



Thirty years of Exceptional Dental Cleaning Equipment



February 2022

800-276-2466

Who is ESMA, Inc.



ESMA, Inc. began building its strong reputation over 30 years ago by formulating electropolishing solutions and manufacturing electropolishing equipment for the dental industry. In 1976, ESMA continued to expand their product line of ultrasonic cleaners by offering their clients unique, skilled-labor saving systems used by companies around the world for a variety of cleaning applications in a variety of industries.

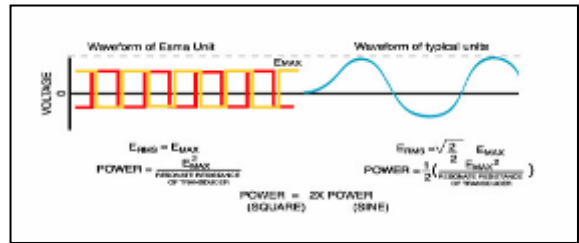
Our manufacturing facility is staffed with specialized technicians that can offer the client customized solutions to their specific needs. They tell us what they want and if we do not already have the equipment to fit their requirement – *we build it.*

Visit our website at www.esmainc.com for a complete description of our equipment and services. And remember, if you don't see what you need on the site – give us a call and *we'll build it.*



What Makes Our Ultrasonic Process Unique?

Our ultrasonic cleaning equipment operates with a squarewave signal at a primary resonant frequency of 40 kHz. A squarewave signal maximizes power and creates an acoustic output pregnant in harmony which results in a multi-frequency tank vibrating simultaneously at several harmonic frequencies of the primary resonant frequency. Our circuitry superimposes a dual squarewave to create a continuous complete signal at constant amplitude. The combined effect of this technology creates an ultrasonic cleaner suitable for any application.



Our Featured Equipment

Our automatic ultrasonic washers are designed to simplify the pre sterilization preparation process. The preprogrammed cycles are very similar to that of a dishwasher but unlike the dishwasher style our competition has, our process incorporates high-powered ultrasonic technology. The E789 washer enables a hands-free ultrasonic process that includes cleaning, rinsing and hot air drying. ***Load it and push a button! It's that simple.***

These flush-mounted, counter-recessed units require very little counter space and need no more installation than that of a standard sink. Automatic Ultrasonic Washers create savings in many areas; time, space and aesthetics. The most significant savings are related to reduced labor and all the hidden costs that are involved.



E789

Here are some of our features of this amazing cleaner:

- All stainless steel construction
- Over 15 years of successful in-field history
- Unprecedented warranty
- PLC controlled, custom programming available
- Long-lasting potted transducers
- Square wave ultrasonic circuitry
- Backed by quality assurance of UL
- Single push-button activation
- RFI filtered



Esma brand cleaning solutions and soaking chemicals



Esma has also been producing its own line of chemicals specifically designed for our equipment. These products have been made with the user in mind to provide ease of use and affordability as well as working well in conjunction with our equipment.

We formulate and mix our own brand of ultrasonic cleaners which when used with Esma brand ultrasonics are designed not only to clean instruments, but also to restore that luster associated with new dental/medical instruments.

Try our enzymatic cleaner when concerned about disintegrating blood and tissue from instruments.

We also produce a line of soaking solutions especially designed to aid the dentist and orthodontist in cleaning plaster, wax, cement and other products without leaving tarnish on aluminum trays.

Try our chemicals, we are sure you will be satisfied that you did.



Some of our Products Include:

Esma-Shine – Mildly alkaline ultrasonic instrument cleaner concentrate – Helps to restore instrument shine.

Esma-Zyme – Near-neutral pH blend of highly soluble synthetic detergents and specialty enzymes for blood and tissue removal

Esma-Compound Remover – For removal of polishing compounds; Also good for general cleaning

Esma General Purpose Cleaner – Powerful instrument cleaner. Low foaming, easily rinsed.

Esma-Instant Ultrasonics – Acidic solution formulated to remove cement. Ideal for stainless instruments.

