

VITRON

your material specialist

materials and components for infrared optics machinable glass for engineering and medicine



www.vitron.de

The VITRON Spezialwerkstoffe GmbH was founded in Jena (Germany) in 1991.

Our well-trained specialists work constantly on the development of our own materials, methods and technologies and also execute research work on customer order, sometimes in cooperation with universities and research establishments.

We focus our commitment and creativity on a high product quality and an excellent service for you, our customers.

Infrared transmissive chalcogenide glasses

Classic or single-grained diamond processing as well as final pressing enable you to use these as , with spherically and/or aspherically shaped surfaces, and other optical components.

CVD zinc sulfide

Zinc sulfide produced in a chemical vapor deposition process (CVD) is a cost-effective alternative for IR , lenses, domes and IR optical components. VITRON's CVD zinc sulfide is not hygroscopic and resistant to highly reactive atmospheric gases.

VITRONIT® machinable glass

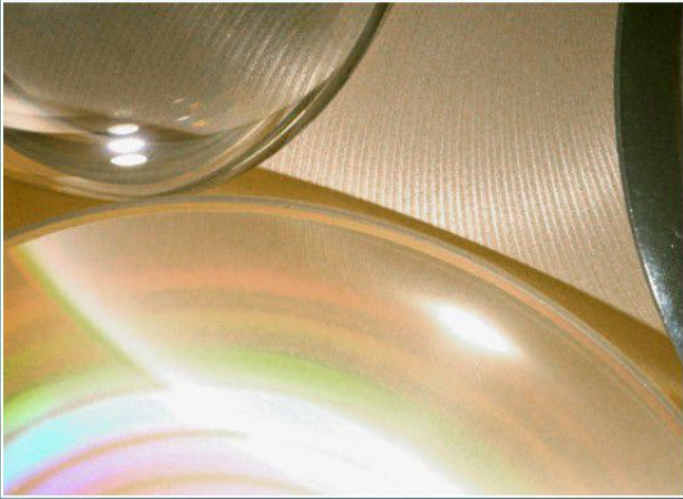
VITRONIT® is a white, non-porous and not degassing for technical applications. You can use conventional tools to machine our VITRONIT® material very precisely into complicated shapes at an attractive price.

Special molten glasses

Thanks to our ample know-how in , we can offer you molten glasses which are perfectly adapted to your individual requirements. We advise you on the right glass composition and the fusibility of your own glass formulas, and we manufacture 250 ml sized molten glass prototypes for you.

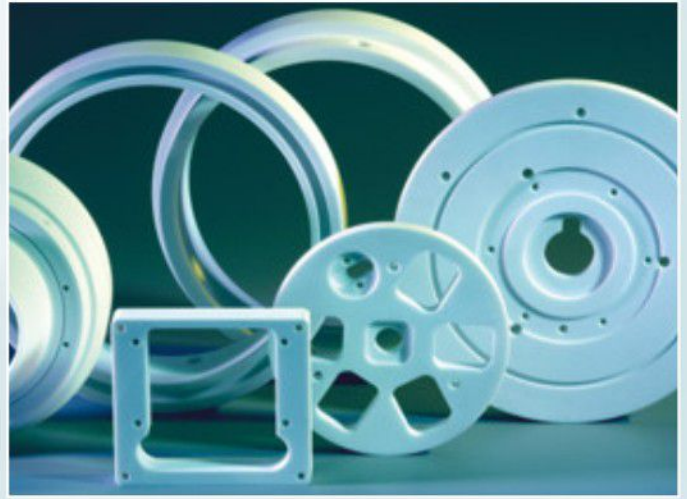
SPECIAL MOLTEN GLASSES

We also offer molten glasses which are perfectly adapted to your individual requirements. We advise our customers on the right glass composition and the fusibility of your own glass formulas. We manufacture 250ml to 4 liters Platinum crucible melts.



VITRONIT® MACHINABLE GLASS

This is a white, non-porous and not degassing for technical applications. This material combines the excellent properties of ceramics with the exquisite machinability of metals and offers you individual manufacturing and application options adapted to your individual requirements.



CVD ZINC SULPHIDE

Zinc sulfide produced in a chemical vapor deposition process (CVD) is a cost-effective alternative for IR, lenses, domes and IR optical components. VITRON's CVD zinc sulfide is not hygroscopic and resistant to highly reactive atmospheric gases.



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VITRON's Quality-Management-Procedure is applied both to material development & guarantees industry-leading performance throughout purchasing, production, quality control & delivery cycle.