

made  
in  
germany

**Elma**  
Ultrasonic Baths



Professional Ultrasonic Cleaning Units for Lab and Industry

### **Elmasonic E Plus**

The easy way to clean.

- Unique pulse function provides powerful cleaning for difficult jobs
- Thorough and uniform cleaning with sweep function
- Pulse functionality for common laboratory mixing and degassing operations
- Quality promise: 2-year warranty with replacement guarantee for first year
- 9 units available with tanks sizes from ¼ to 7-½ gallons

# Elmasonic E Plus

## Superior cleaning technology

The Elmasonic E Plus series includes 9 units of different sizes and is characterized by simple, user-friendly operation. With 100% ultrasonic power at a frequency of 37 kHz, the Pulse function and visual warning (when bath temperature reaches the set limit), the Elmasonic E Plus solves typical cleaning tasks in the dental practice and dental laboratory quickly and efficiently.

The activatable function "Pulse" is suited to remove tenacious, mineral soiling and polishing pastes. The

ultrasonic power is increased up to 20%, so that any soiling will be removed easily and quickly.

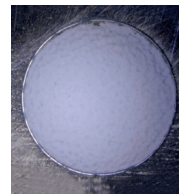
The limit temperature can be adjusted according to individual requirements. When the set temperature limit is reached the unit gives out a visual warning that helps to prevent the coagulation of proteins and protects sensitive items from damage due to high temperatures.

## Comparison of Sweep and Pulse effects

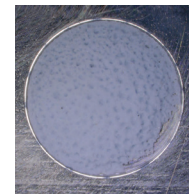
The Sweep function ensures an even sound field distribution and therefore an even removal of soiling. Ideal for removal of fats, oils and pigments, as these are rapidly dissolved in the cleaning solution.

The user-activated Pulse function increases the ultrasonic peak power. The ultrasonic impacts infiltrate the contaminants which then flake off. Ideal for hard encrusted dirt such as plaster and polishing pastes. In addition, the cleaning effect is up to 20% faster.

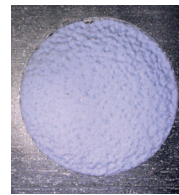
The Pulse function vigorously mixes, disperses, and dissolves laboratory samples. Pulse also achieves degassing of solvents and samples. The Elmasonic E Plus performs the full range of laboratory tasks: cleaning, sample preparation, and degassing.



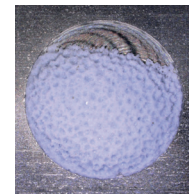
After 5 minutes with Sweep



After 10 minutes with Sweep



After 5 minutes with Pulse



After 10 minutes with Pulse

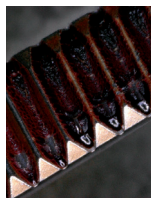
## Application examples before and after cleaning

Machined part

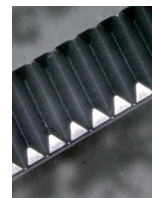


Removal of polishing pastes

Dissecting forceps



Removal of blood



Flange



Removal of grease and silicone



*Elmasonic E Plus in the dental laboratory and dental practice*   *Elmasonic E Plus for pre-cleaning medical instruments*

