



tierratech[®]
ULTRASONIC CLEANING SYSTEMS

ON



LT-PRO Series Lab Equipment ULTRASONIC CLEANING SYSTEMS



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ULTRASONIC CLEANING SYSTEMS

LT-PRO Series Lab Equipment

LT-PRO Series: for all sectors



LABORATORIES - LAB EQUIPMENT

Particularly suitable for glass, plastic, metal, laboratory and instruments work shops. Ultrasonic cleaning can be used to remove any remains of chemicals, oils, hydrocarbons, pigments, and other various soils. It removes soils from complex, and delicate parts with hard-to-reach areas or joints without causing any damage. It saves the time and effort involved in washing by hand. In addition to cleaning, it is suitable to degas solvents and to disperse compacted specimens.

MEDICAL INSTRUMENTS

For deep cleaning of medical instruments used in surgery and various medical instruments. Ultrasonic cleaning is also used in other medical fields such as, ophthalmology, veterinary care, etc. It removes organic or inorganic remains from the instruments as a prior step to efficient disinfection and sterilization. The cleaning procedure is raised to a higher level than hand washing, since the instruments are totally submerged in the cleaning solution. It also reduces the possibility of injury from sharp tools or contaminated edges.

DENTISTRY

Ultrasonic cleaning is used in dental clinics to remove organic remains, such as blood and saliva, from instruments and apparatuses prior to sterilization. It is also very effective with inorganic remains such as dental cement and plaster used in the preparation of molds. Dentists also recommend it for cleaning dentures at home, since it is easy to use compared to other products, which require the dentures to be soaked and manually scrubbed.

JEWELRY

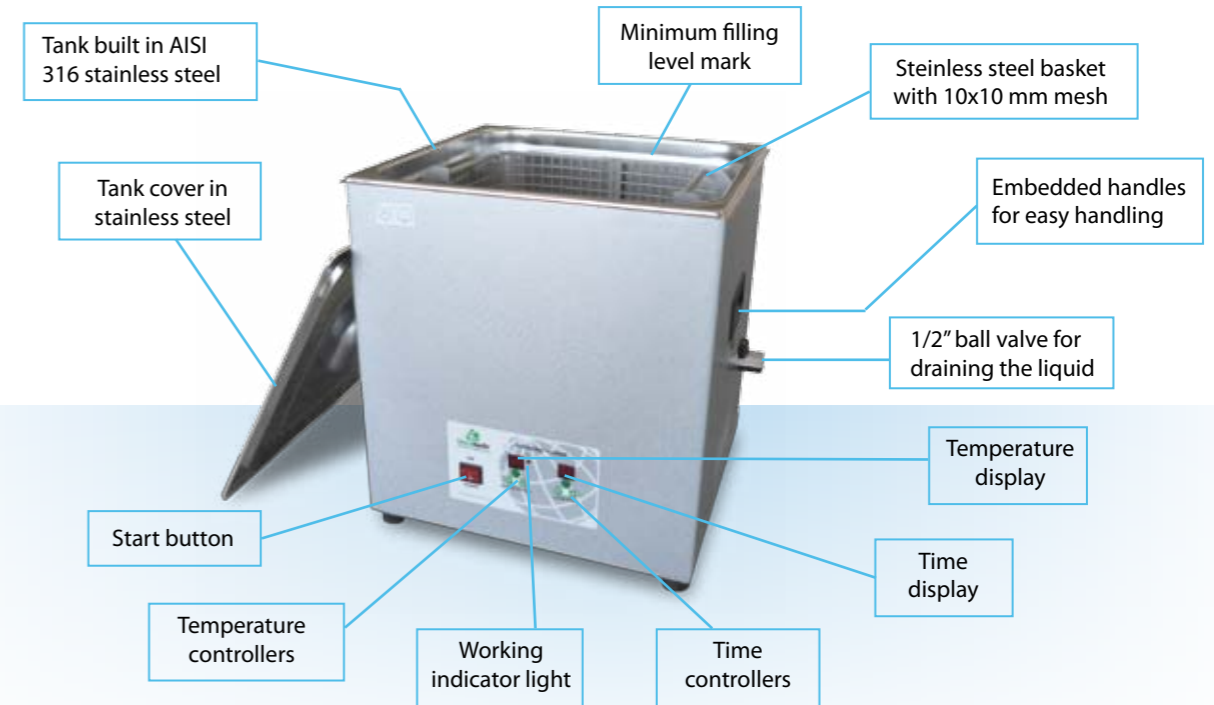
For fast, thorough, deep cleaning of necklaces, brooches, watches, rings, coins, and other valuable items. Ultrasound reaches inaccessible areas, which cannot be reached using traditional cleaning methods such as cloths or brushes. It is used in the manufacturing process as well in maintaining and cleaning of jewelry.

