



**CREST**  
ULTRASONICS

# Ultrasonic Vapor Degreasers



Precision Cleaning



Eco-Friendly



Cost Efficient



TECHNOLOGY *that moves*



**Solvac**  
advanced solvent cleaning



# SOLVAC™ VAPOR DEGREASER SYSTEMS

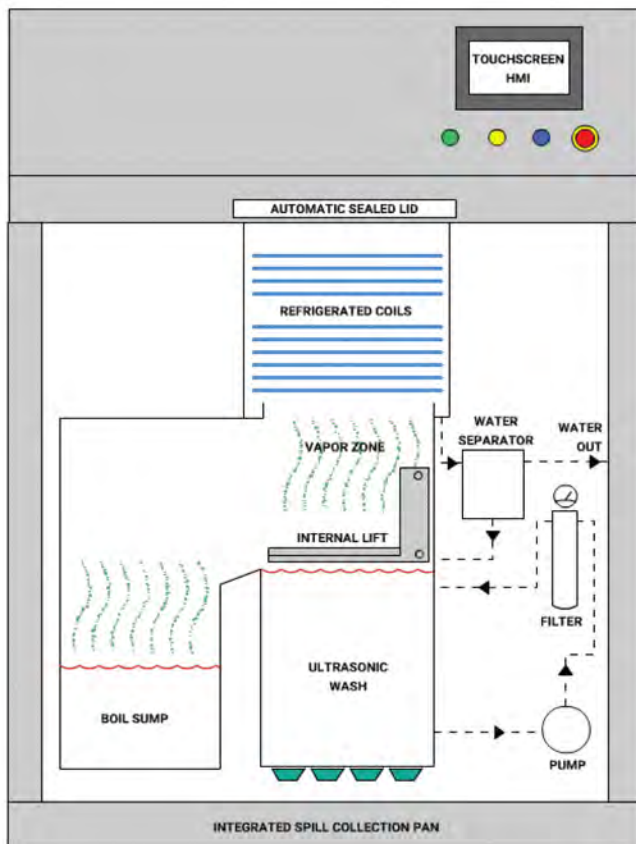
## CREST ULTRASONICS SOLVAC™ SERIES THE SOUND CHOICE

Crest Ultrasonics has been the leader for over 50 years in the ultrasonic cleaning industry. Crest has been creating the standard for advanced precision cleaning equipment with a breadth of line known for its quality, long-lasting performance, and precision cleaning results. Our commitment to excellence continues with our new, highly advanced Solvac™ Vapor Degreaser systems.

## COMPACT CLEANING PACKED WITH ECO-FRIENDLY TECHNOLOGY

Solvac™ Vapor Degreaser systems are designed to safely operate with several of today's non-flammable and EPA-approved solvents. Our automated compression lid seals in machine contents, which allows more efficient use of energy and fewer carbon emissions into the environment. Additionally, a Vapotronic Electro-Pulse Modulation system increases solvent retention and reduces energy consumption over conventional vapor degreasers.

Reduce required floor space, operator time, operational costs, and carbon emissions with the Crest Solvac™ Series of precision ultrasonic vapor degreasers.



## SUPERIOR CLEANING FOR A WIDE RANGE OF INDUSTRIES

Solvac™ Vapor Degreaser systems have proven to effectively remove contaminants such as surface oils, greases, solder flux and wax. Many companies spanning a wide range of industries depend upon Solvac™ Ultrasonic Vapor Degreasers including medical, automotive, aerospace, electronics, and optical. From rugged industrial applications to critically precise needs, Solvac™ Vapor Degreaser systems can meet your company's cleaning demands.

## THE CLEANING POWER OF SONICS

Ultrasonic energy introduced into a solution causes alternating patterns of low and high-pressure phases. During the low-pressure phase, bubbles or vacuum cavities form. In the subsequent high-pressure phase, these bubbles implode violently. This is called cavitation.

Cavitation provides an intense scrubbing action that leads to unsurpassed cleaning speed and consistency. Additionally, the bubbles are small enough to penetrate even microscopic crevices, cleaning them thoroughly and consistently. As a result, ultrasonic cleaning is one of the most effective and efficient methods you can use for cleaning a wide array of parts, without abrasive contact materials on your part's surface.

Our exclusive ceramically enhanced transducers ensure uniform cleaning throughout the tank by sweeping the ultrasonic frequency 3 kHz, creating overlapping ultrasonic waves that provide more consistent cleaning.

Crest Ultrasonics is the global leader in the design, wet process development, and manufacturing of precision cleaning equipment. We are committed to providing the best technology and solutions to meet the needs of our customers – both in products and wet process design. Our global Crest Group organization provides the significant resources, manufacturing expertise, and industry experience needed to support our customers around the world.



## SOLVAC™ S1

L 38", W 36", H 53"



## SOLVAC™ S2

L 62", W 54", H 57"



### LEADING-EDGE TECHNOLOGY IN A COMPACT SIZE

The cost-efficient Solvac™ S1 provides automated solvent washing, rinsing, cooling, and drying all in a single compact unit. The S1 offers premium standard features at a budget-friendly cost.

- **Reduces solvent consumption by lowering freeboard area temperature** — With an increase in the freeboard coil zone

### TWIN SUMP DESIGN FOR CO-SOLVENT CLEANING APPLICATIONS

The eco-friendly S2 offers the Solvac™ line's most premium features.

