



ULTRASONIC CLEANER BJR1K1

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INDUSTRIAL ULTRASONIC EXTRACTION SYSTEM

Ultrasonic extractor and disruptor is a powerful and multifunctional ultrasonic equipment. It uses the principle of ultrasonic energy concentration to produce high intensity and cavitation effect in liquid, which is suitable for the disruption of various cells and viruses, as well as emulsification, separation, extraction and other operations. It is widely used in the fields of life science, traditional medicine and other fields, such as crushing and protein extraction of bacteria and viruses and spores, as well as the extraction and extraction of traditional medicinal materials. In addition, it is also suitable for many fields such as geology, physics, archaeology, chemical industry and medical treatment to achieve the dispersion, emulsification, homogenization and accelerated reaction of samples, providing convenience for scientific research work.



Rapid extraction
Widely used
Simple operation
Low cost

1. Intelligent automatic frequency tracking ultrasonic generator, real-time frequency tracking, to ensure that the ultrasonic wave is in the best effect range;
2. 20KHz 2600W high-power transducer, low impedance, high conversion efficiency, strong amplitude;
3. Titanium alloy extraction application tool head has high conversion efficiency and long service life;
4. PLC or RS485 control function, with error output port;
5. Abnormal protection of frequency, power, transducer current, etc.

SPECIFICATIONS

Model	BJR1K1
Working frequency (Khz)	27.80±0.8
Ultrasonic Power (W)	1000
Working Voltage (V)	220±10%
Working Diameter (mm)	20
Alt Name	Industrial ultrasonic extraction system

FEATURES

Rapid extraction



Widely used



Simple operation



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5. Abnormal protection of frequency, power, transducer current, etc.
6. Titanium alloy tool heads are used for laboratory sample extraction and crushing, with high.

APPLICATIONS

Fragmentation of cells, bacteria, viruses and other cellular structures;

Homogeneous soil and rock samples;

Preparation of DNA fragmentation in high-throughput sequencing and chromatin immunoprecipitation.

Study the structural and physical characteristics of rocks;

Dispersion of pharmaceutical substances for injection;

Ultrasound to homogenize beverages;

Dispersion and extraction of Chinese herbal medicine;

Cracking, emulsification, homogenization and crushing of particulate matter such as carbon nanotubes and rare earth materials;

Speed up the dissolution and speed up the chemical reaction, for example for the processing of oils and fats.



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