

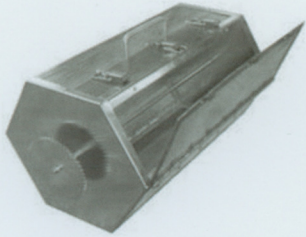
# Features & Specs



## Optional Tumbler Feature for Most Esma Ultrasonic Model's

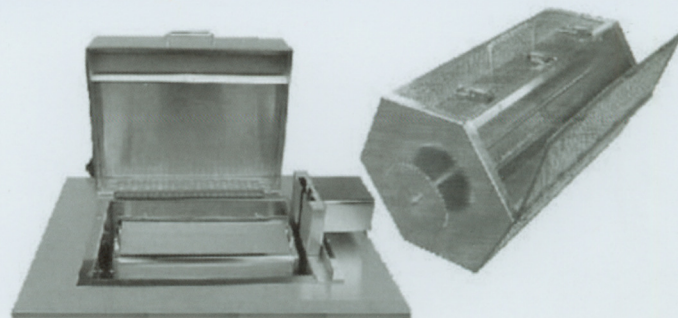
### *"Let's get ready to tumble"*

Add our new Tumbling System, which incorporates a rotating basket within an ultrasonic cleaning bath, to the Esma Tabletop or Automatic Ultrasonic Washers. The combination of tumbling and ultrasonic cleaning clears many of the obstacles normally associated with aqueous cleaning systems. Chips, oils, debris, etc. that accumulate in blind holes/cavities can be effectively loosened and removed. Small parts that tend to cluster are kept separate for optimum cleaning. Trapped air can escape allowing ultrasonic cavitations to penetrate the part. Trapped liquids can escape during drying for increased efficiency. Tumbled parts move consistently through the nodes of increased energy that naturally form within ultrasonic bath. Whether cleaning, rinsing or drying within the cleaning cycle, tumbling and ultrasonics form a very effective combination.



#### FEATURES:

- Easily removes chips, oil, debris, etc. from parts with blind holes
- Excellent cleaning of small parts that tend to cluster in a static tank
- Eliminate trapped air allowing ultrasonics to penetrate internal bores
- Effectively move parts through nodes of increased energy that develop in ultrasonic tanks
- Eliminate trapped liquid for easy drying



For best results, use Esma General Purpose Cleaner E589, a low foaming cleaner concentrate specifically formulated for our automatic ultrasonic washers.





The Automatic Ultrasonic Series

Fully Automatic Single Push-Button  
Ultrasonic Washers with Parts Rotation

## 9 Gallon Ultrasonic Tumbling Equipment



Available as cleaners (Model E188T),  
Rinsers (Model E288T) and  
Dryers (Model E388T)

or

Automated ultrasonic washers that  
clean/rinse/dry in a single tank  
(Model E700T)



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# Features & Specs



## KEY BENEFITS

- Easily remove chips, oil, debris, etc. from parts with *blind holes*
- Excellent cleaning of small parts that tend to cluster in a static tank
- Eliminate trapped air allowing ultrasonics to penetrate internal bores
- Effectively move parts through nodes of increased energy that develop in ultrasonic tanks
- Eliminate trapped liquid for easy drying

## *"Let's get ready to tumble"*

Introducing our new Ultrasonic Tumbling System, which incorporates a rotating basket within an ultrasonic cleaning bath. The combination of tumbling and ultrasonic cleaning clears many of the obstacles normally associated with aqueous cleaning systems. Chips, oils, debris, etc. that accumulate in blind holes/cavities can be effectively loosened and removed. Small parts that tend to cluster are kept separate for optimum cleaning. Trapped air can escape allowing ultrasonic cavitations to penetrate the part. Trapped liquids can escape during drying for increased efficiency. Tumbled parts move consistently through the nodes of increased energy that naturally form within ultrasonic bath. Whether cleaning, rinsing or drying within the cleaning cycle, tumbling and ultrasonics form a very effective combination.



## FEATURES:

- All stainless steel construction
- Electronic housed in separate power module
- RFI filtered
- Heated Bath
- 15 minute timer
- Tumbler Rotation - 3 rpm
- Tumbler controlled independently or by timer
- Square wave ultrasonic circuitry
- ESMA's One/Two/Life Warranty
- 900 watts ultrasonic power, 38kHz

## OPTIONAL FEATURES:

- Pump/filter systems
- Heated storage systems
- 80 kHz transducers
- Digital timers and temperature controllers
- 1200 watt ultrasonic upgrade

## DIMENSIONS:

120v 1900w  
Tank Dimensions: 18"x12"x10"  
Basket Dimensions:  
10" diameter x 15" x 5/32" mesh  
Cabinet Dimensions:  
26" x 15" x 15" and 18" x 18" x 8"



Also available as an automatic washer with tumbler, in either tabletop equipment or self-contained console units. (console unit shown with Esma 30 gallon storage tanks.)