge the debris to achieve the cleaning effect.



- Using tap water is sufficient. Purified water or distilled water has the same cleaning effect as regular tap water for ultrasonic cleaning.
- When cleaning silver or copper items where oxidation has darkened the items, special solutions such as SeaClean2, needs to be added to the water to remove the oxidation.

Read the Manual First

The Ultra range of ultrasonic cleaners are very easy to use, although to get the best from your new purchase, we recommend you read this User Guide before getting down to any serious cleaning. It also contains important safety information as well as practical hints.

UNPACKING

Remove your Ultra 8050 cleaner from its packaging and ensure that along with this User Guide you have the correct mains plug fitted for your supply and you have the specified accessories.

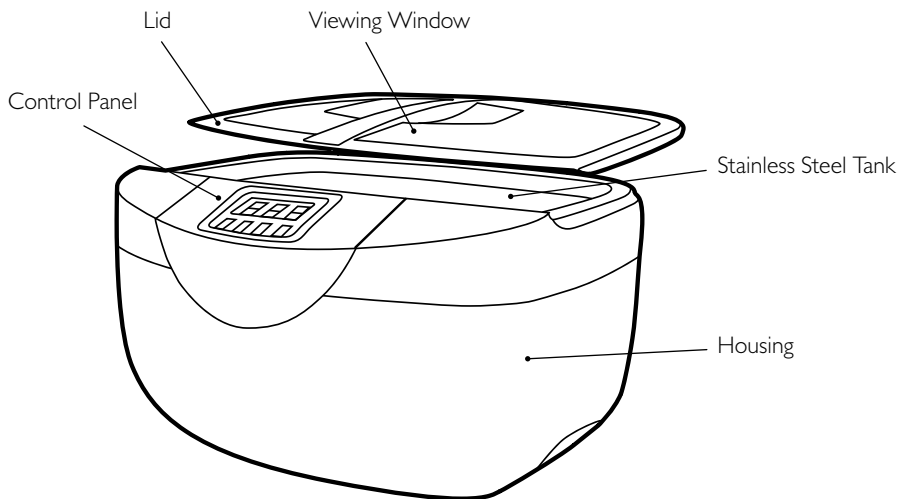
Retain the packing carton for storage of your unit, and also in the unlikely event that the unit needs to be returned for service or repair.



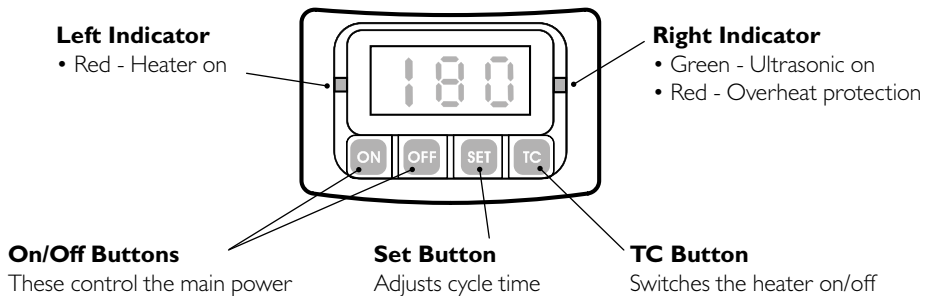
This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have supervision or have been given instruction concerning use of the appliance by a person responsible for their safety.

Unplug this product before filling with water. Fill with water only, unless otherwise specified by manufacturer to use a special cleaner. Do not overfill.

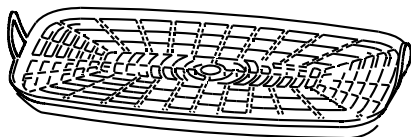
FEATURES AND ACCESSORIES



Control Panel Overview



Included Accessories

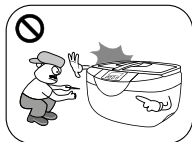


Tray

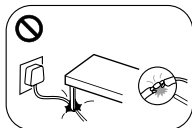


Power Cable

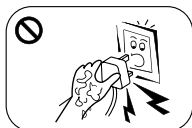
SAFETY INSTRUCTIONS



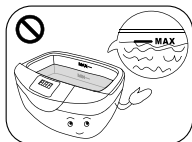
Do not attempt to remove any screws or panels.
There are no user serviceable parts inside.



