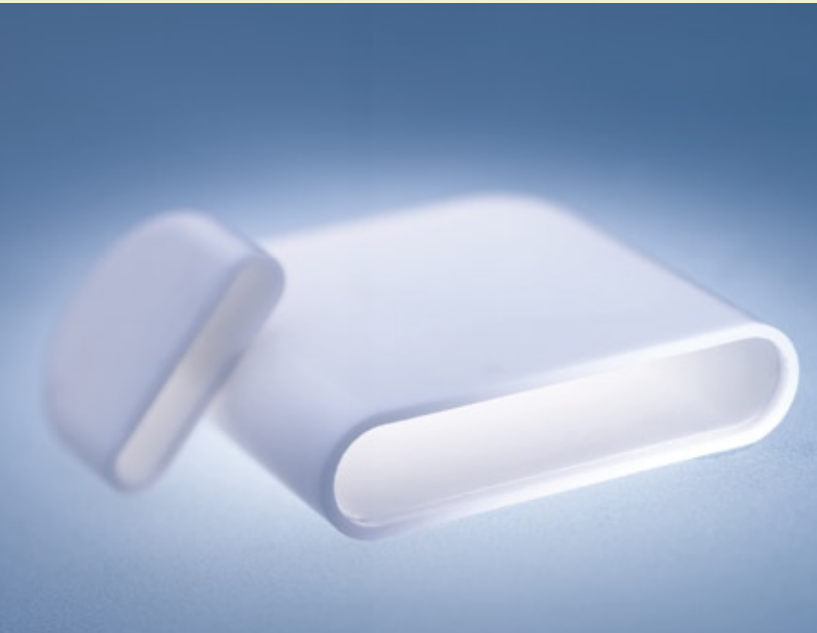


*ceramic injection molded
(CIM) components*





Ceramic Injection Molded (CIM) Components

CIM uniquely combines the advanced properties of ceramic materials with the manufacturability of plastics processing. CIM allows for intricate shapes and minute features to be manufactured that cannot be produced using standard ceramic processing methods and equipment.

As a “medical only” facility C5 Medical Werks is uniquely positioned with advanced equipment and best-in-class quality systems to provide the ceramic component for the next generation of medical devices. Our material scientists and engineers are constantly developing advanced materials and processes that will enable medical device manufacturers to solve more complex problems in increasingly challenging applications.

Contact our CIM experts today for more information about how our capabilities can drive your design solution.

Medical Applications:

- Electro-implantable
- Neuro sensor/stimulator
- Orthopaedic
- Dental
- Electro-surgical

Advantages of CIM

- Intricate geometry
- Miniature features
- Economic solution
- High volume
- High repeatability
- Miniature components

Advantages of Ceramic:

- Low friction/low wear
- Reduced particle count and size
- High stiffness
- Biologically inert composition
- Chemical resistance
- Low thermal conductivity
- High operating temperature
- Radio opaque
- Electrically insulating

Advantages of C5 Medical Werks:

- Customer focused business model
- Rapid response
- Technical support
- ISO 13485 certified
- FDA registered facility
- World class manufacturing
- High-tech inspection and test capabilities
- Research and development for next generation materials and processes

CIM Component Materials

C5 Medical Werks has a range of ceramic injection molding materials that can be used to improve the performance of your medical device. We can work with you to select from our range of standard implant grade materials:

- High Purity Alumina
- Zirconia (YTZP)
- Zirconia Toughened Alumina (ZTA)
- Alumina Toughened Zirconia (ATZ)

In addition to our standard formulations, we have material scientists available to work with you on custom ceramic formulations.

