

This website uses cookies to improve the user's experience during working with our network and to provide users with dedicated services and functions. By further use you agree with that.OKDetails

Address	Glassomer Hohenzollernst. 8 76135 Karlsruhe
Country	Germany

PRODUCTS OR MACHINERY

Fused silica is one of the most important high-performance materials and has many advantages like its outstanding optical transparency in the ultraviolet, visible and infrared region as well as its high thermal and chemical stability.

Structuring fused silica glass is challenging and commonly done using wet chemical etching techniques which require hydrofluoric acid. Glassomer is a silica nanocomposite which comes as a liquid or a solid. As a liquid Glassomer can be structured by room temperature replication or stereolithography 3D printing. As a solid Glassomer can be structured using classical subtractive structuring technologies like drilling, milling, lathing or simply carving with a knife. It can further be structured using thermal polymer molding technologies like nanoimprinting, thermoforming or high-throughput roll-to-roll replication. A final heat treatment turns the polymeric nanocomposites into high-quality transparent fused silica glass via thermal debinding and sintering.

Company Profile of **Glassomer**

A service of glasssglobal.com, an affiliate of glasssglobal group.

The address material you printed out is copyright and belongs to the Company or to its third party Marketing Agency, and all rights are reserved. Any User who accesses such material may do so only for its own personal use, and the use of such material is at the sole risk of the User. Redistribution or other commercial exploitation of such address material is expressly prohibited. Where such address material is provided by a third party, each User agrees to observe and be bound by the specific terms of use applying to such news material. Glass Global does not represent or endorse the accuracy or reliability of any of the info contained in any address or external websites referred to in this printout. www.glasssglobal.com - The International Portal to the Glass Industry - OGIS GmbH