

Metoxit: We take pride in being the first when it comes to high-tech ceramic products!

Watch housing made in zirconia

We take pride in being the first to offer complex high-quality parts made in ceramics. For example in 1985, when we were the first company to produce a housing in black zirconium oxide for the watch industry. The world-renowned watch maker IWC based in Schaffhausen, Switzerland, asked us to produce a black ceramic case for its Da Vinci chronographs, complementing the gold models of the series. The result was the striking "black Da Vinci" which caused quite a stir in the media and among watch collectors. The scratch-resistant and impact-proof watch in an elegant ceramic finish was born! Metoxit AG has since continued to develop innovative products for use in luxury watches.

HIP-compacted ceramics for orthopaedic applications

There are many other fields where we were among the first companies to offer viable solutions. We were for example the first manufacturer of artificial hip joints made in zirconia with an FDA master file. We were also ahead of the competition when it came to HIP processing of aluminum oxide ceramics. With this technology, we were able to produce a material of a previously unachievable density, greatly improving the wear resistance of orthopaedic ceramic implants.

Dental implants made in Ziraldent® ceramics with porous zirconium oxide coating

Over the last few years, we have continuously developed new ceramic products for innovative applications. One of our latest "firsts" is a dental implant made in a ceramic material of the highest known strength known as Ziraldent® with a bending strength of 2,000 MPa. One key advantage of this implant is its patented coating Zirapore®, which allows for fast embedding of the implant in the bone, thus minimizing the need for temporary dental prosthetics. Metoxit dental implants of this type are made from ceramics that are fully biocompatible and chemically inert. They completely eliminate the risk of implant rejection, which is a common occurrence with metal prosthetics.

Would you like to know more about our ceramics? Who knows – together we might achieve another "first" in the industry!

Metoxit AG

high-tech ceramics

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Company profile

The company's core business are dental products like root posts, Ziraldent® implants, abutments, CAD/CAM blanks and instruments as well as BIO-HIP® ceramic ball heads and inserts for orthopaedics in cooperation with SWIP AG (page 374).

Quality management

Certifications and product registrations:
ISO 9001:2008,
ISO 13485:2003 for medical products incl. CMDR,
FDA 510K and Appendix II of Directive 93/42/EWG

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