Getting started made easy.

Elmasonic Easy

www.elma-ultrasonic.com

Elmasonic Easy

The applications are as varied as the functions are consistent – simple and reliable. That’s Easy.

The powerful all-rounder.
Elmasonic Easy is our entry level series. It is characterised by environmental friendliness and intuitive operation. Whereas the new eco mode enables energy-efficient and low-noise operation, the dynamic mode, which can be activated at any time, allows the user to remove the most stubborn dirt and ensures optimal sound field distribution in the cleaning bath. The cleaning application is the focus. Special cleaning chemicals approved by Elma ensure the optimal cleaning result. Practical accessories, such as baskets, holders, inserts, dryers or noise protection boxes support the user with typical and familiar cleaning tasks and turn the Easy series of ultrasonic devices into small – but highly functional – powerhouses.

Highlight

MAXIMUM BENEFITS

Developed for

- Watchmakers, jewellers and watch & jewellery studios
- Metalworking companies
- Industrial component manufacturers
- Workshops and repair shops
- Research & development labs
- Industrial-analytical labs

Cleans

- Jewellery
  Earrings and bracelets (with and without precious stones)
- Watch components
  Straps, clasps and cases
- Industrial components & parts
  Carburettors and filters
- Lab instruments
  Glass pipettes and beakers & test tubes

Removes

- Resins
- Adhesive residues
- Oil and grease
- Abrasive and polishing pastes
- Chips
- Flux
- Organic impurities
  Fingerprints and daily grime

Elmasonic Easy

Clear lines.
Compact design.
Powerful.
With beginners in mind.

For any application.
Even though it is explicitly aimed at beginners, the Easy series is uncompromising in terms of quality. Despite being pared down to the main functional elements that are necessary for ultrasonic cleaning, this device is a powerful tool for many applications. The series includes a total of 14 device variants (115 / 230 V) with a bath volume of 0.8 to 69.1 litres. Devices with or without heating are available with bath volumes of up to 3 litres. Above a bath volume of 3 litres, all devices have heating. In addition, all devices larger than 6* litres, are equipped with a drain.

** Does not apply to Elmasonic Easy 50R*

Technical data

Mechanical

Elmasonic Easy	10	10H	20	20H	30	30H	40H	60H
Total volume V (l)	0,9		1,6		2,7		3,9	5,9
External device dimensions W / D / H (mm)	235 / 130 / 200		215 / 190 / 230		305 / 190 / 230		305 / 190 / 280	370 / 225 / 280
Opening size W_2 / D_2 (mm)	190 / 85		150 / 135		235 / 135		235 / 135	300 / 150
Internal tank dimensions W_1 / D_1 / H_1 (mm)	185 / 80 / 55		140 / 125 / 95		220 / 120 / 95		215 / 115 / 145	280 / 130 / 145

Elmasonic Easy	100H	120H	180H	300H
Total volume V (l)	9,5	12,9	17,8	27,5
External device dimensions W / D / H (mm)	380 / 315 / 280	380 / 315 / 280	405 / 375 / 330	575 / 375 / 330
Opening size W_2 / D_2 (mm)	295 / 235	295 / 235	325 / 295	500 / 295
Internal tank dimensions W_1 / D_1 / H_1 (mm)	280 / 220 / 145	275 / 215 / 195	300 / 270 / 195	475 / 270 / 195

Electrical

Elmasonic Easy	10	10H	20	20H	30	30H	40H	60H	100H	120H	180H	300H
Eff. ultrasonic power ± 10% (W)	30		35		80		120	150		200		300
Heating power (W)	0 / 60		0 / 120		0 / 200		200	400		800		1200

Product family

Elmasonic **Easy** 10
Total volume (V): 0.8 l
Ultrasonic power (W): 30

Elmasonic **Easy** 180H
Total volume (V): 17.8 l
Ultrasonic power (W): 200

Elmasonic **Easy** 300H
Total volume (V): 27.5 l
Ultrasonic power (W): 300

PERFECT FOR BEGINNERS

Elmasonic Easy

Fair price.
Considerable output.
It works.

The Elmasonic Easy series provides a user-friendly introduction to ultrasonic cleaning. And it's not only the price/performance ratio that's impressive, but also the optimal cleaning chemicals and the extensive and practical range of accessories.