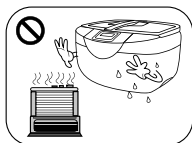
Do not operate this unit if the cord or plug is damaged.
Please refer to a service centre for examination and repair.



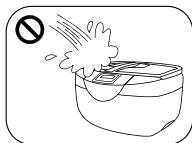
To avoid electric shock never touch the cord or socket with wet hands.



Never operate the unit when empty - damage may occur.
Keep the unit unplugged before filling.
Do not use boiling water as damage to the unit may occur.
Do not exceed the "MAX" marking on the inside of the tank.
Always unplug the unit immediately after use and before emptying the liquid.



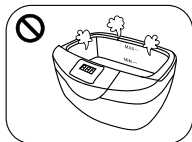
Do not operate the unit next to heat sources such as radiators.
Operate on a dry level surface.



To avoid electric shock do not immerse the unit into water or other liquid.
The unit should not be exposed to dripping or splashing and no objects filled with liquids should be placed on top of it. When emptying, always pour liquid away via the back, avoiding the ventilation slots / power inlet on the sides and control panel on the front face.



Do not fill the tank with abrasives or corrosive chemicals (such as solvents, acids or alcohol).
Repeated cleaning cycles will enhance the cleaning effect.



Never leave the unit unattended when the heater is switched on.
Always unplug and clean the unit when left overnight.

3 LEVEL CLEAN PLAN

Lightly stained items

Use warm water and a few drops of washing up liquid

1

General staining or light tarnishing

Use warm water (45-60°) and SeaClean2 Double Concentrate

2

Heavily stained or tarnished metals

Use warm water (45-60°) and add up to 50% more SeaClean2

3

Use the appropriate level for your items:



Jewellery

Necklaces, rings, bracelets etc.

1 2 3



Porous stones such as pearls etc. should not be immersed. Use the optional watch stand to hold the stones out of the water. If in doubt please refer to our website: www.jamesproducts.co.uk for further details.



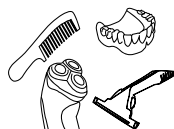
Watches and glasses / sunglasses

Waterproof wristwatches, watch chains, glasses, sunglasses etc.

1 2 3



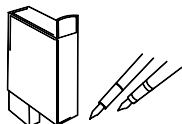
Watches should be fully waterproof (30m or more). For watches that are not waterproof, a Watch Stand can be used to keep the watch face out of the water. Please ensure that spectacle lenses are facing upwards and free from any contact of any other object including the base of the tank. The coating on some spectacle lenses can exhibit hairline cracking during ultrasonic cleaning. If in doubt check with your optician or with James Products Limited before cleaning such items.



Toiletry items

Electric toothbrush heads, electric shaver heads, razor blades, combs, toothbrushes, dentures etc. Ensure that all items are waterproof and non-porous.

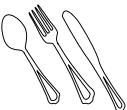
1 2 3



Office equipment

Printer heads, printer cartridges, fountain pen nibs, wax or rubber stamps etc.

1 2 3



Tableware / Cutlery

Wood or bone handled tableware / cutlery should not be immersed. Only all-metal or plastic tableware should be cleaned.

1 2 3



Metal items (some metals need enhanced cleaning - see p8)

Metal cutlery (knives/forks, etc.), old coins, metal badges, valves, machine nozzles, small metal parts, etc. For best results use SeaClean2 concentrate as directed.

1 2 3



Any unfirm or inlaid item may become loose. Items that are easy to be discoloured are not recommended for ultrasonic cleaning. eg: textiles, leather products, woodware etc. DO NOT put any objects that are porous (e.g. tortoiseshell or hawksbill spectacle frames) or not waterproof (e.g. mobile phones) in the tank for cleaning as damage may occur.

sea clean2

DOUBLE STRENGTH CONCENTRATE



Made from a unique formula containing natural products, mixing carefully balanced quantities of seaweed, coconut oils and fruit extracts to create a powerful cleaning solution.

