

# Elmasonic X-tra Line 300 Flex 1

## Modular ultrasonic cleaning unit with oscillation device



Pictured Elmasonic X-tra Line 550 Flex 1

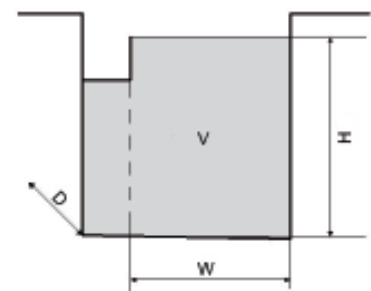
### Elma Order Nos.

Elma X-tra 300 MF2O	103 3275
Elma X-tra 300 MF3O	103 3276
Stainless steel basket EKO 300	103 3083
Stainless steel cover EDO 300	100 4982
Further accessoires on request	

Ultrasonic single workstation for the industrial cleaning, available in 5 different unit sizes (300, 550, 800, 1200 and 1600) and two different models each: multi-frequency 25 / 45 kHz (MF2) or 35 / 130 kHz (MF3). The unit is equipped with an oscillation device for the cleaning basket which assists and improves the cleaning effect of the ultrasound, and which also provides a drip-off support for the stainless-steel basket. The units of the Elmasonic X-tra pro series can be combined with a rinsing tank (with / without heating) and a hot air dryer of the relevant size. The units are delivered including support frame.

### Product features:

- ultrasonic tank made of extremely cavitation-proof stainless steel (V4A)
- inclined tank floor to facilitate the draining of the cleaning liquid
- skimming ledge for the optional surface skimming, e.g. of oil
- bottom scouring of removed sediments (optional)
- sandwich-type performance transducer systems
- two ultrasonic frequencies, switchable in one unit (version MF2 25 kHz/45 kHz or version MF3 37 kHz/130kHz), for either intensive, or gentle cleaning
- user-friendly operation by keys and display; 5 display languages available
- setting and starting of up to 5 user-defined cleaning programmes
- timer for the programming of day controlled or time controlled cleaning start, and user-defined switch-off
- activatable sweep mode for a continuous shifting of sound field maxima, guarantees a more homogeneous sound field distribution in the bath
- activatable pulse mode for an intensified ultrasonic cleaning power for tenacious contaminations.
- activatable degas mode for the efficient degassing of the cleaning liquid and for special laboratory cleaning tasks
- manual setting of ultrasonic intensity
- heating with temperature control (30°C – 80°C)
- automatic safety switch-off after 12 h operation to prevent unintended permanent operation
- automatic safety switch-off at 90 °C to protect the cleaning items against excess temperatures
- level monitoring with integrated automatic safety switch-off in case of too low liquid level
- housing made of V2A stainless steel
- drain duct made of V2A stainless steel, mounted to the unit rear
- connection ducts for the optional connection of peripheric equipment (e.g. filter-pump system, oil separator)
- connection to an external control system possible (PLC / PC)