Highlights

For the environment.

With the new *eco mode*, quieter and gentler cleaning is possible, and the service life of the tank is extended.
For stubborn dirt, the *dynamic mode*, with its optimised sound field distribution in the cleaning bath, comes into play.

User-oriented.

The clearly set-out control panel makes ultrasonic cleaning easy. Visual and audible signals alert the user when the cleaning time or the cleaning temperature is reached and in the event of errors. The device switches off automatically when it reaches a bath temperature of 90°C.

Quick start after safety shut-down.

In the absence of control inputs by user, the device shuts down automatically after eight hours. The LEDs go out and the device switches to standby mode. After the shut-down, or after a power failure, the device wakes up at the push of a button or the twist of a knob.

Functions

Intuitive and clear operation.

The cleaning duration and temperature are easy to set and the cleaning process is started and stopped intuitively via the control panel. The control panel is also used for easy switching of the ultrasonic mode.

Practical accessories.

The application-oriented accessories include baskets, holders, inserts, noise protection boxes, dryers, and cooling coils, and are used for a wide variety of cleaning tasks.

Optimal cleaning chemicals.

The cleaning chemicals developed by Elma are optimised for a wide variety of cleaning tasks in various industries and ensure optimal cleaning results.

Elmasonic Easy

Prepare program-controlled samples – achieve reproducible results.

Sample preparation made easy.
This Elmasonic Easy series focuses on test sieve cleaning, HPLC solvent degassing and other lab applications, such as dissolving substances that are only poorly soluble, producing emulsions and accelerating reactions. Users can choose between different programs, such as "sieve cleaning", "degas" or "sample preparation", to activate the correct ultrasound parameters. These enable all processes to be easily standardised and repeated, which makes the lab work significantly easier. Correct device filling is simplified by the fill level marks on the tank.

Technical data

Mechanical

Elmasonic Easy	50R	350R
Total volume V (l)	6,3	69,1
External device dimensions W / D / H (mm)	345 / 295 / 345	675 / 795 / 505
Internal tank dimensions D / H_1 (mm)	240 / 140	595 / 245
Weight (kg)	5,0	21,0

Electrical

Elmasonic Easy	50R	350R
Eff. ultrasonic power ± 10 % (W)	150	600

Product family

Elmasonic **Easy** 50R
Total volume (V): 6.3 l
Ultrasonic power (W): 150

Elmasonic **Easy** 350R
Total volume (V): 69.1 l
Ultrasonic power (W): 600

PERFECT FOR LAB WORK

Elmasonic Easy

Clean test sieves and prepare samples – Easy as pie.

The powerful Elmasonic Easy 50R and Elmasonic Easy 350R round devices are used in the laboratory environment, where samples must be reliably prepared, liquids completely degassed and test sieves thoroughly cleaned.

Highlights

Reliably prepare samples.

„*Sample preparation*" is used to perform standard tasks such as mixing, dissolving, dispersing and emulsifying.

Thoroughly clean the test sieves.

With „*sieve cleaning*", the user can clean test sieves quickly and effectively, thus enabling reliable and reproducible analysis results.

Automatically degas liquids.

Using „*degas*", HPLC solvents can be degassed quickly, while „*auto-degas mode*" ensures an automatic degassing cycle; for example, for newly added cleaning fluids.

Functions

Intuitive and clear operation.

The cleaning duration and temperature are easy to set and the cleaning process is started and stopped intuitively via the control panel. The control panel is also used for easy switching of the ultrasonic mode.

Practical accessories.

The application-oriented accessories include baskets, holders, inserts, noise protection boxes, dryers, and cooling coils, and are used for a wide variety of cleaning tasks.

