



Proven technology. More individuality.

# Elmasonic Select





Elmasonic Select

# Custom cleaning performance for a wide range of applications. The new benchmark.

## Powerful performance built in.

Elmasonic Select is the ultimate powerful ultrasonic cleaning device for discerning users. Its high-performance functions are guaranteed to impress. Five different ultrasonic modes support users in a wide range of cleaning applications, while four adjustable programmes allow users to start custom cleaning processes at the touch of a button.

The device is easy to use thanks to the large, bright, intuitive display and user-friendly buttons.

The patented dry-running protection, which protects the device from overheating, safety switch-off after eight hours and a display protected from the ingress of dirt and moisture all ensure safe operation.

### Highlight

### MAXIMUM BENEFITS



#### Developed for

Research and development labs

Pharmaceutical and industrial-analytical labs

Workshops and repair shops

Metalworking companies

Industrial component manufacturers

Watchmakers, jewellers and watch & jewellery studios



#### Cleans

Industrial components and parts  
*Carburettors and filters*

Watch components  
*Straps, clasps and cases*

Jewellery  
*Earrings and bracelets (with/without precious stones)*

Lab instruments  
*Volumetric measuring equipment, test tubes*



#### Removes

Resins

Oils and greases

Adhesive residues

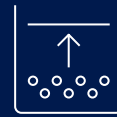
Abrasive and polishing pastes

Chips

Flux

Organic contaminants  
*Horn and skin residues*

Build-ups of dirt and grime



#### Prepares samples for

Degassing

Homogenisation

Emulsification

Dispersion

Lysis

Disagglomeration

Thermosensitive process





Elmasonic Select

# Outstanding cleaning results. Reproducible and reliable.

## Uncompromising cleaning power.

The high-performance Elmasonic Select product family includes a total of eleven different device sizes. These range from the small 3-litre device to the large 90-litre version, meaning there is something to suit every user's needs. Items of all different shapes and sizes and from a wide range of different applications can all be

cleaned in the device. All devices are equipped with a heater as standard. The new patented modular basket and other practical accessories round off the cleaning process.

### Product family

#### Elmasonic Select 30

Total volume (V): 2.7 l  
Ultrasonic power (W): 120



#### Elmasonic Select 120

Total volume (V): 12.9 l  
Ultrasonic power (W): 200





## Technical data

### Mechanical

Elmasonic Select	30	40	60	80	100	120
Total volume V (l)	2.7	3.9	5.9	9.3	9.5	12.9
External device dimensions W / D / H (mm)	305 / 170 / 230	305 / 170 / 280	370 / 210 / 280	570 / 195 / 280	380 / 300 / 280	380 / 300 / 330
Opening dimensions W <sub>2</sub> / D <sub>2</sub> (mm)	235 / 135	235 / 135	300 / 150	500 / 135	295 / 235	275 / 235
Internal tank dimensions W <sub>1</sub> / D <sub>1</sub> / H <sub>1</sub> (mm)	220 / 120 / 95	215 / 115 / 145	280 / 130 / 145	475 / 110 / 145	280 / 220 / 145	300 / 215 / 195

Elmasonic Select	150	180	300	500	900
Total volume V (l)	14.6	17.8	27.5	49.7	89.0
External device dimensions W / D / H (mm)	575 / 360 / 230	405 / 360 / 330	575 / 360 / 330	775 / 425 / 505	875 / 595 / 505
Opening dimensions W <sub>2</sub> / D <sub>2</sub> (mm)	500 / 295	325 / 295	500 / 295	-	-
Opening dimensions W / D <sub>3</sub> / H <sub>3</sub> (mm) incl. NPC*	-	-	-	775 / 510 / 975	875 / 640 / 1145
Internal tank dimensions W <sub>1</sub> / D <sub>1</sub> / H <sub>1</sub> (mm)	485 / 280 / 95	300 / 270 / 195	475 / 270 / 195	500 / 330 / 290	600 / 500 / 285

\*) NPC = open noise protection cover (Select 500 + Select 900)

### Electrical

Elmasonic Select	30	40	60	80	100	120	150	180	300	500	900
Eff. ultrasonic power ± 10% (W)	120	150	150	150	150	200	300	200	300	540	960
Heating power (W)	200	400	600	400	400	800	800	800	1200	1600	2000

SAFE AND  
EFFICIENT

#### Elmasonic Select 300

Total volume (V): 27.5 l

Ultrasonic power (W): 300





## Functions

### For every cleaning situation. Safe and convenient cleaning. Every time.

**Eco mode:** The „Gentle“ – Gentle cleaning with energy-efficient, value-preserving and quiet operation.

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**Sweep mode:** The „Homogenous“ – Even distribution of ultrasonic power for most cleaning tasks.