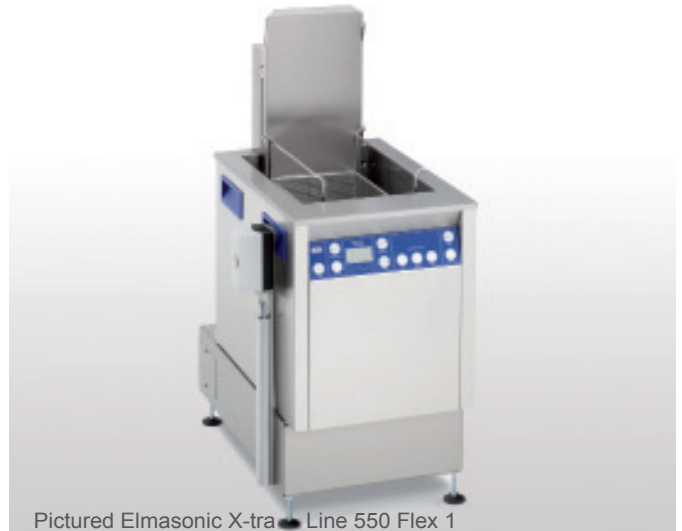


### Technical data

Mains voltage (Vac)	1 x 230-240 V / N / PE	Tank filling volume V (L)	32
Mains plug / Connected load (A)	CEKON / 32	EKO Basket int. dim. W/D/H (mm)	248 / 258 / 188
Power consumption total ultrasonic cleaner (W)	2300	EKO Basket mesh size (mm)	8 / 8 / 1
Ultrasonic power effective (W)	600	EKO Basket loading max. (kg)	20
Ultrasonic peak performance max.* (W)	2400	Drain	1"
Heating (W)	1700	Material tank	Stainless steel
Power consumption oscillation (W)	170	Unit Weight (kg)	80
Unit outer dimensions W / D / H (mm)	500 / 770 / 1100	Protection class	IP 23
Tank service dimensions W / D / H (mm)	327 / 332 / 250	* The signal form of the wave results in a factor 4 for the ultrasonic peak max.	

# Elmasonic X-tra Line 550 Flex 1

Modular ultrasonic cleaning unit  
with oscillation device



Pictured Elmasonic X-tra Line 550 Flex 1

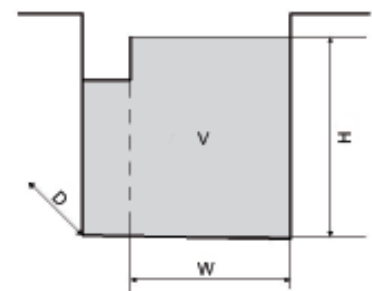
## Elma Order Nos.

Elma X-tra 550 MF2O	103 3282
Elma X-tra 550 MF3O	103 3283
Stainless steel basket EKO 550	100 2209
Stainless steel cover EDO 550	100 4972
Further accessoires on request	

Ultrasonic single workstation for the industrial cleaning, available in 5 different unit sizes (300, 550, 800, 1200 and 1600) and two different models each: multi-frequency 25 / 45 kHz (MF2) or 35 / 130 kHz (MF3). The unit is equipped with an oscillation device for the cleaning basket which assists and improves the cleaning effect of the ultrasound, and which also provides a drip-off support for the stainless-steel basket. The units of the Elmasonic X-tra pro series can be combined with a rinsing tank (with / without heating) and a hot air dryer of the relevant size. The units are delivered including support frame.

## Product features:

- ultrasonic tank made of extremely cavitation-proof stainless steel (V4A)
- inclined tank floor to facilitate the draining of the cleaning liquid
- skimming ledge for the optional surface skimming, e.g. of oil
- bottom scouring of removed sediments (optional)
- sandwich-type performance transducer systems
- two ultrasonic frequencies, switchable in one unit (version MF2 25 kHz/45 kHz or version MF3 37 kHz/130kHz), for either intensive, or gentle cleaning
- user-friendly operation by keys and display; 5 display languages available
- setting and starting of up to 5 user-defined cleaning programmes
- timer for the programming of day controlled or time controlled cleaning start, and user-defined switch-off
- activatable sweep mode for a continuous shifting of sound field maxima, guarantees a more homogeneous sound field distribution in the bath
- activatable pulse mode for an intensified ultrasonic cleaning power for tenacious contaminations.
- activatable degas mode for the efficient degassing of the cleaning liquid and for special laboratory cleaning tasks
- manual setting of ultrasonic intensity
- heating with temperature control (30°C – 80°C)
- automatic safety switch-off after 12 h operation to prevent unintended permanent operation
- automatic safety switch-off at 90 °C to protect the cleaning items against excess temperatures
- level monitoring with integrated automatic safety switch-off in case of too low liquid level
- housing made of V2A stainless steel
- drain duct made of V2A stainless steel, mounted to the unit rear
- connection ducts for the optional connection of peripheric equipment (e.g. filter-pump system, oil separator)
- connection to an external control system possible (PLC / PC)



## Technical data

Mains voltage (Vac)	3 x 400 V / N / PE	Tank filling volume V (L)	55
Mains plug / Connected load (A)	CEKON / 32	EKO Basket int. dim. W/D/H (mm)	248 / 428 / 224
Power consumption total ultrasonic cleaner (W)	3650	EKO Basket mesh size (mm)	8 / 8 / 1
Ultrasonic power effective (W)	1000	EKO Basket loading max. (kg)	20
Ultrasonic peak performance max.* (W)	4000	Drain	1"
Heating (W)	2900	Material tank	Stainless steel V4A
Power consumption oscillation (W)	170	Unit Weight (kg)	90
Unit outer dimensions W / D / H (mm)	500 / 940 / 1200	Protection class	IP 23
Tank service dimensions W / D / H (mm)	327 / 501 / 295	* The signal form of the wave results in a factor 4 for the ultrasonic peak max.	

