



# Zenith Ultrasonics

## Waves at Work

85 Oak St., Norwood, NJ 07648-0412 Tel: 800-432-SONIC (7664) sales@zenith-ultrasonics.com www.zenith-ultrasonics.com

## MEC Economy Multi-stage Cleaners

Lower-cost alternative to console-grade multi-stage systems



If you are looking for a multi-stage ultrasonic cleaning system at a lower cost, our MEC-series of cleaners is the best choice. These systems do not include the support frame and enclosure, single-piece table-top, or many of the options which can be found in our MEC console systems and are not as convenient to operate but perhaps the EMT design will meet your needs at a lower cost.

The MEC-series is available as a 2-tank system which includes a single ultrasonic cleaning tank and single rinse tank, or a 4-tank series which is pictured to the left which includes a single ultrasonic

cleaning tank, dual cascade overflow rinse tanks, and a drying tank.

All MEC systems are essentially table-top tanks which are positioned on the included stainless steel cart. Each tank is electrically isolated from the other and requires a separate power cord for each tank unless the optional single power drop option is purchased. Ultrasonic transducers are mounted directly to the bottom of the ultrasonic cleaning tank rather than in replaceable submersible transducer packs as in our console-grade systems, and external blanket heaters with dial temperature controllers are used rather than immersion heating systems with this series. All tanks include fill ports, and rinse tanks also include overflow ports to permit intermittent or continuous addition of water to maintain water purity.

Stainless steel drain-backs are included to prevent liquids from dripping down between neighboring tanks and an insulated stainless steel hinged drying tank cover is used for the drying tank while other tanks includes removable stainless steel covers.

Filtration, Automatic Rinse Quality Maintenance, digital temperature controllers, and EAS Automation Systems which are designed specifically for the MEC multi-stage systems are also available as optional equipment to customize the equipment to suit your needs. However, the MEC series is not available with the tremendous number of options which are available for the MTC console-grade cleaning systems and are only compatible for applications where loads are less than 35 pounds.



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## Standard Models, 2 or 4-tank systems:

MEC4-400-1: 14" x 10" x 12" tall tank size

MEC4-800-2: 20" x 12" x 14" tall tank size

MEC4-1200: 24" x 18" x 15" tall tank size



## Features:

All 316L stainless steel construction.

3/4" drain valves.

Heating system with dial temperature controllers on each tank.

Choice of ultrasonic frequencies: 25kHz, 40kHz, 80kHz, or CROSSFIRE Multiple Frequency Ultrasonics.

0-30 minute mechanical timer.

Separate power connection for each tank.

Fill and overflow ports on rinse tanks.

## Upgrades:

Digital Temperature Controllers which provide readout of actual bath temperature.

Digital Cycle Timers which display set point and actual values with range up to 99 hours.

Stainless steel support cart with casters.

Single-point electrical connection to power both tanks.

NEW: EAS Economy Automation Systems designed specifically for this series of systems.