



surplus

1/14/2024

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Infinity Turbine  
LLC

Surplus Equipment for Sale by Infinity  
Turbine



This webpage QR code

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Surplus equipment for sale.

PDF Version of the webpage (first pages)

## Surplus High Pressure Vessel

Stainless Steel high pressure vessel.

Price: email for pricing

Shipping and Crate: Additional

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## Surplus Turbine Rotors

Various turbine expander rotors.

Price: email for pricing

Shipping and Crate: Additional

1/14/2024

## Surplus Turbine Assembly

Turbine assembly.

Price: email for pricing

Shipping and Crate: Additional

## Surplus Mini Turbine Housing Blocks

Assorted mini turbine blocks. Hexagonal design modular block with 10/32 threaded bores and pass through bores.

Price: email for pricing

Shipping and Crate: Additional

1/14/2024

## **Surplus Mini Turbine Housing Blocks Anodized Aluminum**

Assorted mini turbine blocks. Hexagonal design modular block with 10/32 threaded bores and pass through bores.

Price: email for pricing

Available: Bearing block and mid block.

Shipping and Crate: Additional

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## Surplus SDR Spinning Disc Reactor Testing Cart 110V

Used for experimenting hydrodynamic cavitation. Includes DC motor which can be RPM controlled, quick release modular blocks with various rotor types, view ports which allow sight into chamber as well as back lit for video purposes, heated vertical liquid filter unit, 110V powered to DC power converter. Build on laser cut acrylic with threaded 3/8 bores for quick attach components. Mounted on caster beam powder coated cart with heavy duty industrial 5 inch casters. Measures 24 x 48 x 60 inches. Fits through any standard size USA doorway, hallway, or elevator.

Please email or call for pricing.

Shipping: Additional

Infinity Supercritical SDR Spinning Disc Reactor Cavitation Extract Demonstrator.

Cart mounted with industrial powder coating caster beans with heavy duty 5 inch swivel casters (fits through any standard hallway, elevator, or doorway). Unit measures 24 x 48 x 56 inches.

Purpose: The SDR experimenters cart is designed to allow you to experiment with cavitation and sonochemistry in regards to extracting oil from plant flower.

Spinning Disc Reactor: The cart includes multiple SDR units to experiment with. It comes mounted with a modular block motor controlled shaft driven reactor.

How it Works: Plant material is mixed with distilled water and ground down to a consistency which allows it to be fluid through a 1/2 inch tube or hose. A motor controller will adjust the RPM of the shaft drive. A circulation pump allows the material to be continuous loop flow or one pass flow from a 5 gallon bucket. A vertical mounted heated stainless steel filter assembly allows you to experiment with heating the liquid flow. When started, the flower infused distilled water is circulated through the spinning discs, which cause cavitation to implode the water to create the pressure to break the plant cell to release the oil. Multiple sight ports are provided which allows you to see the cavitation in action. Typically you put a flashlight on one side which allows light to pass through to the other view port so you can see the process. The modular block construction with quick release 3/8 inch bolts allows you to quickly change the disc spacing and disc assembly pattern. Once the solution is passed through the SDR process, it can be collection into a bucket, or through a oil water separator. A batch fed centrifugal separator is included, which allows you to separate any fiber, water, and oil.

Uses: Extracting oil from hops to make beer is one application.

What is Included:

- 24 x 48 x 56 inch professionally powder coating caster beam cart with 5 inch swivel casters
- Aluminum structural horizontal supports
- Caster beams and support use standardized 3/8 inch bolts
- Laser cut and 3/8 threaded and bored clear acrylic work table top, bottom, and vertical surface, which allow quick attach points to hold components securely to frame
- Vertical mounted stainless steel heat banded filter vessel with input and exit ports
- PID
- Motor controller (110V to DC)
- Heat band controller
- DC motor drive

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## Surplus CO2 Supercritical Phase Change Developers Cart

Used for experimenting with supercritical CO2;

- extraction
- CO2 turbine
- treating Nafion with supercritical CO2
- SCO2 phase change
- recycling precious metals from E-waste
- recycling lithium batteries to recover valuable lithium, cadmium, and other precious metals
- organic rankine cycle
- tribogen dc static power experiments
- many other uses

Price: Call or email for pricing.

Shipping: Additional



## **Surplus Stainless Steel Swagelok Piping, Valves, Connectors, and Parts**

Huge array of new and used Swagelok parts for high pressure applications (many parts rated up to 2,000 psi).

Price: email for pricing

Shipping: Additional

## Surplus Motors

New. Large Washdown Stainless Steel TEFC motors. 3 HP 1800 RPM.

Price: email for pricing

Shipping: Additional

## Surplus 10 HP Motor

New. Large TEFC Stainless Steel Washdown motor.

Price: email for pricing

Shipping: Additional

## Surplus New Modular Blocks

HDPE 5 inch blocks.  
Aluminum 5 inch blocks.

Price: email for pricing

Shipping: Additional

## Surplus New Modular Block Rotors

Laser cut steel rotors for hydrodynamic cavitation.

Price: email for pricing

Shipping: Additional

## Surplus CO2 Heat Exchanger

2,000 psi rated CO2 heat exchanger.

Price: email for pricing

Shipping: Additional

## Surplus SDR Spinning Disc Reactor Experimental Assembly

Designed for water and hydrodynamic cavitation and process intensification.

Price: email for pricing

Shipping: Additional

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Designed for water and hydrodynamic cavitation and process intensification.

Price: email for pricing

Shipping: Additional



## Surplus SDR Spinning Disc Reactor Experimental Assembly

Designed for water and hydrodynamic cavitation and process intensification.

Price: email for pricing

Shipping: Additional

## **Surplus Cavitation Cylinder Experimental Assembly**

Designed for water and hydrodynamic cavitation and process intensification.

Price: \$150

Shipping: Additional

## Surplus SDR Spinning Disc Reactor Experimental Assembly

Designed for water and hydrodynamic cavitation and process intensification.

Price: email for pricing

Shipping: Additional

## **Surplus Miniature SDR Spinning Disc Reactor Experimental Assembly**

Designed for water and hydrodynamic cavitation and process intensification.

Price: email for pricing

Shipping: Additional

## **Surplus Miniature SDR Spinning Disc Reactor Experimental Assembly**

Designed for water and hydrodynamic cavitation and process intensification.

Price: email for pricing

Shipping: Additional