- **Reduces operator labor, cycle times, and overall running costs** — Automatic low-line transfer, using an internal lifter that keeps the lid closed and sealed throughout the process
- **Highly efficient component drying with maximizing solvent distillation** — Twin refrigeration units (dedicated primary and secondary cooling) ensure that vapor heat load does not affect freeboard cooling

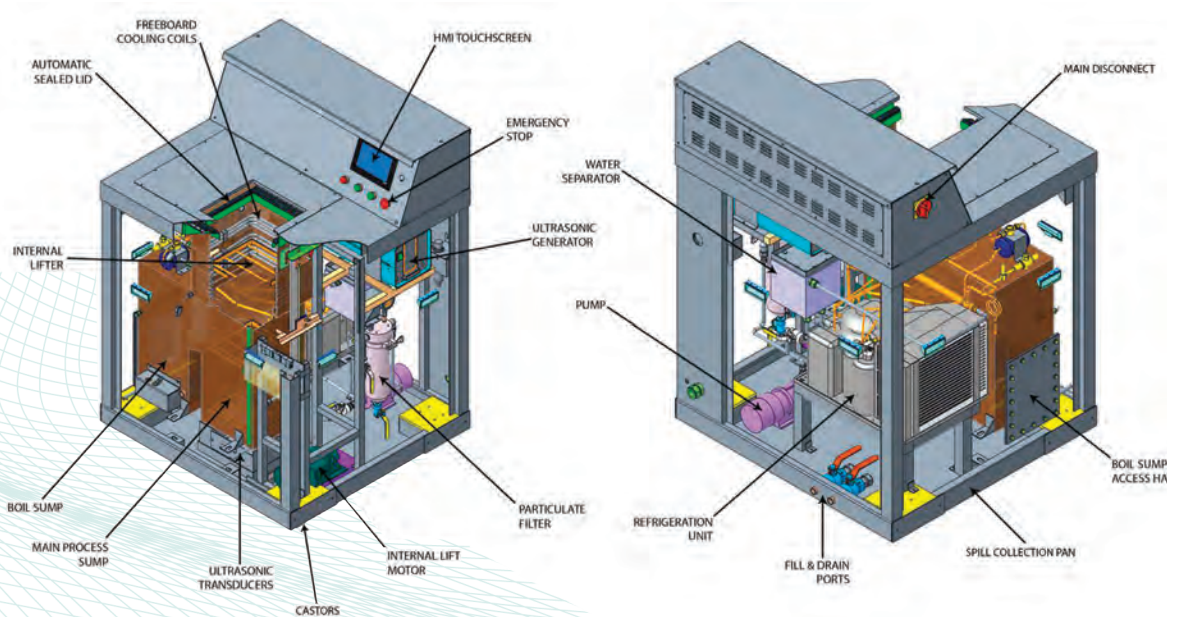
### THE SOLVAC™ ADVANTAGE

(features in both the S1 and S2 models)

- **Reduces solvent consumption and costs**— Solvac™ auto-sealing compression lid serves to retain solvent, which is more efficient than machines without auto-sealing lids
- **Reduces solvent loss, lowers electric expense** — Vapotron Electronic Pulse Modulation System sends electrical heat energy into the solvent only as needed, instead of the continual flow used in less efficient machines
- **Improved operator controls and diagnostics** — Compact PLC coupled with a high-resolution, full-color touchscreen HMI
- **Easy remote access, data export, and firmware updates** — Front-panel mounted RJ45 connection and a USB port on the PLC for stick drive
- **Upgraded refrigeration minimizes solvent loss, increases efficiency** — Able to maintain a colder freeboard area vs. competitive models
- **Maximizes vapor rinsing for better cleaning** — Distilled solvent cooler line helps reduce the process sump temperature, thereby increasing the temperature differential between components and vapor
- **Increases operator safety** — Interlocking the internal lifter with the lid helps eliminate hoist movement while the lid is open
- **Highly convenient process status reports** — Unobtrusive LED status strip uses a combination of red, green, and blue lights to display current status of the cleaning process



# SOLVAC™ VAPOR DEGREASER SIZES AND OPTIONS



## SOLVAC™ S1 - COMPACT ULTRASONIC VAPOR DEGREASER

Model	Tank Dimensions L x W x H	Basket Dimensions L x W x H	Voltage	System Solvent Capacity	Ultrasonic Frequency	Ultrasonic Power	Heat
S1-1010	10" x 10" x 9.5" 255mm x 255mm x 250mm	7.75" x 7.75" x 8.50" 196mm x 196mm x 215mm	208V-230V 50-60Hz	11.6 US gallons 44 litres	132kHz	375 watts	1200 watts
S1-1812	18.5" x 11.8" x 11.7" 470mm x 300mm x 297mm	15.25" x 9.25" x 8.50" 387mm x 234mm x 215mm	208V 3- 60Hz US 415V 3- 50Hz Europe	37 US gallons 140 litres	132kHz	1000 watts	4000 watts

## SOLVAC™ S2 - TWIN SUMP, CO-SOLVENT ULTRASONIC VAPOR DEGREASER

Model	Tank Dimensions L x W x H	Basket Dimensions L x W x H	Voltage	System Solvent Capacity	Ultrasonic Frequency	Ultrasonic Power	Heat
S2-1812	19.7" x 15" x 14.4" 500mm x 388mm x 365mm	15.25" x 9.25" x 8.50" 387mm x 234mm x 215mm	208V 3- 60Hz US 415V 3- 50Hz	39 US gallons 150 litres	40 kHz wash sump 132 kHz rinse sump	750 watts	4000 watts

STANDARD OPTIONS AND COMPLETE CUSTOMIZATION TO MEET YOUR UNIQUE APPLICATION NEEDS.

**Standard options include:** Pre-filter, transfer pump, three-color stack light, spare parts package, rotation, baskets

**Custom options include:** Up to two additional process stations, custom tank sizes, ultrasonic frequencies, lift capacity, transport automation, data acquisition/reporting, bar code scanning, super-heat drying, enclosure with load/unload positions, custom baskets



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