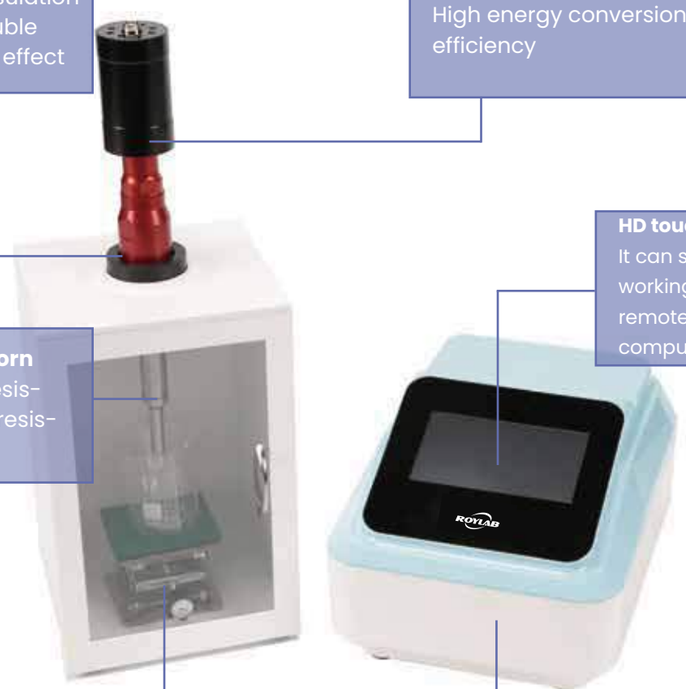
Ultrasonic Cell Disruptor, RLIFT-USCG-T Series

RLIFT-USCG-100T **RLIFT-USCG-200T** **RLIFT-USCG-350T**
RLIFT-USCG-750T **RLIFT-USCG-1000T** **RLIFT-USCG-1500T**
RLIFT-USCG-550T **RLIFT-USCG-2000T**

Soundproof box
Built-in sound insulation cotton, good double sound insulation effect

Transducer
High energy conversion efficiency



HD touch screen display
It can store 8 groups of working data and can be remotely controlled by computer.

Titanium alloy horn
Acid and alkali resistance, corrosion resistance

Lifting table
Knob lift, flexible and convenient

Built-in protection device
Protect the instrument from damage

Features

- Automatic resonance point and power control, without frequent manual energy adjustment
- 99-hour process control timer to control the total working time: from 1 second to 99 hours, suspend the current running task in real time.
- The working time is displayed in cumulative state, and the operation interface adopts 7-inch color touch screen.
- On / off pulse timer: on and off cycles can be set from 1 second to 99 hours.
- Automatic amplitude compensation: ensure that the probe amplitude does not change due to the change of load during the ultrasonic process.
- Overload protection: The device self-checks, and the timer is suspended.
- With 7-inch large screen touch control mode
  Integrated display of operation interface
- Reliable performance,simple operation
  Simple and beautiful appearance

RLIFT-USCG-100T RLIFT-USCG-200T
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RLIFT-USCG-550T RLIFT-USCG-750T
RLIFT-USCG-1000T RLIFT-USCG-1500T
RLIFT-USCG-2000T

Description

Ultrasonic processor is one of the commonly used equipment for sample pretreatment in the laboratory. It is widely used in nano industry, chemical industry, optics, jewelry, aerospace, hardware, automobile manufacturing and other fields. It is mainly applied to the extraction of traditional Chinese medicine, the fragmentation of cells, bacteria and virus tissues, and the acceleration of dissolution and chemical reactions, such as chemical synthesis

Specifications

Model	RLIFT-USCG-100T	RLIFT-USCG-200T	RLIFT-USCG-350T	RLIFT-USCG-550T	RLIFT-USCG-750T	RLIFT-USCG-1000T	RLIFT-USCG-1500T	RLIFT-USCG-2000T
Electricity	220V/50Hz 100W	220V/50Hz 200W	220V/50Hz 350W	220V/50Hz 550W	220V/50Hz 750W	220V/50Hz 1000W	220V/50Hz 1500W	220V/50Hz 2000W
Nominal frequency	20KHz							
Capacity	0.5-80ml	2-150ml	5-250ml	10ml-400ml	20ml-800ml	20ml-1200ml	50ml-2000ml	50ml-3000ml
Timer	1 second - 99 hours, 99 minutes, 59 seconds adjustable							
Data storage	Store 10 sets of operation data (can be switched arbitrarily)							
Power regulation	1%--100%, 1% progressive							
Operation mode	Pulse，Time，Continuous							
Liquid crystal display	Color touch screen，resolution：800*480							
Dimension	370*265*225							
Piezoelectric frequency conversion energy converter	CV33，PZT lead zirconate titanate piezoelectric ceramics							
	Diameter：44mm			Diameter：63mm			Diameter: 73mm	Diameter：63mm
	Length：152mm			Length：153 mm			Length: 163 mm	Length：153mm
Standard configuration amplifying bar	Head diameter (random amplifying bar)：			Head diameter (random amplifying bar)：			Head diameter (random amplifying bar)：	
	Φ3mm	Φ6mm	Φ8mm	Φ13mm	Φ16mm	Φ13mm	Φ20mm	Φ25mm
	Total length：128mm	Total length：120mm	Total length：129mm	Total length：134mm			Total length：132mm	

Horn selection table

Model	Nominal frequency	Diameter	Capacity	Optional horn size
RLIFT-USCG-100T	20KHz	Φ3mm	0.5-80ml	Φ2(0.2-10ml) Φ6(5-150ml)
RLIFT-USCG-200T	20KHz	Φ6mm	2-150ml	Φ2(0.2-10ml) Φ3(0.5-80ml) Φ8(5-200ml)
RLIFT-USCG-350T	20KHz	Φ8mm	5mL-250mL	Φ2(0.2-10ml) Φ3(0.5-80ml) Φ6(5-150ml) Φ10(10-400ml)
RLIFT-USCG-550T	20KHz	Φ13mm	10mL~400mL	Φ3(0.5-80ml) Φ6(5-150ml) Φ8(5-200ml) Φ10(10-400ml) Φ16(20-1500ml)
RLIFT-USCG-750T	20KHz	Φ16mm	20mL~800mL	Φ3(0.5-80ml) Φ6(5-150ml) Φ8(5-200ml) Φ10(10-400ml) Φ13(10-1200ml) Φ18(20-1800ml)
RLIFT-USCG-1000T	20KHz	Φ13mm	20mL~1200mL	Φ3(0.5-80ml) Φ6(5-150ml) Φ8(5-200ml) Φ10(10-400ml) Φ16(20-1500ml) Φ18(20-1800ml)
RLIFT-USCG-1500T	20KHz	Φ20mm	50mL~2000mL	Φ3(0.5-80ml) Φ6(5-150ml) Φ8(5-200ml) Φ10(10-400ml) Φ13(10-1200ml) Φ16(20-1500ml) Φ18(20-1800ml) Φ25(50-3000ml)
RLIFT-USCG-2000T	20KHz	Φ25mm	50mL-3000mL	Φ3(0.5-80ml) Φ6(5-150ml) Φ8(5-200ml) Φ10(10-400ml) Φ13(10-1200ml) Φ16(20-1500ml) Φ18(20-1800ml) Φ20(50-2000ml) Φ30(50-3500ml)