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**Pulse mode:** The „Powerful“ – Removes stubborn dirt using pulsating sound field distribution.

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**Dynamic mode:** The „Multi-talent“ – Combines the pulse and sweep modes for increased cleaning performance.

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**Degas mode:** The „Preparer“ – Rapid degassing of (HPLC) samples and freshly prepared cleaning solutions.

Elmasonic Select



# Versatile. Always user-friendly. Impressive performance.

Devices in the Select series are equipped with an ultrasonic frequency of 37 kHz, 5 ultrasonic modes, the option to save up to 4 custom cleaning programmes, a heater and a tank volume from 3 to 90 litres, enabling them to excel in any cleaning task they are faced with.

## Highlights

### Intuitive operation.

Large, easy-to-use buttons with clear button assignment, intuitive function selection, acoustic feedback and easy-to-understand symbols support users throughout the cleaning process.

### Safe operation.

Devices in the Select series boast special performance features, which include quiet operation, dry-running protection and safety switch-off after 8 hours. The closed front surface also prevents the ingress of dirt and moisture.

### Brilliant display.

The large, bright display with its extremely wide viewing angle helps the user to see all the important information during cleaning. Additional symbols for special functions allow individual operating sequences.

### Powerful functions.

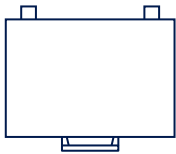
The Select series offers many options for controlling the cleaning process: 4 individually adjustable programs, 5 powerful ultrasonic modes, temperature-controlled start, quick start function, adjustable limit temperature and automatic degassing.



Elmasonic Select accessories

# Clever ideas. Effective solutions. Innovative products. Simply practical.

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



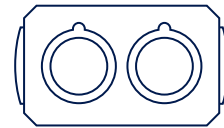
### NOISE PROTECTION

Reduction of the noise level in the cleaning process by up to 54%.



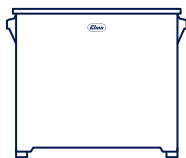
### HOLDERS\*

Items to be cleaned are positioned clearly and securely in the basket.



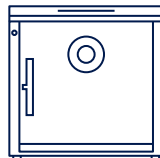
### INSERTS\*

Inserts prevent damage to the ultrasonic tank from the items to be cleaned.



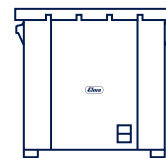
### ELMA SINK

Remove any remaining dirt after the cleaning process.



### ELMA MUTEBOX

Optimal cleaning: hygienic, low-noise and environmentally friendly.



### ELMA DRY

Efficient component drying: fast, safe to use and gentle on materials.



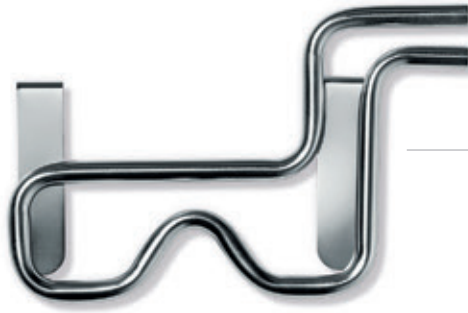
\* Accessories available in different sizes and models for different applications and devices.





