

Sonomechanics Extractor Product Line

High-Intensity Ultrasonic Extraction Systems



- Swiftly extract substances from plants, mushrooms and microorganisms.
- Ensure reproducible high-quality results on any scale, from lab to industrial.
- Replace harsh solvents with milder, greener food-grade alternatives and still achieve superior results.
- Maintain precise temperature control to preserve heat-sensitive substances.
- Handle a wide range of volumes, from a few milliliters to many hundreds of liters of biomass/solvent slurry at a time

Overview

Specifically designed for the most challenging and highest-value extraction projects, ISM equipment combines the ability to deliver high-intensity ultrasound with a directly scalable process flow, which is unique in the industry.

High-intensity ultrasound enables efficient, high-yield extraction of alkaloids, cannabinoids, terpenes, polyphenols, recombinant proteins, and many other bioactives. In many cases, harsh organic solvents can also be replaced with green alternatives, such as ethanol or water, while still providing superior results.



ULTRASONIC EXTRACTORS COMPARISON CHART

					
FEATURES	JET-LITE	JET	PRO-LITE	PRO	MAX
Batch Size	100 - 500 ml	100 ml - 2 L	5 - 7 L	500 ml - Unlimited	2 L - Unlimited
Barbell Horn®-Based	✓	✓	✓	✓	✓
Continuous 24/7 Operation	✗	✗	✓	✓	✓
Flow-Through Capability	✗	✓	✓	✓	✓
Sound Enclosure	✓	✓	✗	✓	✓
Maintenance/Warranty Support	✓	✓	✓	✓	✓
Bioactive extract compatibility (partial list) <ul style="list-style-type: none">• alkaloids (kratom, mushrooms, etc.)• cannabinoids• terpenes• polyphenols• recombinant proteins	✓	✓	✓	✓	✓
Processing Rates	Material-dependent	Material-dependent	Material-dependent	Material-dependent	Material-dependent
Footprint (LxDxH)	30"x20"x30"	72"x30"x30"	65"x30"x45"	70"x32"x40	75"x33"x46"
Solvent compatibility	Most	Most	Most	Most	Most
Post-processing required	Material-dependent but typically: spent biomass removal, solvent recovery, extract refinement				

HAVE QUESTIONS?

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