

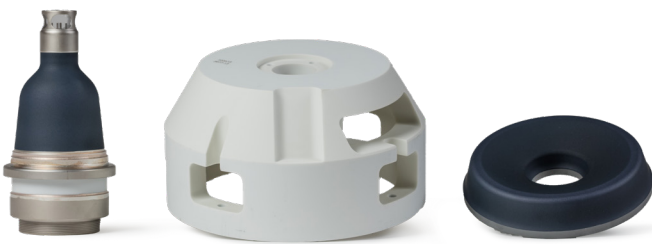
High Performance Technical Ceramics for Medical Equipment

CoorsTek is a global manufacturer of technical ceramic components for medical equipment. Founded in 1910, the company has been at the forefront of developing technical ceramics for numerous industries. Today, CoorsTek leads the advanced materials industry with over 400 unique proprietary material formulations, unparalleled research and engineering expertise, and a vast array of manufacturing processes.

As a vertically integrated manufacturer, CoorsTek guarantees consistent quality and performance of our technical ceramic components. Starting with the production of raw materials all the way through finishing, testing, and inspection of finished components, CoorsTek has the finest control over the manufacturing process.

CoorsTek produces state-of-the-art components for numerous medical equipment applications:

- Electrosurgical Components
- X-Ray Tubes and Medical Imaging Components
- Pump and Valve Components
- Precision Metering Components
- Ventilator Components
- Custom Components



Enhanced Performance with CeraPure™ High-Purity Medical Ceramics

Due to their uniquely customizable material properties, technical ceramic materials are ideal for producing components designed for medical devices. CoorsTek CeraPure™ high-purity ceramics are designed to work well in numerous medical applications requiring high-strength, resistance to thermal shock, biocompatibility, high-temperature electrical resistivity, and superior chemical resistance.

Electrosurgical Devices

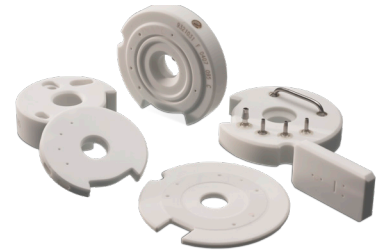
Bioinert technical ceramic components enhance the performance of electrosurgical devices for ablation, cauterizing, endoscopy, arthroscopy, and laparoscopy. CoorsTek offers numerous process capabilities to optimize manufacturing of minimally invasive device components, such as ceramic micro-injection molding, sub-assembly, and micro-machining.

Electromechanical Devices

In electromechanical devices such as x-ray tubes and other medical imaging applications, advanced ceramic materials offer robust dielectric strength and electrical resistivity for high-power demands. Other benefits include light weight, high-stiffness, and MRI transparency. As a vertically integrated manufacturer, CoorsTek offers in-house metallization, brazing, and metal-to-ceramic joining for electromechanical device components.

Fluid Management

Technical ceramics can offer numerous benefits for fluid management applications. Ceramic pump and valve components for dialysis, rotary pumps, and fluid metering are wear-resistant, thermally stable, and non-porous. With precision manufacturing capabilities, CoorsTek can produce low-friction, seal-less designs with high accuracy and precision clearances from 1.9 to 3.2 μm .



Contact CoorsTek today to discuss your medical device component needs.

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