



## Elmasonic xtra ST

### Description of Elmasonic xtra ST

The Elmasonic X-tra ST range of devices is designed for use in a rugged production environment, workshops and servicing. Designed for continuous operation at the highest load levels, in single-shift operation with a three-year warranty. A wide range of features make it easy and effective to work with these devices.




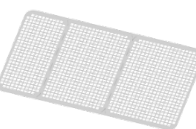

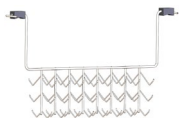
You can easily set and monitor all the parameters that you need such as time and heating preselection, the ultrasound frequency and other programmable functions on the control panel that is located on the front.

Elmasonic xtra ST	300H	500H	600H	800H	1400H	1600H	1900S	2500H
Item No. EU	107 6429 230-240V	107 6433 230-240V	107 6435 230-240V	-	-	-	107 6443 230- 240V	-
Item No. EU	-	-	107 6431 3x400V	107 6438 3x400V	107 6440 3x400V	107 6442 3x400V	-	107 6439 3x400V
Item No. USA	107 7481 240V/60HZ	107 7482 240V/60HZ	107 7483 240V/60HZ	-	-	-	-	-
Item No. USA	-	-	107 7057 3x200-208V	107 7056 3x200-208V	107 7058 3x200-208V	107 7059 3x200-208V	-	107 7060 3x200-208V
Item No. UK	109 4597 230-240V	1094599 230-240V	1094601 230-240V	-	-	-	-	-

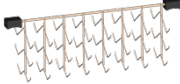

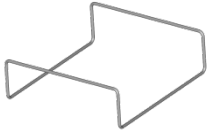
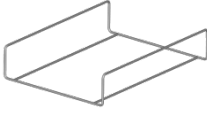
Product features of Elmasonic xtra ST	300H	500H	600H	800H	1400H	1900S	1600H	2500H
• Ultrasonic trough made of stainless steel	•	•	•	•	•	•	•	•
• Sloping trough base to drain the cleaning liquid better	•	•	•	•	•	•	•	•
• Sandwich high-performance oscillation systems	•	•	•	•	•	•	•	•
• Ultrasound frequency can be switched over between 25 kHz for coarse and pre-cleaning and 45 kHz for fine cleaning	•	•	•	•	•	•	•	•
• Sweep function for continuous shifting of the maximum sound pressures and bringing about more homogenous sound distribution in the cleaning bath	•	•	•	•	•	•	•	•
• Switchable pulse function to intensify the ultrasonic cleaning effect In addition, optimization of readiness for operation (reaching the cavitation threshold) and after replacing the basket (reduction in cleaning time)	•	•	•	•	•	•	•	•
• Dynamic function: The sweep and pulse functions run alternately on an automatic basis. The ultrasound output is increased by up to 20%. At the same time, the uniform distribution of ultrasound in the ultrasonic bath enhances the cleaning effect.	•	•	•	•	•	•	•	•
• Heating with temperature regulation (30°C-80°C)	•	•	•	•	•	•	•	•
• Temperature-controlled ultrasound function: the ultrasound starts automatically when the preselected temperature is reached	•	•	•	•	•	•	•	•
• Automatic safety shutdown after 12 hours of operation to avoid accidental continuous operation	•	•	•	•	•	•	•	•
• Automatic safety shutdown at bath temperature of 90° to protect from excessive temperature	•	•	•	•	•	•	•	•
• Display of the set values and the actual values on the LED display	•	•	•	•	•	•	•	•
• Housing made of stainless steel	•	•	•	•	•	•	•	•
• Rollers with a parking brake to move the device when it is empty	•	•	•	•	•	•	•	•
• Uniform exposure of the material to be cleaned to ultrasound on two sides						•		
• Stainless steel liquid drain on the device side	•	•	•	•	•		•	•
• Stainless steel liquid drain with brass ball valve on the device side						•		