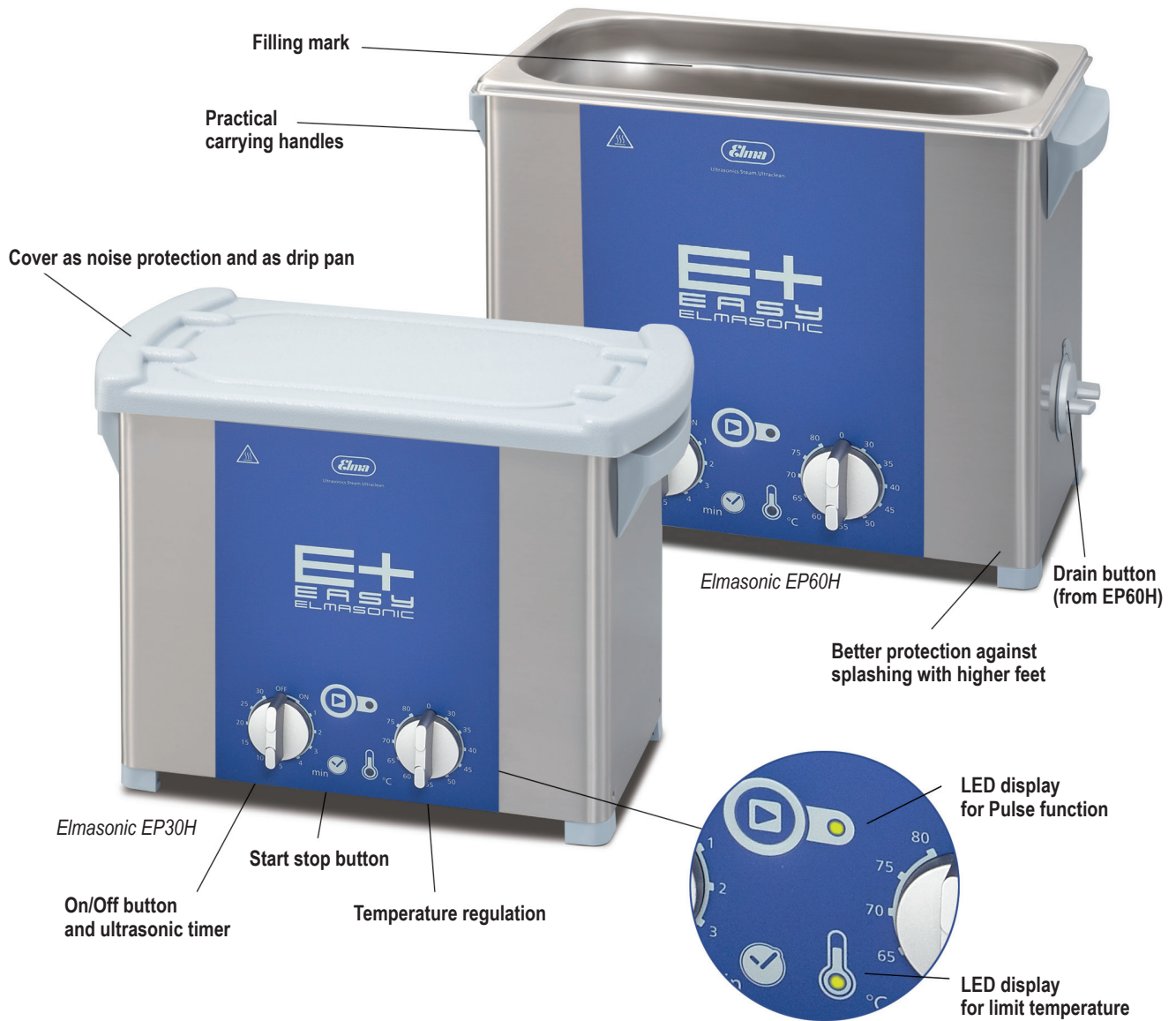


# Elmasonic E Plus

## Powerful ultrasonic cleaning devices

The Elmasonic E Plus units are available in 9 different sizes, all with stainless steel casing. They have built in protection of the electronics against liquid splashes. All units are equipped with heating except the EP10 and from the EP60H upwards they have a drain duct on the rear.

Furthermore the Elmasonic E Plus units are covered by the "Elma Commitment to Quality" with a 2 year warranty and a replacement guarantee for the first year following the date of purchase.



*Elmasonic E Plus for cleaning jewelry and watch parts*

*Elmasonic E Plus for cleaning industrial parts in workshops*



# Elmasonic E Plus

## Technical Data

	EP 10/H	EP 20 H	EP 30 H	EP 40 H	EP 60 H	EP 100 H	EP 120 H	EP 180 H	EP 300 H
Ultrasonic frequency (kHz)	37	37	37	37	37	37	37	37	37
Tank maximum capacity (gal)	0.2	0.5	0.7	1.1	1.5	2.5	3.4	4.8	7.4
Ultrasonic power effective (W)	30	35	80	140	150	150	200	200	300
Heating power (W)	60	120	200	200	400	400	800	800	1200
Unit external dim. W/D/H (in)	8.1/4.7/7.3	6.9/6.9/8.6	10.4/6.9/8.6	10.4/6.9/10.6	13.4/7.7/10.6	13.3/11.1/10.7	13.5/11.2/12.7	14.6/13.7/12.7	21.4/13.7/12.7
Tank internal dim. W/D/H (in)	7.5/3.3/2.4	5.9/5.4/3.9	9.4/5.4/3.9	9.4/5.4/5.9	11.8/5.9/5.9	11.8/9.4/5.9	11.8/9.4/7.9	12.9/11.8/7.9	19.9/11.8/7.9
Basket internal dim. W/D/H (in)	7.0/2.9/1.2	4.4/4.1/2	7.8/4.2/2.0	7.5/4.1/3.0	10.0/4.5/3.0	10.0/7.9/3.0	9.8/7.5/4.5	11.0/9.8/4.5	17.9/9.8/4.5
Weight (lbs)	4.4	4.6	7.3	8.8	11.2	13.0	16.5	18.7	24.3

## Accessories

The extensive range of accessories includes cooling coils, noise protection boxes, and various baskets, holders, and brackets.

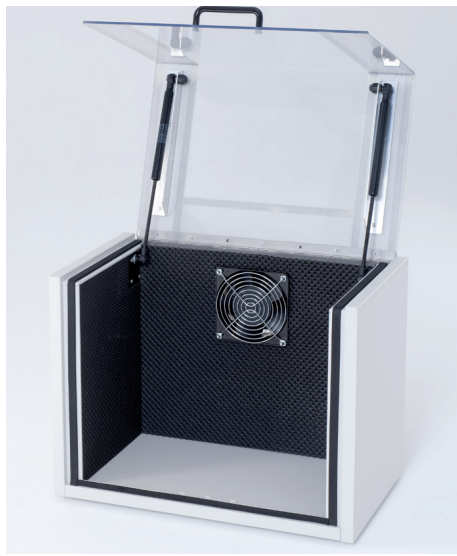
Thus Elmasonic E Plus ultrasonic units can be used to clean laboratory instruments, to pre-clean dental or medical instruments before sterilization, to clean electronics or optics, or for industrial parts cleaning.



Cleaning baskets in different dimensions and with different mesh sizes: 7x1mm, 9x1mm or 16x1.2mm, ring holder, clamping devices for watch straps, hot air dryer, etc.



Hostalen™ and acid resistant plastic tubs, test tube holders, clamps, and immersion baskets.



Noise protection boxes in 2 different sizes to reduce noise up to 75%



Cooling coils, glass beakers, covers with holes to insert glass beakers, etc.



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