Tarter Cleaner – Specially designed solution for cleaning obnoxious tarter accumulations. Can be used ultrasonically or soaking.

Tray Cleaner – Ultrasonic or soaking solution for cleaning trays, instruments, flask, articulators and bowls. Dissolves plaster, loosens alginates. Will not tarnish aluminum.

Plaster from Dentures – Plaster-stone remover. Ideal for small cavities & interproximal spaces.

Cement Remover – Removes cement from instruments, metal, glass, rubber, plastic band pusher, saliva ejector, air and water syringes.

Plaster Solvent – Completely dissolves plaster and loosens alginates on trays.





Wax Solvent – Cleans wax off teeth and molds. No damage to silicone coat or acrylics. Slow evaporation. No Chlorinated hydrocarbons.

Automatic Ultrasonic Washers

Esma Automatic Ultrasonic Washers are designed to simplify the pre-sterilization process. The preprogrammed cycles are very similar to that of a dishwasher, but our process incorporates high-powered ultrasonic technology. Esma's ultrasonic washers create a "hands-free" procedure that includes ultrasonic cleaning, ultrasonic rinsing and hot air drying. Load it and push a button! *It's that simple.* These flush-mounted, counter-recessed units require very little counter space and need no more installation than a sink.

- Virtually eliminates hand scrubbing
- No more rinsing in the sink under running water
- No more open air towel drying

Automatic Ultrasonic Washers **create savings** in many areas: time, space and aesthetics, with the most **significant savings** being in direct labor dollars and all the hidden costs associated in this area.

Unit	Description	Model	Price	Features	Illustrations
3.5 Gallon Ultrasonic Washer (UL Listed)	Computer controlled. Single push button operation. Ultrasonic cleaning/rinsing/drying Tank: 12" x 10" x 8" ** Includes a metering pump for automatic detergent dispensing.	E397	\$5,545.00 Deduct: 1,195.00 without dryer	Includes basket or rack Fits: 3 - Large cassettes (8 x 11)	
6.5 Gallon Ultrasonic Washer, (UL Listed)	Computer controlled. Single push button operation. Ultrasonic cleaning/rinsing/drying Tank: 13" x 11" x 11" ** Includes a metering pump for automatic detergent dispensing.	E789	\$7,595.00 Includes Rack - 61X Or Basket 61V	Includes basket or rack Fits: 6 - large cassettes (8 x 11)	
7 Gallon Ultrasonic Washer	Same as above. NEW tank design to accommodate large Oral Surgery Cassettes: 14" x 8" Tank: 15" x 9.5" x 10.5"	E789 (OMS)	\$7,595.00 Includes Rack - 61X Or Basket 61V-OMS	Includes cassette rack Fits: 6 - Large OMS Cassettes (14 x 8)	
18 Gallon Ultrasonic Console Washer, (UL Listed)	Automated-ultrasonic cleaning, ultrasonic rinsing, warm air drying-Computer controlled. Stainless Steel console. Tank: 24" x 14" x 12"	E889	\$21,850.00	Includes basket or rack	

Automatic Washer Accessories

General Purpose Baskets

Designed to fit in the Automatic Washer units:
E789, E789-OMS or E397



	Dimensions	Part#	Price
E789	12.5 x 10 x 5	061-V	\$225.00
E789-OMS	14 x 9 x 4	061-V-OMS	\$295.00
E397	10 x 8.5 x 4	045-O-R	\$205.00

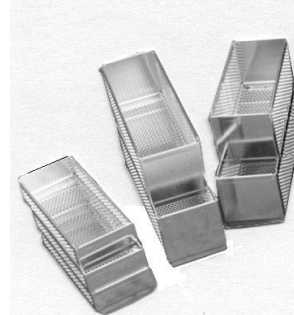
Esma Insertion Baskets

Designed to fit in the Automatic Washer series as an alternative to cassettes. Baskets nest together enabling to clean as many as 24 baskets per cycle.