**MORE CHOICE**

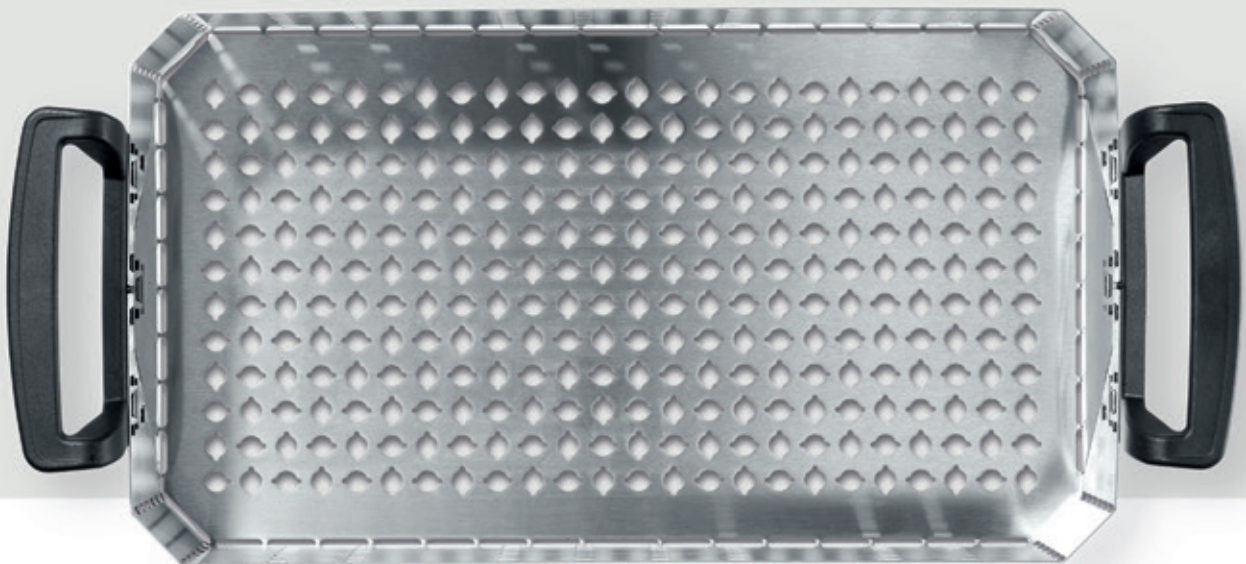
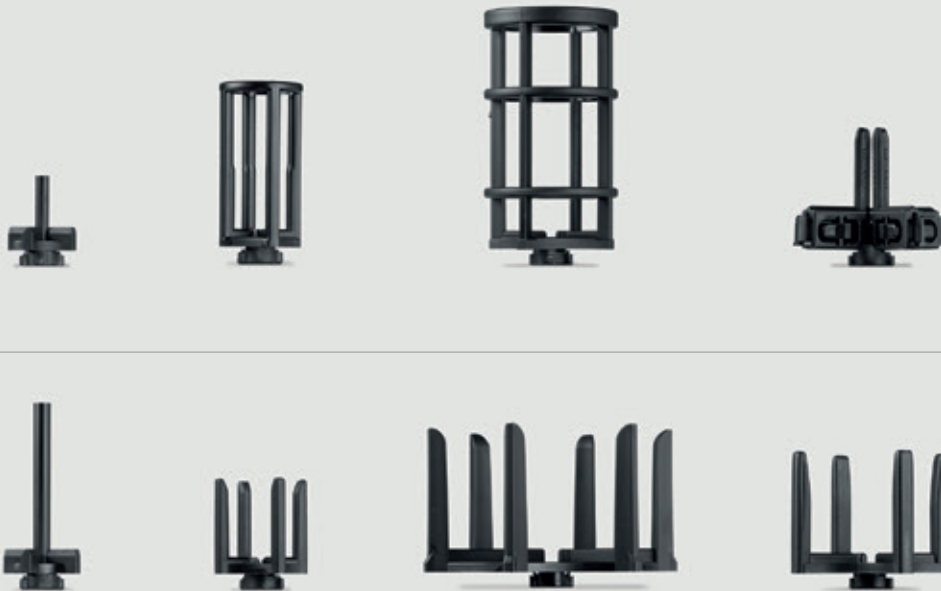
Technology from Elma is much more than just the cleaning devices themselves. With our accessories you can customise the Select series to your individual requirements.



Cooling coil  
Material: Stainless steel

**Elma Basket**

**VERSATILE AND  
CUSTOMISABLE**





Elma cleaning chemicals

# Achieve optimal cleaning results with the right application 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.

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## 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.