# Elmasonic X-tra Line 800 Flex 1

Modular ultrasonic cleaning unit  
with oscillation device



Pictured Elmasonic X-tra Line 550 Flex 1

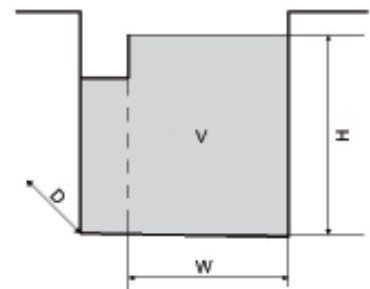
## Elma Order Nos.

Elma X-tra 800 MF2O	103 3286
Elma X-tra 800 MF3O	103 3287
Stainless steel basket EKO 800	100 2211
Stainless steel cover EDO 800	100 4972
Further accessoires on request	

Ultrasonic single workstation for the industrial cleaning, available in 5 different unit sizes (300, 550, 800, 1200 and 1600) and two different models each: multi-frequency 25 / 45 kHz (MF2) or 35 / 130 kHz (MF3). The unit is equipped with an oscillation device for the cleaning basket which assists and improves the cleaning effect of the ultrasound, and which also provides a drip-off support for the stainless-steel basket. The units of the Elmasonic X-tra pro series can be combined with a rinsing tank (with / without heating) and a hot air dryer of the relevant size. The units are delivered including support frame.

## Product features:

- ultrasonic tank made of extremely cavitation-proof stainless steel (V4A)
- inclined tank floor to facilitate the draining of the cleaning liquid
- skimming ledge for the optional surface skimming, e.g. of oil
- bottom scouring of removed sediments (optional)
- sandwich-type performance transducer systems
- two ultrasonic frequencies, switchable in one unit (version MF2 25 kHz/45 kHz or version MF3 37 kHz/130kHz), for either intensive, or gentle cleaning
- user-friendly operation by keys and display; 5 display languages available
- setting and starting of up to 5 user-defined cleaning programmes
- timer for the programming of day controlled or time controlled cleaning start, and user-defined switch-off
- activatable sweep mode for a continuous shifting of sound field maxima, guarantees a more homogeneous sound field distribution in the bath
- activatable pulse mode for an intensified ultrasonic cleaning power for tenacious contaminations.
- activatable degas mode for the efficient degassing of the cleaning liquid and for special laboratory cleaning tasks
- manual setting of ultrasonic intensity
- heating with temperature control (30°C – 80°C)
- automatic safety switch-off after 12 h operation to prevent unintended permanent operation
- automatic safety switch-off at 90 °C to protect the cleaning items against excess temperatures
- level monitoring with integrated automatic safety switch-off in case of too low liquid level
- housing made of V2A stainless steel
- drain duct made of V2A stainless steel, mounted to the unit rear
- connection ducts for the optional connection of peripheric equipment (e.g. filter-pump system, oil separator)
- connection to an external control system possible (PLC / PC)

