



Ultrasonic cleaning devices

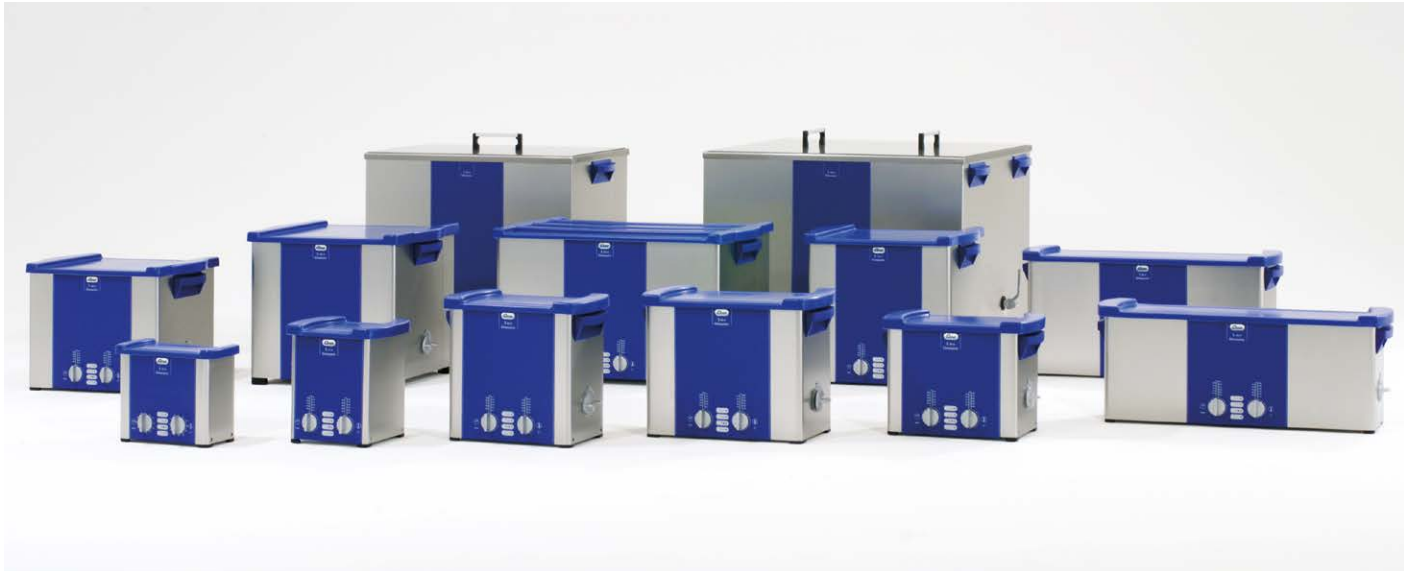
Elmasonic S

The sum of all possibilities.

- Powerful and highly versatile ultrasonic cleaning devices with 37 kHz ultrasonic frequency
- Switchable Sweep-function for an even distribution of the ultrasonic power and effect
- Degas-function for quick degassing
- Temperature-controlled Auto-Start
- Registered as Medical Device Class I*

Elmasonic S

Ultrasonic cleaning units with specific features for different business sectors



Equipped with an ultrasonic frequency of 37 kHz, the functions Sweep and Degas and much more, Elmasonic S devices are ready for different tasks and applications in various business sectors.



Healthcare - CSSD or doctor's office

Intensive pre-cleaning of surgical and medical instruments and endoscopes with Elmasonic S and *Elma Dent & Med Clean* cleaning agents.

Dental practice and dental lab

Cleaning of dental instruments, impression trays, drills as well as dental prostheses (crowns, bridges, etc.) with cleaning agent of the *Elma Dent & Med Clean* series.



Cleaning of jewellery

Jewellery made of gold, silver, platinum as well as costume jewellery with or without gem stone or semi-precious stones will shine as new after being cleaned with Elmasonic S and a cleaning agent of the *Elma Luxury Clean* series.

Watches and watch parts

Elmasonic S and cleaning agents of the *Elma Luxury Clean* series are also used to clean watch cases, mechanical watch parts and metal straps.



Laboratory

In combination with cleaning agents of the *Elma Lab Clean* series, lab instruments made of glass, plastic or metal can be cleaned with Elmasonic S. It is also possible to degas, dissolve, disperse, homogenise, emulsify or disagglomerate with Elmasonic S.

Optics

Glasses and other optics are cleaned with an Elmasonic S and a cleaning agent of the *Elma Optics Clean* series.



Industrial parts cleaning in workshops and service

Pre-, intermediate and final cleaning of mechanical and electronical parts and components with Elmasonic S ultrasonic cleaning devices and *Elma Tec Clean* cleaning agents.

