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PRODUCT
FINISHING
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GVB 
SOLUTIONS IN GLASS

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P R O D U C T F I N I S H I N G

OUR PRODUCT AND US

Processed and customized borosilicate and quartz glass

You are in need of individual components made of technical glass for your products? We are dedicated in supporting you to find the right material for your application quickly and easily.

GVB - Solutions in Glass offers you numerous possibilities with regard to the **finishing of glass** tubes and rods. In addition to customized cuts from various materials such as borosilicate glass, quartz glass and Colourstar, **GVB - Solutions in Glass** also offers a range of surface treatments. Furthermore, it is possible to cut glass sheets to customer dimensions.

Benefit from our many years of experience in the procurement of raw materials and the processing of technical glass.

We will be pleased to advise you on the specific properties of different types of glass and select the optimum glass for your application together with you. Of course, we also keep an eye on the cost-benefit factor for you.

Thanks to our extensive stock range, we have a variety of cylindrical and flat materials available at short notice, thus avoiding long lead times. We can also provide you with delivery schedules adapted to your needs. In doing so, we guarantee you an approved and consistently high quality.



CUTS FROM TUBES AND RODS (clear/silk finished)

Cutting methods

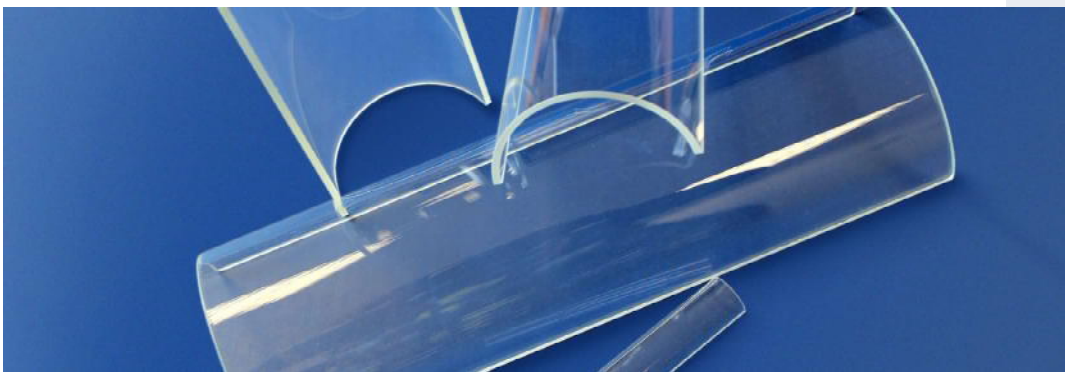
With modern technology, glass tubes are cut by using diamond saws. Sawn end faces are matt and relatively sharp-edged.

Thermal cutting is another method used at **GVB - Solutions in Glass**. The faces of the blasted cuts are bright and sharp-edged.



LONGITUDINAL CUTS / SHELLS

Besides cylindrical tube cuts **GVB - Solutions in Glass** also produces shells and tube segments in different lengths and diameters.



TREATMENT OF FACES AND EDGES

Depending on the intended use and customer requirements, the end faces can be finely ground and both the outer and inner edges can be chamfered.

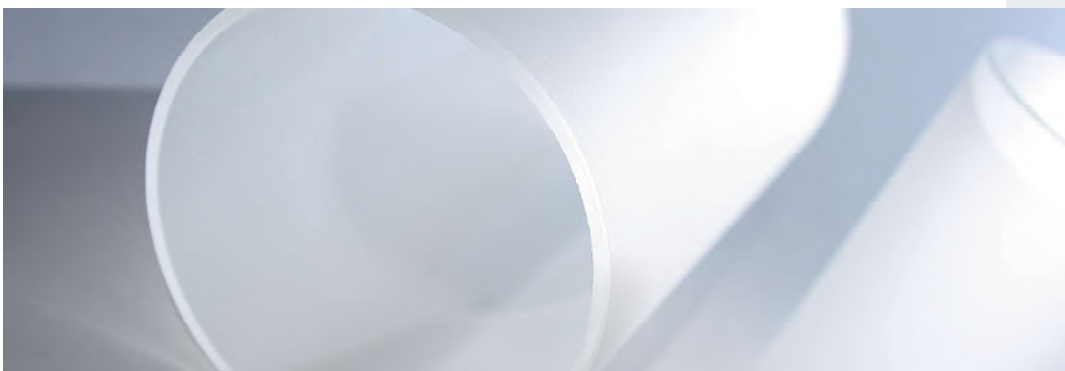
Blasted, sawn and ground end faces and edges will regain the typical brilliance of a glass surface by glazing the cut edges. Using different methods, **GVB - Solutions in Glass** can provide edge fusing from light to heavy, according to the customer demands.