Technical data									
Elmasonic xtra ST	300H	500H	600H		800H	1400H	1600H	1900S	2500H
<b>Mechanical data</b>									
Max. volume of trough (L)	30	50	58		83	126	162	187	255
Working volume of trough (L)	22	42	45		70	97	133	134	215
Internal dimensions of trough W x D x H (approximate in mm)	330/300/300	330/300/500	500/330/350		500/330/500	600/600/350	600/600/450	410/650/720	750/650/520
External dimensions of device W x D x H (approximate in mm)	500/550/936	500/550/936	670/580/936		670/580/936	885/850/936	885/850/936	615/900/940	1035/900/936
Weight (kg)	40	45	55	56	61	87	93	75	107
Max. basket loading (kg)	12	12	25		40	50	50	40	50
Ball valve (")	3/4	3/4	3/4		3/4	1	1	3/4	1
<b>Electrical data</b>									
Mains voltage (Vac)	230-240 (50/60Hz)	230-240 (50/60Hz)	230-240 (50/60Hz)	3x400 V/N/PE-50Hz 3x200-208 V/PE-60Hz	3x400 V/N/PE-50Hz 3x200-208 V/PE-60Hz	3x400 V/N/PE-50Hz 3x200-208 V/PE-60Hz	3x400 V/N/PE-50Hz 3x200-208 V/PE-60Hz	230-240 (50/60Hz)	3x400 V/N/PE-50Hz 3x200-208 V/PE-60Hz
Ultrasound frequency (kHz)	25/45	25/45	25/45		25/45	25/45	25/45	25/45	25/45
Total power consumption (W)	2000	2000	2400	3800	5200	6800	9500	3350	9500
Effective ultrasound output (ultrasound/pulse/mode) (W)	480 (25/45 kHz)	540 (25 kHz) 600 (45 kHz)	800 (25 kHz) 900 (45 kHz)		900 (25 kHz) 1000 (45 kHz)	1440 (25/45 kHz)	1600 (25 kHz) 1800 (45 kHz)	1000 (25/45 kHz)	1800 (25 kHz) 2000 (45 kHz)
Max. peak ultrasound output * (ultrasound/pulse/mode) (W)	1920 (25/45 kHz)	1920 (25/45 kHz)	3200 (25 kHz) 3600 (45 kHz)		3600 (25 kHz) 4000 (45 kHz)	5760 (25/45 kHz)	6400 (25 kHz) 7200 (45 kHz)	4000 (25/45 kHz)	7200 (25 kHz) 8000 (45 kHz)
Effective ultrasound output (dynamic mode) (W)	600	600	1000		1000	1800	2000	-	2000
Max. peak ultrasound output * (dynamic mode) (W)	2400	2400	4000		4000	7200	8000	-	8000
Heating power (W)	1400	1400	1400	2800	4200	5000	7500	2300	7500
* Due to the signal shape, four times the value results for the maximum peak value of ultrasound output									
<b>Noise level</b>									
Sound pressure level (L <sub>pAU</sub> )**	<b>&lt;80 dB</b> ** Measured sound pressure level with basket and noise protection cover at a distance of 1 metre								
Ultrasound level (L <sub>pZ</sub> )**	<b>&lt;110 dB</b> ** Measured sound pressure level with basket and noise protection cover at a distance of 1 metre								

**Accessories:**

Elmasonic xtra ST	300H	500H	600H	800H	1400H	1600H	1900S	2500H
 Device cover (to put on) <b>Item No.</b>	107 6813	107 6813	107 6814	107 6814	107 6810	107 6810	108 2904	107 6807
 Sound protection cover (hinged lid) <b>Item No.</b>	107 6213	107 6213	107 6211	107 6211	107 6206	107 6206	-	107 6202
 Stainless steel basket Inner dimensions (WxDxH mm): <b>Mesh (mm):</b> <b>Item No.</b>	257/233/166 10x10x1,6 102 7339	257/233/366 10x10x1,6 107 6253	419/259/214 10x10x1,6 102 6584	402/259/364 10x10x1,6 102 7349	490/525/202 10x10x1,6 102 7350	480/525/292 10x10x1,6 102 7351	-	630/575/360 10x10x1,6 102 7352
 Silicone mat (WxDxH mm): <b>Mesh width (mm):</b> <b>Item No.</b>	450/245/1 7,5x7,5x1 108 2378	450/245/1 7,5x7,5x1 108 2378	450/245/1 7,5x7,5x1 108 2378	450/245/1 7,5x7,5x1 108 2378	450/245/1 7,5x7,5x1 108 2378	450/245/1 7,5x7,5x1 108 2378	-	450/245/1 7,5x7,5x1 108 2378
 Stainless steel basket *** (WxDxH mm): <b>Mesh (mm):</b> <b>Item No.</b>	-	-	-	-	-	-	360/560/240 12x12x1,5 108 2920	-
 Jewellery holder with 48 hooks; for units <u>WITHOUT</u> cover (W=383mm;H=213mm) <b>Item No.</b>	104 5459	104 5459	104 5459	104 5459	-	-	-	-

**Accessories:**

Elmasonic xtra ST		300H	500H	600H	800H	1400H	1600H	1900S	2500H
	Jewellery holder with 48 hooks for units <u>WITH</u> cover (W=295mm;H=103mm )								
	<b>Item No.</b>	108 9627	108 9627	108 9627	108 9627	-	-	-	-
	Jewellery holder with 10 hooks; for units <u>WITH</u> cover (W=330mm;H=62mm)								
	<b>Item No.</b>	100 7938	100 7938	100 7938	100 7938	-	-	-	-
	Bracket for jewellery holder (1089627 & 1007938)  (W=299mm; D=276mm; H=88mm)								
	<b>Item No.</b>	108 9637	108 9637	-	-	-	-	-	-
	Bracket for jewellery holder (1089627 & 1007938)  (W=329mm; D=441mm; H=88mm)								
	<b>Item No.</b>	-	-	108 9640	108 9640	-	-	-	-

\*\*\* Illustration of stainless steel basket including basket insert, mesh grid for basket insert 43x43x3 (mm)

We reserve the right to make technical and visual modifications 09/2018