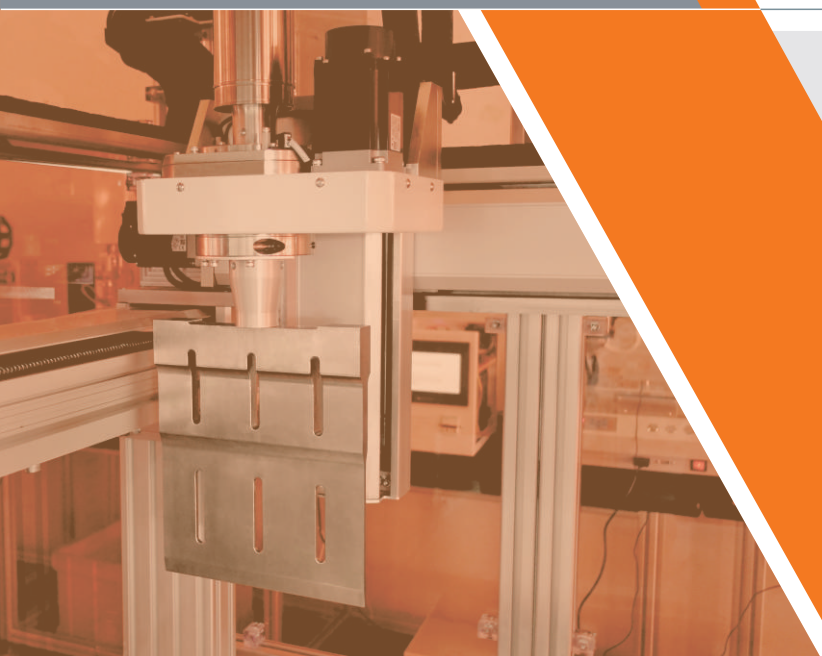


ULTRASONIC

Professional Manufacturer of Power
Ultrasonic Equipment

功率超声设备专业制造者



杭州嘉振超声波科技有限公司
Hangzhou Jiazhen Ultrasonic Technology Co.,Ltd.



功率超声设备专业制造者

Professional Manufacturer of Power
Ultrasonic Equipment

公司简介

COMPANY INTRODUCTION

杭州嘉振超声波科技有限公司是一家以研发、生产和销售大功率超声波核心部件及成套应用设备的专业厂商，是浙江省中小型科技企业。注册商标为“杭超”，HC SONIC，下辖专业电源制造企业杭州晋元超声波科技有限公司、专业进出口企业杭州嘉振进出口有限公司。

杭州嘉振超声波科技有限公司以“成为功率超声设备专业制造者”为发展愿景，秉承“以客户需求为中心，以设备品质为核心”的理念，坚持走自主研发创新的道路，公司已获得多项发明及实用新型专利，并不断推出国内外领先的大功率超声波技术产品，已为清华大学、空军工程大学、中国航发、舜宇集团等各类企业和科研单位提供超声波应用方面完整的解决方案。

Hangzhou Jiazhen Ultrasonic Technology Co., Ltd. is a medium-sized technology enterprise in Zhejiang Province. It is a professional manufacturer of high-power ultrasonic core components and complete ultrasonic machine. The registered trademark is "HC-SONIC". We have a series of sub company for import&export and manufacturing. HC-SONIC take "becoming a professional manufacturer of power ultrasonic equipment" as its development vision, adhering to the concept of "customer demand as the center, equipment quality as the core", and insisting on the road of independent R&D and innovation. The company has obtained a number of patents for inventions and practical new models, and has continuously introduced domestic and foreign leaders. Our high-power ultrasonic technology products have provided complete solutions to the application of ultrasound for enterprises and research institutes such like Tsinghua University, Air Force Engineering University, China Aerospace, Shunyu Group, etc.

多功能超声波疲劳试验系统

Multifunctional Ultrasonic Fatigue Test System

以 10^9 疲劳试验为例
Take 10^9 fatigue test as an example

- 20Hz伺服液压疲劳试验需要 1.5 年
The 20Hz servo hydraulic fatigue test takes 1.5 years
- 50Hz旋转弯曲试验机需要 231 天
The 50Hz rotary bending machine takes 231 days
- 300Hz高频振动台需要 38.5 天
The 300Hz high frequency vibrator takes 38.5 days
- 20KHz超声疲劳实验仅需 13.8 小时
The 20KHz ultrasonic fatigue test takes 13.8 hours only



超声超高周疲劳试验技术是解决航空发动机叶片结构等超长疲劳寿命研究的**唯一可行方法**

High Cycle Fatigue Strength Ultrasonic Testing technology is the only feasible method to solve the research of aero-engine blade structure and other fatigue and long using life material



产品介绍 Product introduction

杭州嘉振超声波科技有限公司 (HCSonic) 是一家专业开发生产大功率超声波核心部件及成套应用设备的高新企业, 研发的HC-DF2030GD-3型多功能超声疲劳试验系统可用于金属材料和复合材料的拉压或弯曲疲劳试验, 填补了国内空白, 综合性能优于同类进口产品, 已经用于多家航空航天单位超高周疲劳试验。

超声超高周疲劳试验是利用压电晶体的压电效应完成电能和机械能的转换, 并驱动试样谐振, 其中包含高频激励点信号的发生及控制、电-力转换和机械能的聚焦放大三个过程。本公司研制的第三代超声超高周疲劳试验机具有工作频率范围宽、输出幅值大、控制精度高的特点。



Hangzhou Jiazhen Ultrasonic Technology Co., Ltd.(HCSonic) is a professional company which developing and producing high-power ultrasonic core parts and application equipment, The research of HC - DF2030GD - 3 type multi- functional ultrasonic fatigue test system can be used in metal materials and composite materials and compressive or bending fatigue test, to fill the domestic blank, comprehensive performance is better than that of similar imported products, has been used in various aerospace unit high cycle fatigue test. We are the only supplier of high Cycle Fatigue Strength Ultrasonic Testing equipment in China.

High Cycle Fatigue Strength Ultrasonic Testing used the piezoelectric effect of piezoelectric crystal to complete the conversion of electrical energy and mechanical energy, and drive the resonance of the sample, which includes the generation and control of high-frequency excitation point signal, electric-force conversion and focusing amplification of mechanical energy. The third Version High Cycle Fatigue Strength Ultrasonic Testing machine developed by the company with the characteristics of wide working frequency range, large output amplitude and high control accuracy.

技术参数

Technical parameters

型号 Model	HC-DF2030GD-3	功率范围 Power range	100-3000W
加载频率 Loading frequency	20KHZ \pm 1.5KHZ	工作温度 Working temperature	-30°C~800°C
工作振幅 Working amplitude	15~120 μ m	数据查看方式 Data checking method	本地/远程, 双通道 Local/remote, dual-channel

可开展变应力比轴向拉压疲劳试验、三点弯曲疲劳试验和振动疲劳试验。
Variable stress ratio axial tension-compression fatigue test, three-point bending fatigue test and vibration fatigue test can be carried out.

杭州·嘉振超声波科技有限公司

Hangzhou Jiazhen Ultrasonic Technology Co.,Ltd.



地址：浙江省杭州市富阳区高科路198号创业楼9楼

Address : 9th Floor, Venture Building, No. 198, Gaoke Road

Fuyang District, Hangzhou, Zhejiang Province, China

E-mail : hc@made-in-hc.com

Tel : +86-571-87197372

www.made-in-hc.com

www.ultrasonic-weldingequipment.com