SeaClean2 will expertly clean tarnished items and assist in the removal of carbon, rust and dirt from most solid metals*, precious stones* and inkjet cartridges to return them to a shiny condition.

Available in 500ml, 1L, 5L and 25L bottles.

* Please refer to our website for exclusions.

Important tips for getting better results

- To start, fill the tank with warm tap water (ideally 45° to 50° C). Never boiling, but bearable to put your hand into. You will always get better cleaning results with warm water and it will help the unit to achieve maximum cleaning potential more quickly.
- Some items need added detergent for cleaning. We recommend 3 to 4 drops of regular washing up liquid when cleaning objects such as spectacles, toiletry items, office items, etc.
- Do not overload or stack items. Remember whatever the water touches, it will clean.
- When cleaning spectacles, ensure that the lenses are free from any objects and are facing upwards. As mentioned on previous page, the coating on some spectacle lenses can exhibit hairline cracking during ultrasonic cleaning. If in doubt, check with your optician or the manufacturer before cleaning such items.
- Some spectacles are not suitable for ultrasonic cleaning because the frames are made from porous materials. If you have any doubts, consult either the supplier of the spectacles or James Products before placing them in the ultrasonic cleaner.
- Delicate items - Do not place delicate items directly on the stainless steel tank of the cleaner as the process of agitation may cause minor scratching. For such items, always place them on the supplied plastic tray before immersing into the tank. Do not place items too close together in order to prevent scratching through contact with other items. Unavoidably, the tray absorbs some of the ultrasonic energy which may slightly reduce the effectiveness of the cleaning action.



Note: *If in doubt about cleaning any item, please check with the product provider or with James Products Limited before using the Ultrasonic Cleaner.*

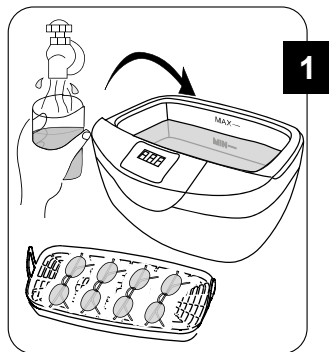
For more advice please refer to our website: www.jamesproducts.co.uk

OPERATION INSTRUCTIONS

How do I use the Ultra 8050 cleaner?



Note: To avoid causing permanent damage: Never operate the unit without water in the cleaning tank. Never use boiling water.

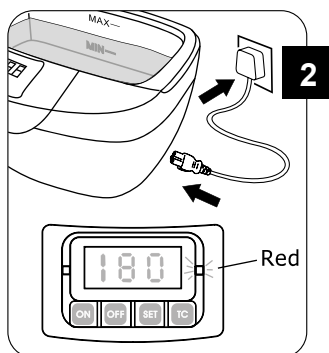


Open the lid. Place the items to be cleaned on the tray (supplied) and place the tray in the tank.

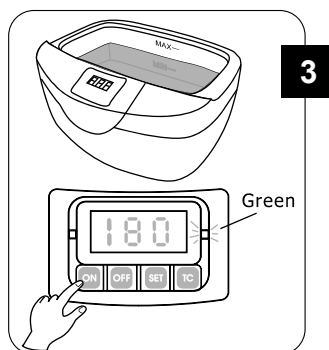


To avoid the possibility of scratches from friction during operation, do not overlap items. Ensure items are spaced apart.

Add warm tap water (ideally 45 to 50°C - this helps the unit achieve maximum cleaning potential more quickly) in the stainless steel tank, ensuring that the items and tray are covered but the water level is between the "MIN" and "MAX" marking. Do not exceed the "MAX" marking on the inside of the tank.



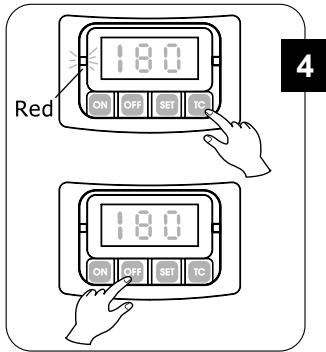
Close the lid and ensure your hands are dry. Plug the supplied mains cable into the unit and then into the nearest mains outlet. When the unit is plugged in, the display will show the 180 second (3 minute) setting. If a different time is required, press the SET button to cycle the time through the five settings 180s - 280s - 380s - 480s - 90s. Move to the next step when the display shows your required time.



