



自动追频
Automatic
frequency tracking



操作简单
Simple operation



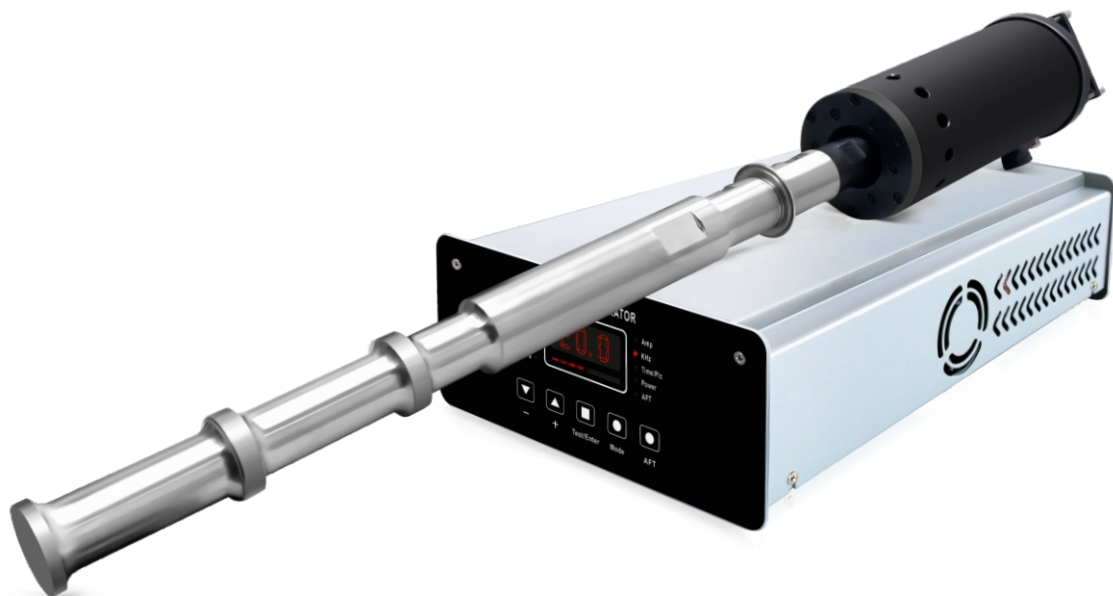
大功率
High-power



控制功能
Control function

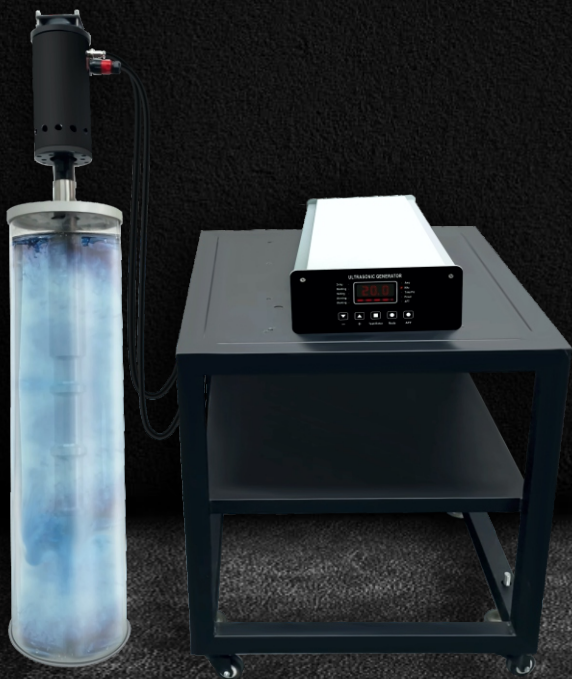


异常保护
Abnormal protection



- » 智能自动追频超声波发生器，实时频率追踪，保证超声波在最佳效果范围内；
- » 20KHz 2600W大功率换能器，阻抗低，转换效率高，振幅强；
- » 钛合金萃取应用工具头转换效率高，使用寿命长；
- » PLC或RS485控制功能，带错误输出端口；
- » 频率、功率、换能器电流等异常保护。

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



» CQ20超声波萃取系统是一款针对于萃取设备配套的超声波产品。智能自动追频超声波发生器、高Q值大功率换能器、钛合金萃取工具头组成的超声波核心配件应用于萃取、匀化、搅拌、乳化等方面都有良好的表现。系统自动追频、功率可调、振幅可调、异常报警等功能。配备RS485通讯可以通过HMI更改和观察各项参数。

» CQ20 Ultrasonic Extraction System is an ultrasonic product for the matching of extraction equipment. The ultrasonic core accessories composed of intelligent automatic frequency tracking ultrasonic generator, high-Q high-power transducer, and titanium alloy extraction tool head have good performance in extraction, homogenization, stirring, emulsification and other aspects. The system has functions such as automatic frequency tracking, adjustable power, adjustable amplitude, and abnormal alarm. Equipped with RS485 communication, various parameters can be changed and observed through HMI.

型号 Model number	工作频率 Working frequency	超声波功率 Ultrasonic power	工作电压 Operating Voltage	工作直径 Working diameter
CQ20-D50H490	19.90±0.8KHz	2600W	220V±10%	50mm

常见的超声波萃取技术应用领域:

- 生物科技、化学科技、医药科技、食品科技、环境科技
- 细胞, 细菌, 病毒, 孢子及其他细胞结构的破碎;
 - 均质土壤、岩石样品;
 - 高通量测序及染色质免疫沉淀中DNA片段化的制备;
 - 研究岩石的结构特征及物理学特征;
 - 注射用医药物质的分散;
 - 超声波对饮料的均质;
 - 中草药的分散、萃取;
 - 对酒的醇化—催陈技术;
 - 碳纳米管、稀土材料等颗粒物的裂解、乳化、均质及破碎;
 - 加速溶解, 加速化学反应, 例如用于油脂的加工。

Application areas:

- Biotechnology, chemical technology, pharmaceutical technology, food technology, environmental technology.
- Fragmentation of cells, bacteria, viruses, spores 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.
 - Alcoholization of wine-aging technology.
 - 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.

应用场景图片 (可定制)

Application Scenario Example(customizable)

