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TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

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Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

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- In stock / Ready-to-ship
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- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

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Find the *Sonics Vibra-Cell VCX-500* at our website: ***Click HERE***

500 and 750 Watt Ultrasonic Processors – VCX Series – 250 microliters to 1 liter*

Real time display . . .





VCX 500 – VCX 750

- **Exclusive Energy Setpoint**
  The energy setpoint continuously monitors the amount of energy in Joules (watts x seconds), that is being delivered to the probe, and terminates the ultrasonics when the desired amount of energy has been dispensed.
- **Wattmeter**
  Digitally displays the actual amount of power in watts that is being delivered to the probe.
- **Automatic Tuning and Frequency Control**
  Eliminates the need for constant adjustment of the power supply.
- **Integrated Temperature Controller**
  Precludes harmful overheating of the sample and guarantees process integrity by terminating the ultrasonics when the sample temperature reaches a predetermined limit. Allows process control and monitoring from 1°C to 100°C.
- **Consistent Reproducibility**
  Time saving memory stores up to ten procedures to facilitate protocol duplication, automate repetitive tasks, and eliminate technician-to-technician method variability.
- **Microprocessor Based – Programmable**
  Digital accuracy and repeatability assures adherence to the most exacting protocol.
- **Automatic Amplitude Compensation**
  Ensures uniform probe amplitude regardless of the varying loading conditions encountered during the processing cycle.
- **On Demand Real Time Display**
  Provides a window on the process. No more assumptions. No more approximations. Pressing a button enables all set and run parameters to be continuously displayed on the screen, providing operating mode confirmation without process interruption.
- **Variable Power Output Control**
  Allows the ultrasonic vibrations at the probe tip to be set to any desired amplitude. Selected output level is clearly displayed on the screen.
- **Ten Hour Process Timer**
  Controls the processing time from 1 second to 10 hours.
- **Elapsed Time Indicator**
  Monitors both the elapsed time and the duration of processing.
- **Independent On/Off Pulser**
  Enables safe treatment of temperature-sensitive samples at high intensity, and provides mixing by repeatedly allowing the sample to settle back under the probe after each burst. Both on and off cycles are independently controllable from 1 second to 59 seconds.
- **User Friendly**
  Menu driven fill-in-the-blank prompts provide intuitive guidance through all functions.
- **Smallest Footprint In Its Class**
  Ultra-compact design eases emplacement and optimizes bench space. Only 7½" x 13½" (190 x 340 mm).

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SPECIFICATIONS

POWER SUPPLY	Net power output: VCX 500 - 500 Watts. VCX 750 - 750 Watts. Frequency: 20 kHz Remote actuation compatible Dimensions (H x W x D) 9¼" x 7½" x 13½" (235 x 190 x 340 mm) Weight: 15 lbs. (6.8 kg)
SEALED CONVERTER	Model CV 33. Piezoelectric lead zirconate titanate crystals (PZT) Diameter: 2½" (63.5 mm) Length: 7¼" (183 mm) Weight: 2 lb. (900 g) Cable length: 6' (1.8 m)
STANDARD PROBE	Tip diameter: ½" (13 mm) with threaded end and replaceable tip Part No. 630-0220 or solid probe with non-replaceable tip Part No. 630-0219. Please specify.* Processing capability: 10 ml to 250 ml.** Length: 5⅜" (136 mm) Weight: ¾ lb. (340 g) Titanium alloy Ti-6Al-4V
TEMPERATURE PROBE (Optional)	Allows sample temperature to be monitored up to 100°C. Stainless steel. Part No. 830-00060
ELECTRICAL REQUIREMENTS	Unless otherwise requested, units are shipped wired for 117 volts, 50/60 Hz. For export, please specify desired voltage option.

ORDERING INFORMATION

	Part No.
500 Watt ultrasonic processor	VCX 500
750 Watt ultrasonic processor	VCX 750

Unless otherwise requested, shipped complete and ready for operation with a ½" (13 mm) probe with replaceable tip,* tool kit, and instruction manual.

* Do not use a probe with replaceable tip when processing samples containing organic solvents or low surface tension liquids. Use solid probe Part No. 630-0219 instead. Unless otherwise requested, the probe supplied will have a replaceable tip.

** For other volumes please refer to probe and microtip listings. A different probe can be substituted for the standard probe.

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Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

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