Elmasonic S

Thoughtout functions and useful features

Elmasonic S ultrasonic devices are available in 16 different sizes ranging from 0.8 to 90.0 litres maximum filling volume. They are equipped with an ultrasonic frequency of 37 kHz, functions like Sweep, Degas and Auto-Start and thus very versatile.

The clearly arranged control panel is user friendly designed and splash-water-protected. The cleaning process can be supported by an optional selectable, run-dry-proven heating. Furthermore Elmasonic S devices are very user-safe and shut down after 12 h of operation.

The cleaning tanks are made of stainless-steel and have round corners. Therefore they are easy to clean when the cleaning bath

has to be changed. From Elmasonic S 30/H on all devices have an useful drain for the cleaning liquid on their backside. The drain can be opened and closed via the knob at the side.

Elmasonic S units are covered by the „Elma Commitment to Quality“ with 2 years warranty and replacement guarantee for the first year following date of purchase.

Additionally Elmasonic S devices are registered as Medical Devices Class I.*



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- **Sound-absorbing plastic lid** accelerates - when placed on the device - the heating. Upside down, the lid can be used as a **drip tray** for baskets and cleaned parts.
 - **Fill level marking**
 - **LED display** of the set and the remaining cleaning time
 - **Pre-selection of cleaning time** with continuous operation or individually adjustable from 1 to 30 min
 - **Sweep-function** for an optimum sound field distribution in the cleaning bath and even ultrasonic effect (not with Elmasonic S 10/H)
 - **Pause-function** to interrupt an application
 - **Auto-Start-function:** When the preselected temperature is reached, the device starts in normal ultrasound mode.
 - **Drain:** Easy emptying on the back of the device (from Elmasonic S 30)
 - **LED display** of the set and actual values of the liquid temperature
 - **Adjustable temperature** from 30° to 80°C (not with Elmasonic S 10/H)
 - **Degas-function** for quick degassing of cleaning liquids and for special applications in the laboratory



Ultrasonics.Steam.Ultraclean.

Ultrasonic technology, accessories and cleaning chemicals all from one source

In practice, you quickly learn to appreciate the value of well thought-out products.

Matching baskets with plastic-covered handles, jewelry holders, cooling coils, Erlenmeyer flask holders or plastic lids serving when turned over as a drip trays, are useful helpers in everyday cleaning tasks.

After being cleaned in the Elmasonic S ultrasonic device, the parts can be conveniently and quickly dried with the Elmadry TD hot air dryer.

All Elma Clean cleaning agent series are specially designed for the use in the ultrasonic bath and tailored to perform different cleaning tasks .



Technical data

	S 10 / H	S 15 / H	S 30 / H	S 40 / H	S 60 / H	S 70 / H	S 80 / H	S 90 H
Max. tank capacity (l)	0.8	1.75	2.75	4.25	5.75	6.9	9.4	7.4
Tank operating capacity (l)	0.7	1.2	1.9	3.2	4.3	5.2	7.3	7.0
Ultrasonic power effective (W)	30	35	80	140	150	150	150	150
Heating power (W)	60	60	200	200	400	600	600	400
Unit ext. dimensions W/D/H (mm)	206/133/182	176/189/218	301/189/218	301/189/268	362/201/269	568/188/222	568/188/272	403/197/298
Tank int. dimensions W/D/H (mm)	188/83/59	141/127/97	222/122/99	217/117/149	275/125/149	488/120/99	480/112/149	328/134/179
Basket int. dimensions W/D/H (mm)	177/73/30	112/103/49	198/106/49	190/105/74	255/115/74	465/106/49	455/106/74	289/123/74
Weight (kg)	2.0	2.1	3.3	4.0	5.1	5.6	6.4	5.5

	S 100 / H	S 120 / H	S 130 H	S 150	S 180 / H	S 300 / H	S 450 H	S 900 H
Max. tank capacity (l)	9.5	12.75	12.5	14.0	18.0	28.0	45.0	90.0
Tank operating capacity (l)	7.5	9.0	11.3	10.0	12.9	20.6	35.0	75.0
Ultrasonic power effective (W)	150	200	300	300	200	300	400	800
Heating power (W)	400	800	800	0	800	1200	1600	2000
Unit ext. dimensions W/D/H (mm)	363/289/272	363/289/272	403/282/301	566/352/222	393/352/322	566/352/322	605/388/466	710/588/466
Tank int. dimensions W/D/H (mm)	282/222/149	276/216/199	328/226/179	487/285/99	304/274/199	480/275/199	502/302/303	600/500/298
Basket int. dimensions W/D/H (mm)	255/200/73	250/190/113	296/200/73	455/250/47	280/250/113	455/250/112	452/264/192	544/460/190
Weight (kg)	5.9	7.5	8.0	14.0	8.5	11.0	25.0	42.0



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