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608-238-6001 [TEL]

greg@infinityturbine.com [Email]



hydrodynamic-cavitation-pumps-for-sonification-pressurization-and-processing-from

Infinity Turbine
LLC

Hydrodynamic Cavitation Pumps
Sonification and Processing



This webpage QR code

Structured Data

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Company Name: Infinity Turbine LLC
 Product: Hydrodynamic Cavitation System
 Working Fluid: Refrigerants, water, and CO2
 Machine: Cavitation pump, extractor, and Spinning Disc Reactor
 Industry: Energy, Botanical Extraction, Pumping Applications: Oil Extraction, Pumps, Process intensification
 High Technology Uses: Making silver nanoparticles and graphene
 Machine Features: One moving part
 Other Technology: Tribo effect power, hydrodynamic cavitation hot water power and extraction. Modular block technology. Gas leverage turbine for production of fuels from liquid CO2.

PDF Version of the webpage (first pages)

<https://infinityturbine.com/hydrodynamic-cavitation-pumps-for-sonification-pressurization-and-processing-from-infinity-turbine.html>

Hydrodynamic Cavitation for Phase Change Liquids

Spinning discs in a phase change liquid (water, CO₂, etc.) can perform process intensification using hydrodynamic cavitation. An entire field of study called sonochemistry is dedicated to the phenomenon.

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High Speed Pump

Infinity has done extensive experimentation using spinning discs and applications which include:

- expanders
- pumps
- extractors
- static electricity generators

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