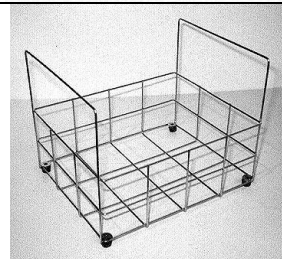
	Dimensions	Part#	Price
	11.5 x 3 x 2.5	061-Y	\$160.00
	6.875 x 2.875 x 1.375	064-V	\$65.00
	6.875 x 2.875 x 2.875	064-W	\$65.00
	10 x 2.875 x 2.875	064-X	\$140.00

Small Parts	2 x 2 x 2	062-P	\$60.00
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Racks

Designed to hold cassettes or Esma insertion baskets



	Dimensions	Part#	Price
E397	10 x 8.5 x 4	046-R	\$65.00
E789	12.5 x 10 x 5	061-X	\$95.00
E789-OMS	14 x 9 x 4	061-X-OMS	\$95.00




Detergent Concentrates for Automatic Washers

At Esma we formulate and mix our own brand of ultrasonic cleaners, which, when used with Esma brand ultrasonics, are designed not only to clean instruments, but also to restore that luster associated with new dental/medical instruments.

Try our enzymatic cleaner when concerned about disintegrating blood and tissue from instruments.

Concentrated solutions for economy.

- Low foaming, a MUST for use in automated system
- Powerful mixtures/concentrates for thorough instrument cleaning
- Complete rinsing
- Pleasant fragrances

Product Name	Description	Code	Qty	Price/Gal	Illustrations
Esma-Shine	Mildly alkaline ultrasonic instrument cleaner concentrate. Helps Restore Instrument shine.	E105	1 Gal 4 Gal (case)	\$46.64/Gal \$42.61/Gal	
Esma-Zyme	Near-neutral pH blend of highly soluble synthetic detergents and specialty enzymes for blood and tissue removal.	E1204	1 Gal 4 Gal (case)	\$48.00/Gal \$44.90/Gal	
Esma General Purpose Cleaner	Powerful instrument cleaner. Low foaming, easily rinsed.	E589	1 Gal 4 Gal	\$46.40/Gal \$42.61/Gal	





Recessed Ultrasonic Cleaning Systems

Esma multi-chambered or single-chambered, counter-recessed, ultrasonic cleaning systems are designed to simplify the pre-sterilization process. Ultrasonic cleaning in our powerful ultrasonic cleaning chambers will eliminate the manual cleaning that is subject to human error and the possibility of injury and infection by personnel.

Ultrasonic rinsing is a unique feature within our multi-chambered systems. We combine powerful ultrasonics with flushing hot water which results in the most thorough rinsing of drag-out contaminants from the cleaning tank. Hot air drying eliminates towel drying and the messy drips created from ultrasonic-to-sink-to-counter movement.

"Well designed with the doctor in mind"


- Custom tank configurations are available.
- Tanks designed to fit instrument cassette systems
- Noise reduction of ultrasonics due to counter-recessed equipment
- All stainless steel construction
- Unprecedented warranty
- Built to last with up to 15 year life cycle under normal conditions

Unit	Description	Model	Price	Features	Illustrations
Vale Counter-Recessed (UL Listed)	Ultrasonic Cleaning-Ultrasonic Rinsing-Drying 3.5 Gal. Tank 12"L x 10"W x 8"D 300 watts ultrasonic per tank (1 & 2)	E289	\$7,995.00	Includes: 2-Covers (22B) & Heater (15X)	
Counter-Recessed Cleaner/Rinser/Dryer (UL Listed)	Ultrasonic Cleaning – Tank 1 Ultrasonic Rinsing – Tank 2 Drying – Tank 3 4.5 Qt Tanks Tanks: 9.5" x 5.5" x 6" 100 watts per tank (1 & 2)	E488	\$4,295.00	Includes: 2 covers (22A) & Heater (15J)	
Counter-Recessed Cleaner/Rinser/Dryer with Soaking Tanks (UL Listed)	Ultrasonic Cleaning Ultrasonic Rinsing Drying Soaking-two tanks 4.5 Qt Tanks Tanks: 9.5" x 5.5" x 6" 100 watts per tank (1 & 2)	E887	\$4,595.00	Includes: 4 covers (22A) & Heater (15J)	
Counter-Recessed Ultrasonic Cleaner (14 Quart)	Recessed Ultrasonic Cleaner Top mounted controls Auto fill/Auto drain Solution heater 15 minute integral timer 3.5 Gal. Tank 12"L x 10"W x 8"D 300 watts ultrasonic	E888R	\$3,395.00	Includes: Cover & Heater	

