

*ceramic **implantable**
components*





ceramic implantable components

uniquely dedicated to our niche

Developed specifically for the manufacture of premium ceramic implantable components, C5 Medical Werks is unique in the marketplace. Our dedicated teams oversee every aspect of project support, prototyping, and manufacturing processes to ensure every component is built to the highest standards.

quality

Paramount to our business, we emphasize repeatable, consistent, and traceable component manufacturing and employ a comprehensive quality system to monitor every step. Our certification to medical manufacturing standard ISO-13485 exemplifies our commitment to first-rate quality components.

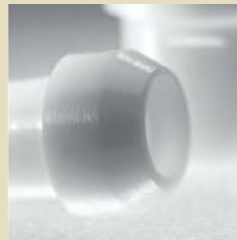
expertise

Drawing from nearly 100 years of technical ceramic manufacturing, we thoroughly understand all of the challenges and benefits of advanced material components. Call upon our experts for your next project.

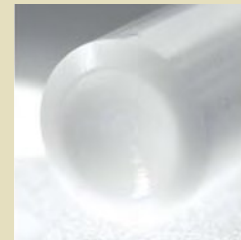
Call [+1.877.C5WERKS \(259.3757\)](tel:+1877C5WERKS) for more information



hips



dental



spinal



custom

capabilities

We offer a wide range of nimble and responsive manufacturing capabilities to ensure high-quality, premium ceramic components. Our state-of-the-art facility was built from the ground up with the latest technology and best-practice processes.

ceramic forming

- isostatic pressing
- dry pressing
- extrusion
- injection molding
- green forming
- CNC milling
- CNC turning

specialty firing

- gas and electric kilns
- hot isostatic pressing

finishing

- spherical grinding
- spherical polishing
- 5-axis CNC grinding
- ID/OD/surface grinding

inspection

- CMM (optical & probe)
- profilometer
- roundness
- cylindricity

materials

We help you select the best ceramic material for your specific application's requirements to ensure optimal performance and cost effectiveness. All of our materials are biocompatible, high-purity ceramics. We offer:

- implant-grade alumina and zirconia
- alumina/zirconia composite (YZTA)
- complete characterization capabilities
- material certification
- custom material development

products

Extremely durable and long-lasting, our biocompatible ceramic components work in a variety of applications including:

- ceramic hip replacement components
- ceramic spinal components
- ceramic dental components
- other custom implantable ceramic components