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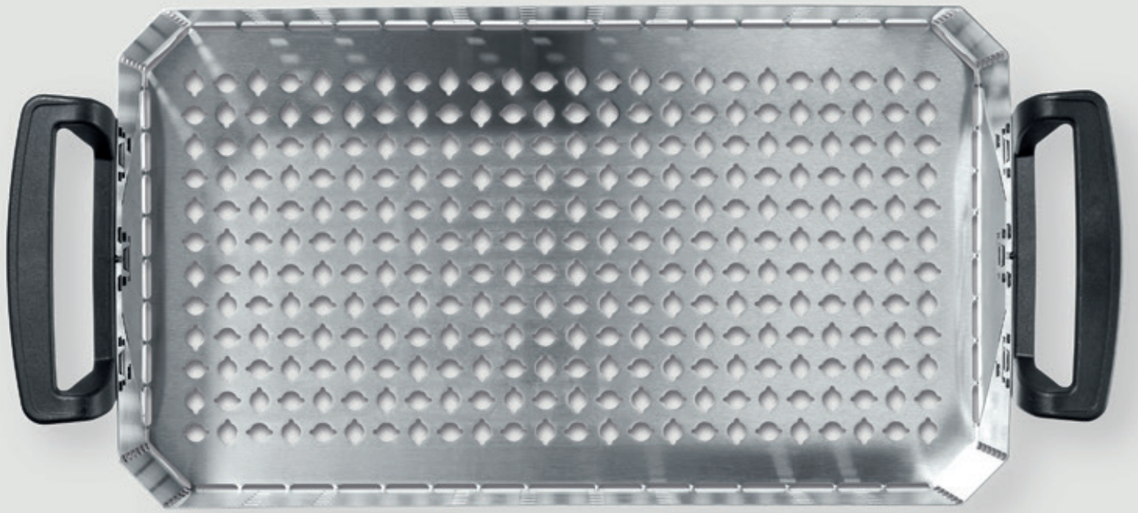
MORE CHOICE

Technology from Elma is much more than just the cleaning devices themselves. With our accessories, you can extend the Easy series – simply and practically.

Cooling coil
Material: Stainless steel

Jewellery holder
Material: Plastic

Insert covers
Material: Stainless steel



Baskets
with coated handles
Material: Stainless steel

Elmasonic Easy Accessories

Clever ideas. Practical solutions. Innovative products. Simply practical.

For the widest variety of cleaning tasks in different industries – such as watches, jewellery, lenses, medical technology, laboratory or industry – Elma offers an extensive range of user-oriented accessories.

SIMPLY MORE

BASKETS

The stainless steel baskets ensure that the cleaning product in the ultrasonic bath is in the optimal sound field and the user does not come into contact with the cleaning chemicals.

HOLDERS

Practical holders are used to hold various cleaning objects such as sieves or even Erlenmeyer flasks.

INSERTS

Various inserts offer the option of holding glasses or small baskets so that delicate cleaning objects can be cleaned efficiently and at low cost.

COOLING COILS

The stainless steel cooling coil is connected to a recirculating cooler and is used to reduce/stabilise the temperature in the ultrasonic bath when thermostable processes are required.

NOISE PROTECTION BOX

The noise protection box attenuates the noise of the set ultrasound unit by 75% on average. Resulting vapours are extracted via a silenced outlet.

DRYER

After being cleaned in the ultrasonic bath, the cleaned articles are dried in the Elmadry TD (our warm air and cold air dryer) using an extremely gentle process that also ensures maximum user safety.

Elma cleaning chemicals

Achieve the optimal cleaning results with the right dose of Elma chemicals.

In our in-house process laboratory, qualified chemists develop highly effective products for various cleaning processes. These are produced at Elma and put to use in various industries.

Industry solutions

Elma Luxury Clean.

Whether bleaching articles or removing grease, oils or polishing agents – the different products in this series enable first-class cleaning results for watches and jewellery, and ensure the longevity of the materials used.

Elma Opto Clean.

Elma Opto Clean supports the cleaning of eyewear – both plastic and metal frames as well as glass coatings are gently cleaned. Manufacturers of precision lenses benefit from residue-free cleaning results.

Elma Tec Clean.

Elma's range of cleaners is designed for a diverse range of cleaning tasks in industrial parts cleaning. Subsequent processes, such as coatings, can be carried out safely and to a high quality after ultrasonic cleaning.

Elma Lab Clean.

The range of cleaners for laboratory settings is designed to meet the needs of analytical laboratory instruments and glassware. All cleaners are used for intensive ultrasonic cleaning – this cleaner series is also suitable for laboratory rinsing machines.

Optimal cleaning results.

The really tough cases are our speciality. This is where the quality of our products really gets to shine.

Interested?
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