INDUSTRIAL

Ultrasonic cleaning removes contaminants from the parts after the production process, such as cutting lubricant, polishing paste, oil, and abrasives. Cleaning takes place on the surface and in cavities and cracks which are usually inaccessible in other cleaning methods. The LT-PRO series is particularly suitable for small parts.



LT-PRO Series: features



The LT-PRO series includes eight models of different sizes, ranging from 1 to 26 litres, suited to all cleaning needs and item sizes. They are all fitted with high performance steel-titanium IBL piezo-electric transducers and use a working frequency of 40 KHz with a frequency sweep system $\pm 2\%$, for faster and more uniform cleaning.

The straightforward, intuitive digital control panel, is made from high-quality modern materials, the LT-PRO series is an essential work tool for all sectors which require efficient, intense, non-aggressive cleaning which is also environmentally friendly.

Apart from the standard models, we offer the possibility of bespoke and multi-tank units with different functions such as hot and cold rinsing, drying, etc.

Tierra Tech has its own cleaning products for specific use in ultrasonic cleaning, which meet two essential requirements: efficiency and protection of parts and materials. The product range is extensive and includes special solutions for different branches of business and specific cleaning needs.



LT-200 PRO-US+AF+AC
Ultrasonic cleaning + cold rinsing + hot rinsing



TT-2X30-C+D
Ultrasonic cleaning + drying



TT-30-US+AF+S
Ultrasonic cleaning + cold rinsing + drying



LT-PRO Series

TECHNICAL DETAILS

	LT-50 PRO	LT-80 PRO	LT-100 PRO	LT-150 PRO	LT-200 PRO	LT-300 PRO	LT-400 PRO	LT-600 PRO
VOL.	1L	1.5 L	2.6 L	5.3 L	8.4 L	13 L	21 L	26 L
Internal dimensions (mm)	155 x 140 x 65	155 x 140 x 100	237 x 136 x 100	300 x 150 x 150	295 x 235 x 150	325 x 295 x 150	500 x 295 x 150	500 x 295 x 200
External dimensions (mm)	175 x 160 x 260	175 x 160 x 260	265 x 260 x 261	325 x 176 x 318	325 x 265 x 391	380 x 360 x 380	530 x 323 x 380	528 x 325 x 437
Ultrasonic power	50W (100W p-p)	80W (160W p-p)	100W (200W p-p)	150W (300W p-p)	200W (400W p-p)	300W (600W p-p)	400W (800W p-p)	600W (1200W p-p)
Frequency	40 KHz ± 2% Sweep System	40 KHz ± 2% Sweep System	40 KHz ± 2% Sweep System	40 KHz ± 2% Sweep System	40 KHz ± 2% Sweep System	40 KHz ± 2% Sweep System	40 KHz ± 2% Sweep System	40 KHz ± 2% Sweep System
Transducers	1	1	2	3	4	6	8	12
Heating	100 W	100 W	150 W	150 W	300 W	300 W	700 W	700 W
Total consumption	150 W	180 W	250W	300 W	500 W	600 W	1100 W	1300 W
Control Panel	Digital	Digital	Digital	Digital	Digital	Digital	Digital	Digital
Basquet	✓	✓	✓	✓	✓	✓	✓	✓
Drainage valve	-	-	-	1/2"	1/2"	1/2"	1/2"	1/2"
Power supply	220 V	220 V	220 V	220 V	220 V	220 V	220 V	220 V

STANDARD FEATURE ON ALL MODELS

Digital control panel:

- Main switch.
- Ultrasonic time selection from 0 to 60 min.
- Temperature selection from 0° to 80°C.

Finishes and accessories:

- Tank made in stainless steel AISI 316.
- External panel made in print-free steel.
- 1 stainless steel basket.
- Stainless steel cover.

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