



PRESS RELEASE

MIAMI (October 10, 2023)-Industrial Sonomechanics(ISM) Introduces Breakthrough Technology for Ultrasound-Assisted Extraction (UAE)

Specifically designed for the most challenging and highest value extraction projects, ISM sets itself apart by combining the ability to deliver high intensity ultrasound (enjoying a 4x advantage over the nearest competitor) with a scalable process flow (10-15L/minute flow rate) that is unique in the industry. This versatile and custom configured equipment set can be applied to multiple bioactives, botanicals, microorganisms, pharmaceuticals, and other related compounds.

Jeff Meyer, COO of Industrial Sonomechanics, dubs this new specialty line a beast when it comes to extraction. Meyer notes “The new ISM ultrasonic system empowers companies to swiftly extract a diverse array of botanicals on a large scale, creating a faster ROI for the customer.”



Ultrasonic Assisted Extraction (UAE)—The ISM Difference

ISM’s equipment package enables you to extract active pharmacological agents for drug formulation applications, polyphenols for the food and beverage industry, alkaloid-rich extracts from kratom leaves and mushrooms, as well as cannabinoids and terpenes.

ISM ultrasonic extraction solutions are differentiated due to the patented Barbell Horns® generating high ultrasonic amplitudes at all operational scales. Unlike many alternatives that are confined to laboratory use, the ISM extraction system handles volumes from milliliters to hundreds of liters of slurry. Further, for biomass slurries prone to settling, ISM offers an optional in-line high-shear mixing pump.

The ISM extractor system offers precise temperature control and features first-of-its-kind, patented, fully sealed water-cooled transducers enabling work with flammable materials, including organic solvents. The ISM solution frequently permits replacing harsh organic solvents with milder, greener, and more economical food-grade alternatives like ethanol or water while achieving superior results.

ISM UAE—The Choice is Clear

Across all the technical and business drivers related to extraction, ISMs ultrasonic assisted extraction technology wins over the competition. Utilizing ISMs patented technology, the rate of extract processing and the associated yield outpaces CO2 extraction, solvent extraction, high pressure homogenization, as well as other sonication solutions. The ISM solution enables a lower operating and associated maintenance cost, thereby increasing the return on investment. The capital equipment cost of the ISM extraction processor is a fraction of the competition, thereby eliminating high start up costs as an obstacle. Finally, the safety configuration and low/no pressure processing environment make using the system a comfortable solution for your team members.

For more information and to place an order, please visit our website:

<https://sonomechanics.com/>

Have questions? Contact ISM at 1.786.233.9255 or contact@sonomechanics.com.

About Industrial Sonomechanics, LLC.

Industrial Sonomechanics, LLC, (ISM) is a U.S. research & development, equipment design and manufacturing, and process consulting company specializing in high-intensity ultrasonic technology for liquid treatment. ISM's patented Barbell Horn® Ultrasonic Technology allows generating extremely high ultrasonic amplitudes and cavitation intensities at any scale, making it possible to directly apply laboratory optimization results in an industrial production environment. ISM helps businesses optimize their ultrasound-assisted processes and implement them in commercial-scale production. Globally, clients can utilize ISM ultrasonic liquid processors in conjunction with NanoStabilizer® formulations or contract with ISM to provide finished nanoemulsions. Visit www.sonomechanics.com for more information. Continue the conversation on Facebook, Twitter, LinkedIn, Instagram, and YouTube.