

## C5 Medical Werks Launches *cerasurf*<sup>TM</sup> High Strength Ceramic Material for Orthopaedic Applications.

*Alumina matrix composite material is now available for next generation orthopaedic devices.*

December 21, 2010 – Denver, Colorado – C5 Medical Werks, a manufacturer of advanced ceramic components for the medical device industry has developed and launched a new high strength biocompatible ceramic material for use in femoral head and acetabular cup devices in addition to femoral knee devices. *cerasurf*<sup>TM</sup> is a breakthrough material, in that it delivers high strength and high fracture resistance in combination with low wear characteristics, making it an ideal choice for ceramic total hip replacement systems and also next generation knee and femoral resurfacing devices.

“*cerasurf*<sup>TM</sup> is an alumina matrix composite ceramic material developed and produced in house using proprietary technology” explains Dr. Steve Hughes, Orthopaedic Product Manager at C5 Medical Werks. “In industry standard femoral head burst tests, we are typically seeing values of greater than two times when compared to the FDA guidance figures. For the patient, this greatly reduces the risk of failure in-vivo without compromising biological and tribological performance.”

In addition to providing benefits on existing designs of femoral head and acetabular liner products *cerasurf*<sup>TM</sup> is also being used as the material of choice for use for next generation ceramic orthopedic implants. “The inherent high strength and fracture toughness of *cerasurf*<sup>TM</sup> allows for greater design flexibility to explore new concepts for knee and femoral resurfacing surgeries using ceramic that provides better solutions for patients” added Dr. Hughes.

For more information on *cerasurf*<sup>TM</sup> please visit our website at [www.c5medicalwerks.com](http://www.c5medicalwerks.com)

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### About C5 Medical Werks

C5 Medical Werks is a leading provider of ceramic solutions for the medical device industry. The company manufactures medical grade components with an emphasis on ceramic materials. Based in the United States, the company operates an FDA registered, state-of-the-art facility with a single, comprehensive quality system certified to ISO 13485:2003, compliant with FDA's Quality System Regulation (21 CFR 820) and meeting all other applicable governmental requirements. Product lines include ceramic implantable components to be used in hip, knee, spine and dental applications, as well as other custom implant components. C5 Medical Werks excels at manufacturing premium implantable components that help people live better lives.

C5 Medical Werks is located at 2451 Riverside Parkway, Grand Junction, CO 81505.

For more information, please visit [www.c5medicalwerks.com](http://www.c5medicalwerks.com) or call (877) 259-3757.

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