Tabletop Ultrasonic Cleaners


Esma's tabletop ultrasonic equipment is designed and built to last much longer than typical tabletop ultrasonic cleaners.

- Superior electronics. Our solid state circuitry supplies AC voltage to transducers with a continuous, complete square-wave at a constant amplitude producing multiple harmonics to the bath providing more homogenous cleaning.
- Superior construction. Units are all housed in stainless steel cabinetry for unsurpassed durability and appearance.
 - Built to last with up to 15 year life cycle under normal conditions
- Superior Service. Built and serviced completely in the USA, we provide technical service and repairs for our equipment to ensure long-lasting customer satisfaction.

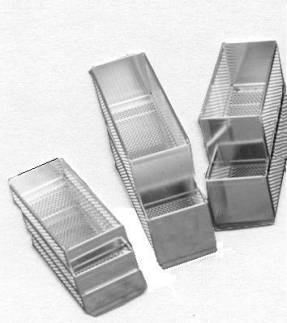
Unit	Description	Model	Price	Features	Illustrations
Vale-1 4.5 Quart Ultrasonic Cleaner	Ultrasonic Cleaner Tank: 9.5" x 5.5" x 6"	E283	\$1,500.00		
Vale-14Q 14 Quart Ultrasonic Cleaner	Ultrasonic Cleaner Tank: 12" x 10" x 8"	E888	\$2,295.00	Includes cover	
		E988- Rinser	\$2,530.00		
		E9881- Dryer	\$1,595.00		
Colster-3 Counter-top Cleaner/ Rinser/ Dryer	Ultrasonic Cleaning – Tank 1 Ultrasonic Rinsing – Tank 2 Drying – Tank 3 4.5 Qt Tanks Tanks: 9.5" x 5.5" x 6"	E386	\$4,295.00	Includes 2 covers (22A) & Heater (15J)	

Tabletop and Multi-tank Ultrasonic Cleaner Accessories

Baskets

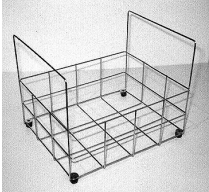
	Stainless Steel Basket for 4.5 Quart tank	036-P	\$195.00	
	Stainless Steel Basket for 14 Quart tank	045-O	\$205.00	

Insertion Baskets (require a wire rack)

	11.5 x 3 x 2.5	061-Y	\$140.00	
	11.5 x 4.75 x 3	064-M	\$185.00	
	6.875 x 2.875 x 1.375	064-V	\$65.00	
	6.875 x 2.875 x 2.875	064-W	\$65.00	
	10 x 2.875 x 2.875	064-X	\$140.00	
	Small Parts 2 x 2 x 2	062-P	\$60.00	

Rack

Designed to hold cassettes or Esma insertion baskets

6.5 Gallon E789	12 x 10 x 4	061-X	\$120.00	
3.5 Gallon E397	10 x 8.5 x 4	046-R	\$80.00	

Covers

	Stainless Steel Covers for 4.5 Quart tank	022-A	\$32.00	
	Stainless Steel Covers for 10 & 14 Quart tanks	022-B	\$45.00	

Solution Heater

	200 Watt Solution Heater for 4.5, 10 & 14 Quart tanks	015-X	\$120.00	
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Detergent-Concentrates and Soaking Chemicals






Esma has formulated and mixes a line of soaking solutions and ultrasonic cleaning solutions especially designed to aid the dentist and/or orthodontist in cleaning plaster, wax, cement and other products without leaving tarnish on aluminum trays.

