



睿辉声学（深圳）科技有限公司
VoiceX Acoustics (Shenzhen) Ltd.



为您提供专业的消声室建设服务

Provide you with professional acoustics anechoic chamber construction services

关于睿辉声学 About Voice X

睿辉声学（深圳）科技有限公司是一家专门从事声学实验室设计和工业噪声治理的创新型公司，致力于设计和建造功能较全的具有世界一流、国内领先水平的声学实验室。主要为汽车行业、电子通讯行业、电器制造行业、印刷业、电厂、大型机械加工设备提供测试消声室、半消声室以及为各类生产车间等设计和建造隔音房、隔声罩、隔音箱、消声室、隔音门、隔音窗等隔声和消声产品。

声学实验室/ Acoustical Laboratory

平板半消声室，全消声室是我们的核心产品之一，消声室采用的是穿孔式平面吸声结构，改善了尖劈结构的占用空间大、易落灰、不环保等缺点，采用的新型复合吸声材料做成的环保吸声体，吸声系数可达到0.99，极大的提高了消声效果，对波长较长的低频声音也有较好的吸收效果。且新复合填充材料无任何污染，保障了实验室内的健康环境。

The flat semi-anechoic chamber, complete anechoic chamber is one of our core products. Anechoic chamber is the perforation type plane sound absorption structure, improve the defect of the wedge structure is big, easy to dust, no disadvantages such as environmental protection, using a new type of composite sound-absorbing material made of environmentally friendly sound-absorbing cotton, absorption coefficient can reach to 0.99, greatly improve the effect of the dead, for low frequency sound with long wavelength has good absorption effect. Moreover, the new material did not have any pollution, which ensured the healthy environment in the laboratory.



工业噪声治理/ Industrial Noise Control



睿辉声学的工程技术骨干从事该行业多年，具有丰富的声学工程经验，专注于声学领域研究10年我们的产品系列不断优化，针对不同频率的噪声处理，拥有自主研发的产品系列。

All VoiceX engineers have been engaged in this industry for many years, with rich experience in acoustic engineering, and focus on acoustic research for 10 years. Our product series are constantly optimized, and we have independently developed product series for noise processing of different frequencies.



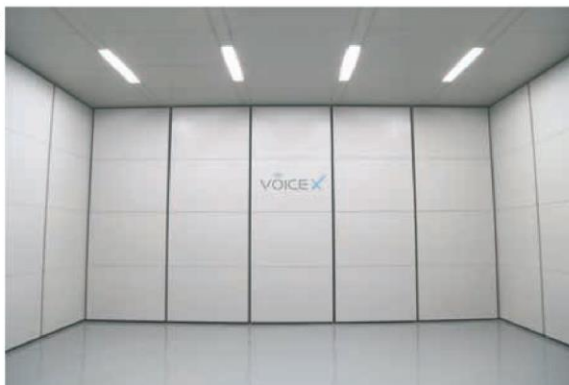
核心技术

CoreTechnology

消声室结构/ Anechoic Chamber Structure

我们的消声室采用了先进的平板式共振吸声结构。在平板上科学计算孔的直径，孔的分布律以及材料厚度与热传导性能，使其对空气振动产生极大的摩擦阻尼。大平板的设计不仅节省了占用的空间体积，同时减少了模块数量，降低拼装难度，使得拼装周期可降低至一周。

Our anechoic chamber uses an advanced flat resonant sound absorption structure. The diameter of the hole, the distribution law of the hole, the thickness of the material and the heat conduction property were calculated scientifically on the plate, which made it produce great friction damping to air vibration. The large flat plate design not only saves the occupied space volume, but also reduces the number of modules, reduces the difficulty of assembly, and reduces the assembly time to one week.



吸声体材料/ Sound Absorbing Material

我们的平板吸声体，填充物采用密度渐变的新型环保多孔性纤维体吸声材料，具有精细的丝米级结构。这些空腔内可有相当大的空气质量与材料一起振动，从而消除声音能量。



与玻璃纤维相比，新型纤维材料使用更方便，更易做外观处理，无甲醛异味，且防火阻燃，满足B1级的防火要求。填充的纤维材料中装有由复合共振板，薄板和阻尼层结合，具有很宽的吸声频带。

Our flat acoustic absorber is made of a new type of environmentally-friendly porous fibrous material with density gradient. These cavities have considerable air mass that vibrates with the material, thus eliminating sound energy. Compared with glass fiber, the new type of fiber material is more convenient to use and easier to handle

appearance, free of formaldehyde, and meeting the fire protection requirements of class B1. The filled fiber material is provided with a composite resonant plate. The thin plate is combined with a damping layer and has a very wide acoustic absorbing band.

全消声室/Anechoic Chamber

睿辉声学设计和生产的消声室，满足IEC、ISO的相关标准，及3GPP，Vodafone等音频测试标准，可以承担公司开发各类终端整机及部品等相关部件的电声基本测试及试验研究的高级测试要求，服务于产品开发及科研、认证等，主要进行移动终端整机及各主要产生声源部件的声学性能评价、分析、诊断、改进试验。



睿辉声学消声室满足的相关标准：

- ISO 3745-2012 《Acoustics–Determination of Sound Power Level in Anechoic and Semi-Anechoic Chamber》
- GB6882–2016 《噪声源声功率级的测定消声室和半消声室精密法》
- JJF1147-2006 《消声室和半消声室声学特性校准规范》
- GB50800-2012 《消声室和半消声室技术规范》

VoiceX productions of the anechoic chamber, meet the IEC, ISO standards, and 3GPP, Vodafone and other audio testing standards, can assume the company to develop a variety of audio products and call terminal needs, to serve product development, scientific research, certification, etc., mainly carry out the acoustic performance evaluation, analysis, diagnosis and improved testing of the whole mobile terminal machine and all major sound source components.

