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cavitation

**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/cavitation.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.

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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