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## Elma Tec Clean.

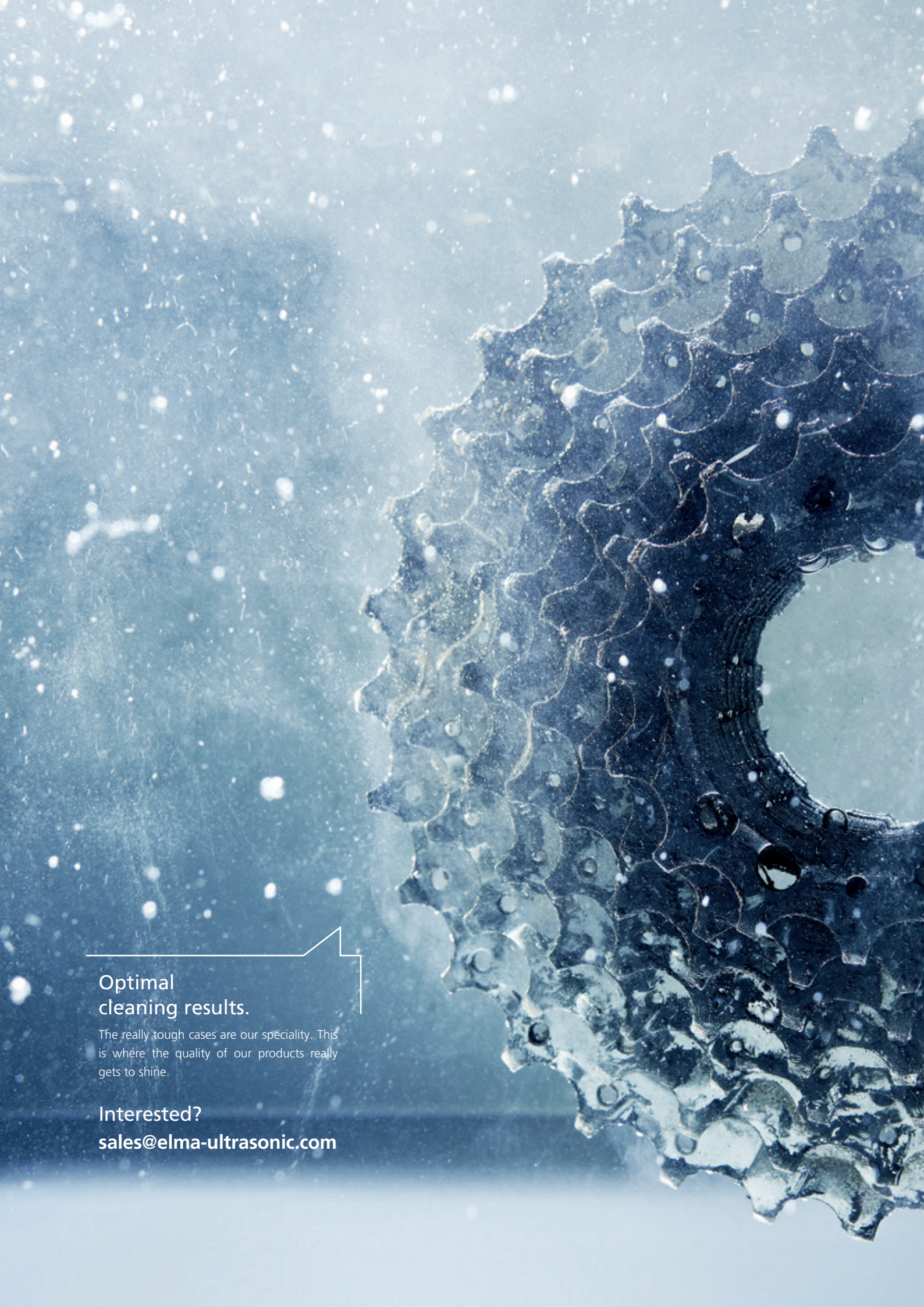
Elma's range of cleaners is designed for a diverse range of cleaning tasks in industrial parts cleaning. Subsequent processes, such as coatings, can be carried out safely and to a high quality after ultrasonic cleaning.

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## 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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