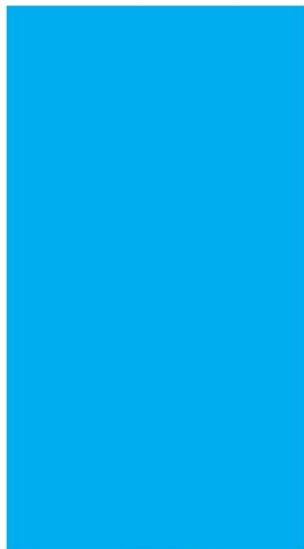


Relevant standards of the anechoic chamber：

- ISO 3745-2012 《Acoustics–Determination of Sound Power Level in Anechoic and Semi-Anechoic Chamber》
- GB6882–2016 《Accurate method for determination of sound power level of noise source in anechoic chamber and semi-anechoic chamber》
- JJF1147-2006 《Calibration specifications for acoustic characteristics of anechoic and semi-anechoic Chambers》
- GB50800-2012 《Technical specifications for anechoic and semi-anechoic Chambers》

半消声室/Semi-anechoic Chamber

半消声室是以地面面为反射面的消声室，用以模拟半自由场空间。半消声室满足ISO噪声测试标准，可应用于大场地的声学噪声测量，如大型家电的噪声分析测量，无人机的空间噪声分布测量等。半消声室还可为车载测试提供良好的测试环境，如汽车NVH测试，车载语音测试等。



The semi-anechoic chamber is a sound anechoic chamber on the reflected ground surface, which is used to simulate the semi-free field space. The semi-anechoic chamber meets ISO noise testing standards and can be applied to acoustic noise measurement in large areas, such as noise analysis measurement of large household appliances and spatial noise distribution measurement of UAV. The semi-anechoic chamber can also provide a good test environment for vehicle testing, such as the vehicle NVH test and vehicle voice test.

尖劈消声室/Wedge Structure Anechoic Chamber

睿辉声学有成熟的尖劈消声室的建造技术。消声室的尖劈结构，您可选择如金属龙骨+布结构、金属穿孔网结构等。尖劈内部的填充物，也有多种纤维材料可供选择。针对您的不同需求和预算，睿辉声学可提供多种配套方案，满足您的需求。



VoiceX has mature construction technology of wedge structure anechoic chamber and a variety of materials are available. The wedge structure of anechoic chamber, you can choose such as metal keel + cloth structure, metal perforated mesh structure and so on. There are also a variety of fiber materials to choose for filler. For your different demands and budgets, VoiceX can provide a variety of supporting schemes to meet your needs.

听音室/ Audition Room

听音室用于营造更好的听音环境，让听音人员能对音频设备做出更准确的测评。睿辉声学有丰富的听音室设计和建造经验，有成熟的听音室声场仿真和均衡方法，可按照客户对听音室声场分布和混响时间的要求，设计和建造高规格的听音室。

Audition room is used to create a better listening environment, allowing listeners to make more accurate assessments of audio equipment. VoiceX has rich experience in the design and construction of audition rooms. We have mature listening room sound field simulation and equalization method, have the ability to design and build high-standard audition rooms according to the customer's requirements for the sound field distribution and reverberation time of the audition room.



衍生产品/ Derivative Products

隔声门/ sound proof door



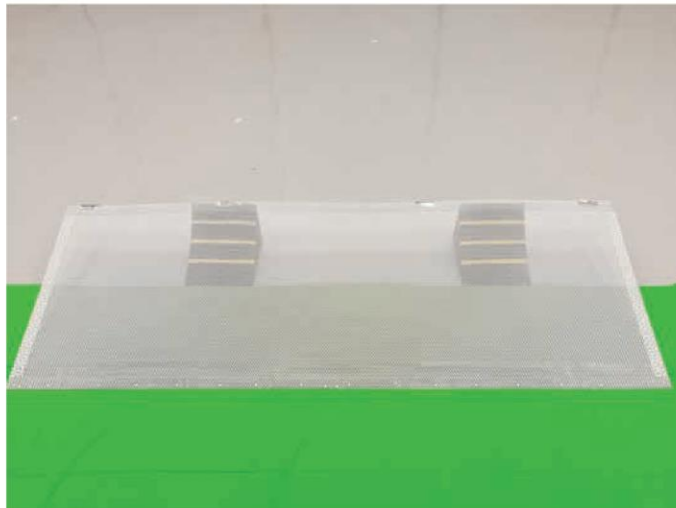
隔声窗/ acoustic isolation window



复合吸声材料/ Composite sound insulation material



隔声体/ acoustic isolate





睿辉声学（深圳）科技有限公司

公司地址：中国深圳市龙华区龙环三路329号金禾田商务中心B103

联系电话：0755-21058684

电子邮箱：business@voicetech.com

网址：www.vxacoustics.com

邮政编码：518000



VoiceX Acoustics (Shenzhen)Ltd.

Site Location: B103, Jinhetian Business Center, No.329, Longhuan
Third Road, Longhua District, Shenzhen, China

Tel: 0086-755-21058684

Email: business@voicetech.com

Web: www.vxacoustics.com

Postcode: 518000

