

Single-Layer Fiberglass-Wound Piezoelectric Ceramic Spherical Transducer

Piezoelectric Ceramic Devices



Product Description

Zibo Yuhai Electronic Ceramic Co., Ltd.

Opening a New Era of Piezoelectric Ceramics · Embarking on a New Industrial Journey

Zibo Yuhai Electronic Ceramic Co., Ltd. is located at No. 57 Chuangye Avenue, Boshan Development Zone, Zibo City. Founded in 1966, it was restructured from the state-owned Zibo Radio Ceramic Components Factory into Zibo Yuhai Electronic Ceramic Co., Ltd. in November 2001. The company is a professional manufacturer of piezoelectric ceramic elements, a founding member of the China Electronic Components Industry Association, and a council unit of the Shandong Advanced Ceramics Innovation and Entrepreneurship Community.

The company's leading products are piezoelectric ceramic components and sensors, with an annual production capacity of 3.5 million pieces. Built on 60 years of accumulated proprietary expertise in piezoelectric ceramics, the company holds more than 30 functional material formulations and a product system of over a thousand varieties that meets users' differentiated needs, holding a technologically leading position in China's piezoelectric ceramics field. Every year it provides quality products and services to more than 400 enterprises across dozens of industries — underwater acoustics, electroacoustics, ultrasonics, metrology, communications, detection, automatic control, medical care, ignition and detonation, and more. Some products are exported abroad.

The company has established a municipal-level Engineering Laboratory for Piezoelectric Ceramics and Devices and a municipal-level "One Enterprise, One Technology" R&D Center. Its independently developed "Research on Cobalt-Aluminum Co-Doped Barium Titanate Piezoelectric Ceramics" and "Research on High-Curie-Temperature, High-Stability Lead Antimony Niobium Zirconate Titanate Piezoelectric Ceramics" passed Zibo municipal scientific achievement appraisal, filling domestic gaps and reaching internationally advanced levels; the related projects have successively won the third prize of Zibo Science and Technology Progress Award, the third prize of Zibo Technical Invention Award, and the first prize of Shandong Technical Invention Award. The "Zibo Brand" piezoelectric crystals were awarded "Well-Known Brand in China's Electronic Industry" by the China Electronic Quality Management Association.

The company participated in formulating two ministerial standards — "General Technical Specifications for Piezoelectric Ceramic Materials for Underwater Acoustics" CB1125-1128-86 and "Common Piezoelectric Ceramic Elements for Underwater Acoustics" CB1218-93 — and led the formulation of the group standard "Spherical Piezoelectric Ceramic Transducers". Since 2020, it has participated in formulating a number of group standards, including "Generic Specification for Stacked Piezoelectric Ceramic Actuators", "Lead-Free Piezoelectric Ceramic Atomizing Elements", "Lead-Free Piezoelectric Ceramic Electroacoustic Elements", "Dielectric Properties of Microwave Dielectric Ceramic Powders", "High-Temperature Piezoelectric Acceleration Sensors", and "Piezoelectric Ultrasonic Sensors for Intelligent Cleaning Robots".

The company has passed ISO9001 and IATF16949 quality management system certifications, and has obtained 7 invention patents and 9 utility model patents. It was recognized as a National High-Tech Enterprise in 2016, a Shandong "Specialized, Refined, Distinctive and Innovative" enterprise in 2019, and a Shandong Gazelle Enterprise in 2021, and received the Shandong Manufacturing "Lu Chain Premium Product" certification in 2025.