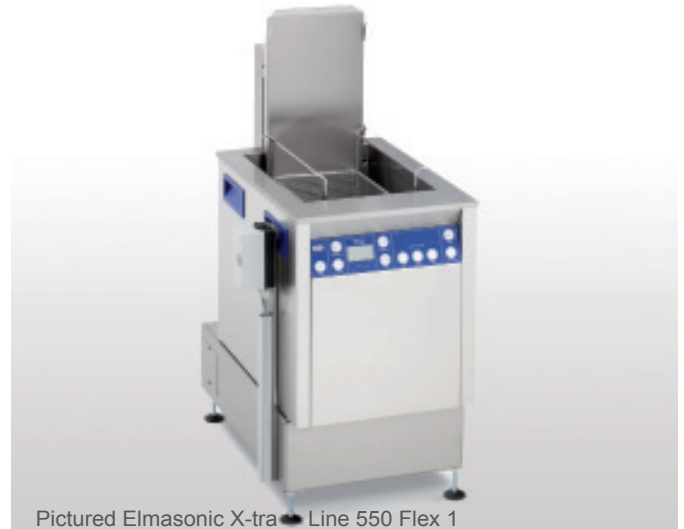


## Technical data

Mains voltage unit (Vac)	3 x 400 V / N / PE	Tank filling volume V (L)	84
Mains plug / Connected load (A)	CEKON / 32	EKO Basket int. dim. W/D/H (mm)	244 / 424 / 372
Power consumption total ultrasonic cleaner (W)	6810	EKO Basket mesh size (mm)	8 / 8 / 1
Ultrasonic power effective (W)	1000	EKO Basket loading max. (kg)	20
Ultrasonic peak performance max.* (W)	4000	Drain	1"
Heating (W)	5800	Material tank	Stainless steel V4A
Power consumption total oscillation (W)	170	Unit Weight (kg)	110
Unit outer dimensions W / D / H (mm)	500 / 940 / 1500	Protection class	IP 23
Tank service dimensions W / D / H (mm)	327 / 501 / 445	* The signal form of the wave results in a factor 4 for the ultrasonic peak max.	

# Elmasonic X-tra Line 1200 Flex 1

Modular ultrasonic cleaning unit  
with oscillation device



Pictured Elmasonic X-tra Line 550 Flex 1

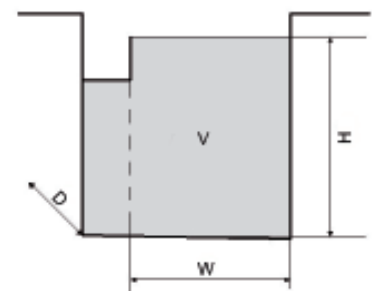
## Elma Order Nos.

Elma X-tra 1200 MF2O	103 3291
Elma X-tra 1200 MF3O	103 3292
Stainless steel basket EKO 1200	101 1662
Stainless steel cover EDO 1200	101 1744
Further accessoires on request	

Ultrasonic single workstation for the industrial cleaning, available in 5 different unit sizes (300, 550, 800, 1200 and 1600) and two different models each: multi-frequency 25 / 45 kHz (MF2) or 35 / 130 kHz (MF3). The unit is equipped with an oscillation device for the cleaning basket which assists and improves the cleaning effect of the ultrasound, and which also provides a drip-off support for the stainless-steel basket. The units of the Elmasonic X-tra pro series can be combined with a rinsing tank (with / without heating) and a hot air dryer of the relevant size. The units are delivered including support frame.

## Product features:

- ultrasonic tank made of extremely cavitation-proof stainless steel (V4A)
- inclined tank floor to facilitate the draining of the cleaning liquid
- skimming ledge for the optional surface skimming, e.g. of oil
- bottom scouring of removed sediments (optional)
- sandwich-type performance transducer systems
- two ultrasonic frequencies, switchable in one unit (version MF2 25 kHz/45 kHz or version MF3 37 kHz/130kHz), for either intensive, or gentle cleaning
- user-friendly operation by keys and display; 5 display languages available
- setting and starting of up to 5 user-defined cleaning programmes
- timer for the programming of day controlled or time controlled cleaning start, and user-defined switch-off
- activatable sweep mode for a continuous shifting of sound field maxima, guarantees a more homogeneous sound field distribution in the bath
- activatable pulse mode for an intensified ultrasonic cleaning power for tenacious contaminations.
- activatable degas mode for the efficient degassing of the cleaning liquid and for special laboratory cleaning tasks
- manual setting of ultrasonic intensity
- heating with temperature control (30°C – 80°C)
- automatic safety switch-off after 12 h operation to prevent unintended permanent operation
- automatic safety switch-off at 90 °C to protect the cleaning items against excess temperatures
- level monitoring with integrated automatic safety switch-off in case of too low liquid level
- housing made of V2A stainless steel
- drain duct made of V2A stainless steel, mounted to the unit rear
- connection ducts for the optional connection of peripheric equipment (e.g. filter-pump system, oil separator)
- connection to an external control system possible (PLC / PC)



## Technical data

Mains voltage unit (Vac)	3 x 400 V / N / PE	Tank filling volume V (L)	112
Mains plug / Connected load (A)	CEKON / 32	EKO Basket int. dim. W/D/H (mm)	436 / 509 / 222
Power consumption total ultrasonic cleaner (W)	9320	EKO Basket mesh size (mm)	8 / 8 / 1
Ultrasonic power effective (W)	1800	EKO Basket loading max. (kg)	40
Ultrasonic peak performance max.* (W)	7200	Drain	1"
Heating (W)	7500	Material tank	Stainless steel V4A
Power consumption total oscillation (W)	320	Unit Weight (kg)	200
Unit outer dimensions W / D / H (mm)	730 / 1070 / 1500	Protection class	IP 23
Tank service dimensions W / D / H (mm)	550 / 600 / 303	* The signal form of the wave results in a factor 4 for the ultrasonic peak max.	