Product Name	Description	Code	Qty	Price/Gal
Esma-Instant Ultrasonics	Acidic solutions formulated to remove cement. Ideal for stainless instruments.	E2761	1 Gal	\$52.05/Gal
			4 Gal (case)	\$46.64/Gal
Esma-Compound Remover	For removal of polishing compounds; Also good for general cleaning. Acidic Solution.	E484	1 Gal	\$52.05/Gal
			4 Gal (case)	\$46.64/Gal
Tarter Cleaner	Specially designed solution for cleaning obnoxious tarter accumulations. Can be used ultrasonically or soaking.	E373	1 Gal	\$46.64/Gal
			4 Gal (case)	\$44.10/Gal
Cement Remover	Removes cement from instruments, metal, glass, rubber, band pusher, saliva ejector, and air and water syringe.	E675	1 Gal	\$45.58/Gal
			4 Gal (case)	\$42.61/Gal
Plaster from Dentures	Plaster-stone remover. Ideal for small cavities & interproximal spaces.	E874	1 Gal	\$45.58/Gal
			4 Gal (case)	\$42.61/Gal




Electropolishers

Auxie Electropolishers have been the *workhorse* of the partial department. The “*auxies*”, when combined with *esma-brite* electropolishing solution, result in superior shine and maximum labor savings. Unprecedented luster 50% of the current is directed inside the deep palate. *Never a “burned” clasp Eliminate 80% of manual polishing.*

Built to last Auxie units feature: Stainless steel cabinets, Non-corroding electrodes, Circuit breaker protection-No damage to partial if shorting occurs, Independent operation of each station, Temperature controlled heating and fan cooling-Increases life of polishing solution 1 year unconditional guarantee.

Unit	Description	Model	Price	Features	Illustrations
Auxie-1	One Station	E678-1	\$2,300	Cr/Co-Ni/Cr Partials Includes 1 gallon of Esmabrite and all accessories and holding assemblies	
Auxie-3	Three Independent Stations	E678-3	\$3,490.00	Cr/Co-Ni/Cr Partials Includes 1 gallon of Esmabrite and all accessories and holding assemblies	
Auxie-5	Five Independent Stations	E678-5	\$4,690.00	Cr/Co-Ni/Cr Partials Includes 2 gallon of Esmabrite and all accessories and holding assemblies	
Anodic Polisher	Orthodontic Wire Reducer Band Reconditioner/ Polisher	E279	\$950.00	Has no oven. * Reduces and polishes arch wires * Cleans and reconditions bands	
Auxie-1 Ortho	For S.S. Electro polishing (Production)	E1085-1	\$2,270.00	Ideal for Orthodontic Labs	

Electrolyte Solutions For Electropolishers

Product Name	Description	Code	Qty	Price/Gal	Illustrations
Esma-Brite	Electropolishing electrolyte for chrome-cobalt partials	E272	1 Gal	\$56.82/Gal	
			4 Gal (case)	\$51.84/Gal	
Esma-Nickel	Electropolishing electrolyte for chrome-nickel partials	E581	1 Gal	\$64.02/Gal	
			4 Gal (case)	\$58.40/Gal	
Esma-Ortho	Highly Effective electropolishing electrolyte for orthodontists and orthodontic labs for wire reduction and band reconditioning	E273	1 Quart	\$45.00/Quart	
			1 Gal	\$118.00/Gal	
			4 Gal	\$103.35/Gal	

ALL EQUIPMENT CARRIES A ONE-YEAR UNCONDITIONAL GUARANTEE. ULTRASONIC EQUIPMENT CARRIES A TWO-YEAR GUARANTEE ON CIRCUIT BOARDS AND A LIFETIME GUARANTEE ON WELD SEAMS AND TRANSDUCER BONDS.



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