



**CREST**  
ULTRASONICS

# THE OPTIMUM CONSOLE™

Crest Ultrasonics' Optimum Console™ is a versatile ultrasonic precision cleaning system designed to clean a wide range of industrial components. It is available in aqueous or semi-aqueous process versions to solve today's high tech cleaning challenges.

Engineered with a compact, space saving design and rugged stainless steel tubular frame, The Optimum Console™ is a cost effective solution to industrial cleaning applications. It offers the convenience of an all in one, wash-rinse-dry design with single point facility connections for easy installation. It is a user-friendly, manually operated console, available with automation upon purchase or it can be added at a later date.

## Aqueous & Semi Aqueous Precision Cleaning System



Manual and Automated Consoles in inventory for immediate delivery

**CTS Series Automated Cantilever Transport System** (Optional) is rugged and reliable. It provides consistent processing for industrial and cleanroom applications.

**Custom Fixtured Baskets** configured for ideal cleaning of intricate parts.

**Load Station** (Optional) with basket sensors to automatically activate transport and process cycle.

**Tanks** are constructed of 316L stainless steel.

**Genesis Generators** Patented constant power provides TRU-SWEEP sweep frequency cleaning action. Available in 25, 40, 58, 132, 192, 360 kHz and 1 MHz frequencies, designed for specific cleaning

**Ultrasonic Wash** Provides high intensity heated ultrasonic wash. Filtered recirculation with overflow weir removes oil and particulate contaminants.

**Heated Ultrasonic Rinse** Provides a two stage reverse flow cascade rinse with spray-over immersion, conserving space and water usage. Maximizes rinses for spot-free drying.

Designed for easy operator use. Includes electronically timed ultrasonics, P.I.D. Temperature controllers, and illuminated indicator switches.

**Sliding Dryer Cover** with optional automatic activation.

**Electrical Box** Conveniently located for easy access.

**High Efficiency Recirculating Hot Air Dryer** Has unique updraft air flow design to dry parts quickly. Compressed air blow off allows for speed and efficiency.

**Dryer Filter Chamber** Optional HEPA-type filter.

## Optional Features

- Custom Sizes and Tank Configuration
- Oil Coalescing Units
- Automatic Filling and Draining
- In-Tank PH, Refractivity, and Resistivity Monitors
- PLC Controlled, Dual Axis, Automation Packages
- Standard Baskets and Custom Fixturing
- Rotumbler™ Rotational Baskets
- Closed-Loop Deionized Water Systems

**System Details**

Model	Tank Dimensions	Footprint	Sonic Power	Wash Heat	Rinse Heat	Dryer Heat /CFM
OC4-1014-HE OC5-1014-HE	10" x 14" x 10" 10" x 14" x 10"	80" x 34" x 38" 95" x 34" x 38"	500W 500W	1 kW 1 kW	2 kW 2 kW	5 kW/1100 5 kW/1100
OC4-1218-HE OC5-1218-HE	12" x 18" x 12" 12" x 18" x 12"	89" x 38" x 39" 106" x 38" x 39"	1000W 1000W	2 kW 2 kW	3 kW 3 kW	5 kW/1100 5 kW/1100
OC4-1622-HE OC5-1622-HE	16" x 22" x 16" 16" x 22" x 16"	110" x 43" x 44" 132" x 43" x 44"	1000W 1000W	4 kW 4 kW	4 kW 4 kW	10 kW/1100 10 kW/1100
OC4-1826-HE OC5-1826-HE	18" x 26" x 18" 18" x 26" x 18"	119" x 46" x 44" 141" x 46" x 44"	1500W 1500W	4 kW 4 kW	6 kW 6 kW	12.5 kW/1100 12.5 kW/1100
OC4-2436-HE OC5-2436-HE	24" x 36" x 20" 24" x 36" x 20"	157" x 56" x 52" 189" x 56" x 52"	3500W 3500W	8 kW 8 kW	12 kW 12 kW	20 kW/1800 20 kW/1800



*Standard Power for 1014 through 1826 sizes is 240V/3Phase, 208V can be used but will have lower heating efficiency. Dimensions listed are for manual models only and do not include the External Generator Rack, Automation, and other accessories. Standard Frequencies: 40 kHz on wash stations, 132 kHz on rinse stations. Optional Frequencies: 25 kHz, 58 kHz, 192 kHz, 360 kHz, 1MHz as well as dual/triple frequencies.*

For precision cleaning applications, the four station OC4 provides a Wash-Rinse-Rinse-Dry configuration. The rinses are set up as a reverse cascade flow for water conservation and include final fresh spray header above each rinse.

The five station OC5 provides a Wash-Wash-Rinse-Rinse-Dry system which is similar but also includes an additional independent wash station. The additional station can be used for extended wash time or dual detergent applications.



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