Press the ON button to start cleaning. The green operation indicator will illuminate while the unit is in operation. The built-in timer will count down the time automatically. When the timer counts down to **000** the unit will automatically stop. If required, you can press the OFF button at any time to stop or pause the cleaning process. Press the ON button again to resume cleaning and continue the countdown. When cleaning has finished, you can press the ON button again to repeat the process.

Note: During operation the unit will "buzz", this is normal.

OPERATION INSTRUCTIONS



Using the HEATER function.

Press the "TC" button to start the built-in heater. The left-side red indicator on the control panel will illuminate. The fluid will heat to a maximum of 65 degrees C.

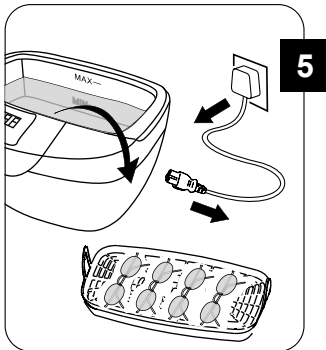
To start the cleaning process press the ON button (as described in point 3).

If required, you can press the OFF button at any time to stop or pause the cleaning process. Press the ON button again to resume cleaning and continue the countdown. You can press the SET button at any time to reset the program.



This Ultrasonic Cleaner has built in circuit protection to avoid overheating.

If the overheat protection activates then the right-side red indicator will illuminate and the unit will cease to operate. After approximately 15 minutes, after allowing the unit cool down, press the ON button to resume operation.



When cleaning is finished, unplug the mains cable from the mains outlet and from the unit. Then open the lid to remove the item(s).

Pour away the water via the back, avoiding the ventilation slots / power inlet on the sides and control panel on the front face. Wipe the stainless steel tank with a clean dry cloth.

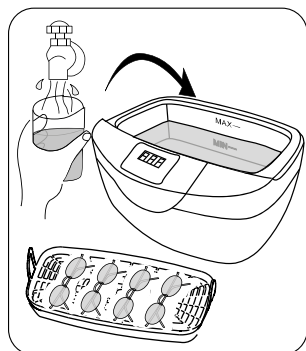
Emptying the tank

- Remember to change the water between cycles as it becomes dirty.
- Always ensure the unit is unplugged when changing the water.
- Always pour liquid away via the rear channels, avoiding the ventilation slots / power inlet on the sides and control panel on the front face.

DIFFERENT CLEANING METHODS



Note: To avoid causing permanent damage: Never operate the unit without water in the cleaning tank. Never use boiling water.



Note: Care should always be taken to ensure when putting multiple items in the cleaner that they are not rubbing against each other, as this can cause scratches or damage to the items.

General Cleaning

Use warm tap water (ideally 45 to 50°C) with a few drops of washing up liquid. Place the item to be cleaned on the tray and place it in the unit. Pour in the water and ensure the water level is between the "MIN" and "MAX" marking. Plug the unit in. The default setting of 180s is normally sufficient for general cleaning.



Enhanced Cleaning

If the item is very dirty or has oil or grease smears then you can achieve amazing results by using our SeaClean2 Double Concentrate (see page 5 for details). You can also use the inbuilt heater to raise the warm solution to achieve optimum temperature throughout the cleaning cycle.

Place the item to be cleaned on the tray and place it in the unit. Pour in the water and ensure the water level is between the "MIN" and "MAX" marking. Plug the unit in.

Press the "TC" button and the heater will warm the water to a maximum of 65° C. Using the time setting of 280s - 480s is recommended for enhanced cleaning. A final cleaning cycle, using plain water, is recommended after using soaps or detergents in order to clean any remaining residue from the items being cleaned.

Cleaning Large Items- If the item is too large to fit completely in the tank, then you can use the ultrasonic cleaner with the item partly immersed with the lid off. Ensure the "MAX" marking is not exceeded once the item is immersed. It is perfectly safe to use the cleaner with the lid off, although we recommend you leave the lid on where possible as it will help to keep the fluid warmer for longer.