# Elmasonic X-tra Line 1600 Flex 1

## Modular ultrasonic cleaning unit with oscillation device



Pictured Elmasonic X-tra Line 550 Flex 1

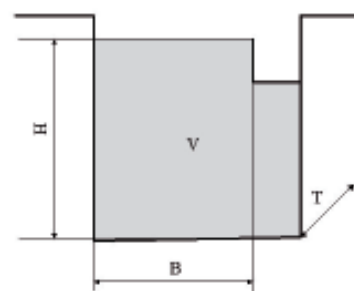
### Elma Order Nos.

Elma X-tra 1600 MF2O	103 3296
Elma X-tra 1600 MF3O	103 3297
Stainless steel basket EKO 1600	102 2016
Stainless steel cover EDO 1600	101 1744
Further accessoires on request	

Ultrasonic single workstation for the industrial cleaning, available in 5 different unit sizes (300, 550, 800, 1200 and 1600) and two different models each: multi-frequency 25 / 45 kHz (MF2) or 35 / 130 kHz (MF3). The unit is equipped with an oscillation device for the cleaning basket which assists and improves the cleaning effect of the ultrasound, and which also provides a drip-off support for the stainless-steel basket. The units of the Elmasonic X-tra pro series can be combined with a rinsing tank (with / without heating) and a hot air dryer of the relevant size. The units are delivered including support frame.

### Product features:

- ultrasonic tank made of extremely cavitation-proof stainless steel (V4A)
- inclined tank floor to facilitate the draining of the cleaning liquid
- skimming ledge for the optional surface skimming, e.g. of oil
- bottom scouring of removed sediments (optional)
- sandwich-type performance transducer systems
- two ultrasonic frequencies, switchable in one unit (version MF2 25 kHz/45 kHz or version MF3 37 kHz/130kHz), for either intensive, or gentle cleaning
- user-friendly operation by keys and display; 5 display languages available
- setting and starting of up to 5 user-defined cleaning programmes
- timer for the programming of day controlled or time controlled cleaning start, and user-defined switch-off
- activatable sweep mode for a continuous shifting of sound field maxima, guarantees a more homogeneous sound field distribution in the bath
- activatable pulse mode for an intensified ultrasonic cleaning power for tenacious contaminations.
- activatable degas mode for the efficient degassing of the cleaning liquid and for special laboratory cleaning tasks
- manual setting of ultrasonic intensity
- heating with temperature control (30°C – 80°C)
- automatic safety switch-off after 12 h operation to prevent unintended permanent operation
- automatic safety switch-off at 90 °C to protect the cleaning items against excess temperatures
- level monitoring with integrated automatic safety switch-off in case of too low liquid level
- housing made of V2A stainless steel
- drain duct made of V2A stainless steel, mounted to the unit rear
- connection ducts for the optional connection of peripheric equipment (e.g. filter-pump system, oil separator)
- connection to an external control system possible (PLC / PC)



### Technical data

Mains voltage unit (Vac)	3 x 400 V / N / PE	Tank filling volume V (L)	167
Mains plug / Connected load (A)	CEKON / 32	EKO Basket int. dim. W/D/H (mm)	436 / 509 / 372
Power consumption total ultrasonic cleaner (W)	9520	EKO Basket mesh size (mm)	8 / 8 / 1
Ultrasonic power effective (W)	2000	EKO Basket loading max. (kg)	40
Ultrasonic peak performance max.* (W)	8000	Drain	1"
Heating (W)	7500	Material tank	Stainless steel V4A
Power consumption total oscillation (W)	320	Unit Weight (kg)	220
Unit outer dimensions W / D / H (mm)	730 / 1070 / 1700	Protection class	IP 23
Tank service dimensions W / D / H (mm)	550 / 600 / 456	* The signal form of the wave results in a factor 4 for the ultrasonic peak max.	

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