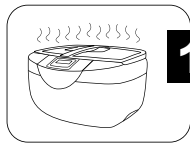
Warm fluid = Better cleaning, every time.

Important notes

- Care should be taken when using different types of cleaning soaps or detergents. Always ensure they are suitable for the item you are cleaning. If in doubt, please ask James Products or check www.jamesproducts.co.uk.
- If there is any danger of scratching to an item to be cleaned, then place the item on the plastic tray before immersing it in the tank. Unavoidably, the tray absorbs some of the ultrasonic energy, which may slightly reduce the effectiveness of the cleaning action. If the item is not at risk of damage from vibrations against the stainless steel tank, then the tray can be omitted for more efficient cleaning.
- The use of SOLVENTS or ALCOHOL in the tank or on any part of the cleaner will damage your ultrasonic cleaner and void any warranty.

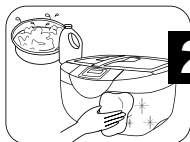
MAINTENANCE AND STORAGE

How do I keep my cleaner in perfect condition?



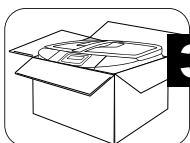
1

The Ultra 8050D-H cleaner has circuit protection to stop overheating. Never use the product without water as damage will occur. To prolong the life of the unit, it is recommended to stop using the unit for 15 minutes after every 3 working cycles.



2

After use, ensure the unit is unplugged. Pour the water away (see note), and wipe the stainless steel tank and housing with a clean dry cloth. To avoid electric shock, DO NOT wash the exterior of the unit with water. Note: When emptying, always pour liquid away via the rear channels, avoiding the ventilation slots / power inlet on the sides and control panel on the front face.



3

The unit should be stored in a cool dry place, away from any heat sources (radiators etc) and sources of moisture (bathrooms etc). Ideally, the unit should be stored in its original packing for maximum safety.

WHAT CANNOT BE CLEANED

JEWELLERY

Hawksbill, Pearl, Emerald, Ivory, Coral, Agate.

Colour may change or brightness could be lost during ultrasonic process.

PRECIOUS METAL

Soldered metal, electro plated metal, bindings

Ultrasonic cleaning is not suitable for metal objects that have been soldered as the tiny bubbles will dislodge any unsold soldering or bindings. Any cracked electro plating will be enlarged after cleaning.

WATCHES

None waterproof watches (Except 30m+ watches)

Water will get into the watch movement of none waterproof watches.

OTHERS

Wood, Glass, Contact lens, Ceramic, Camera colored filter

Cracks in ceramic, wooden items, or laminated glasses will be enlarged by ultrasonic cleaning. (It won't happened if the item is in perfect condition).

GUARANTEE

Your Ultrasonic Cleaner has been carefully manufactured and 100% tested using high quality assured components. It is guaranteed against faulty workmanship and materials for a period of 12 months from the date of purchase. In the unlikely event that a failure should occur, the unit will be repaired or replaced* free of charge when returned, postage paid, to the address below within the guarantee period.

This guarantee DOES NOT include damage or failure resulting from misuse, damage in transit or failure by the user to comply with the Dos and Don'ts (this list is not exhaustive).

Your statutory rights under common law are in no way affected by this guarantee.

James Products Ltd,

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England

Tel: +44 (0)1258 820100

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When returning your unit please call our Returns Department on +44 (0)1258 822516 for a RMA (Returns Materials Authorisation) number. Please return your unit in its original packaging along with a covering letter stating when and where you purchased the unit and a description of the problem encountered. If the unit is within the guarantee period please enclose proof of purchase.

LIMITED WARRANTY

Consequential and incidental damages, including without limitation, loss of property and those arising from breach of any express or implied warranty, are not the responsibility of James Products Limited and to the extent permitted by law, are excluded.

In accordance with its policy of progressive product design, James Products Ltd reserves the right to change product specifications without prior notice.

*Repair or replacement is at the discretion of the manufacturer.



www.jamesproducts.co.uk

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