Subsequent annealing will reduce the stress of flame-polished tubes in order to prevent future damage due to permanent stresses.



SURFACE FINISHING

Thanks to the high-quality components of the sandblasting system and the high degree of automation, a good and homogeneous surface quality is guaranteed.



DRILLINGS

To fix tube sections in various applications such as in lamp construction, cylinder bores can be incorporated in the glass tubes. During this process, mounting holes can be produced according to our to customer requirements.



CUTS OR PRE-CUT PARTS

Besides tubes and rods, **GVB - Solutions in Glass** successfully offers plates made of borosilicate glass as well as plates made of quartz glass. Our extensive stock range includes a vast number of standard dimensions.

Moreover, we are prepared to offer cuts from plate material according to your needs. We manufacture angular as well as round geometries with grinded and chamfered edges.





COLOUR COATINGS

Using a process we developed at **GVB - Solutions in Glass**, almost all colourless cylindrical dimensions can be provided with a special colour layer as well.

Our coloured special glass coating is applied to the inner or outer surface of the tube and gives the impression of a massive stained glass cylinder.

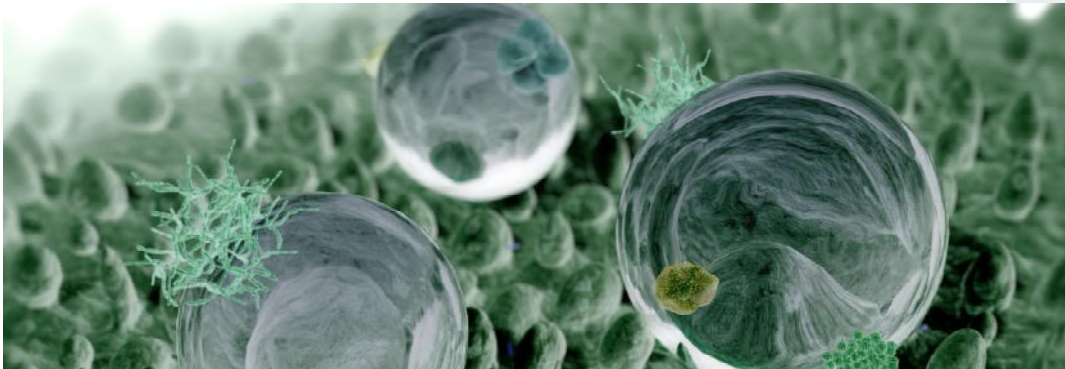
In addition to customized colours for larger series, **GVB - Solutions in Glass** provides a standard range of colours with many transparent and opaque shades.



T-TAURI SUPERPHOBE

T-Tauri Superphobe is a superphobe surface finishing for glass that is resistant to water and dirt. Based on the leaves of the lotus plant, the self-cleaning-effect is guaranteed.

The efforts for cleaning the glass will be highly reduced, the glass is protected against environmental influences, it is aging more slowly, and water and dirt are washed off easily. Limescale and the effect of acids and leaches are reduced significantly.



- High-tech-product based onto glass related substances
- Coalesces with glass due to chemical reaction
- Resistant to influences of weather and natural climatic changes
- Resistant to aggressive environmental influences, salty water and leaches
- Resistant to the influence of UV-light
- Hydrophobic and dirt-repellent, protects against new pollution
- Improves hygiene and gives it a clear look
- Saves the costs and work for cleaning as well as detergents and thus protects the environment



WITHOUT



WITH



Quartz glass sleeve **with** T-Tauri coating



Quartz glass sleeve **without** T-Tauri coating

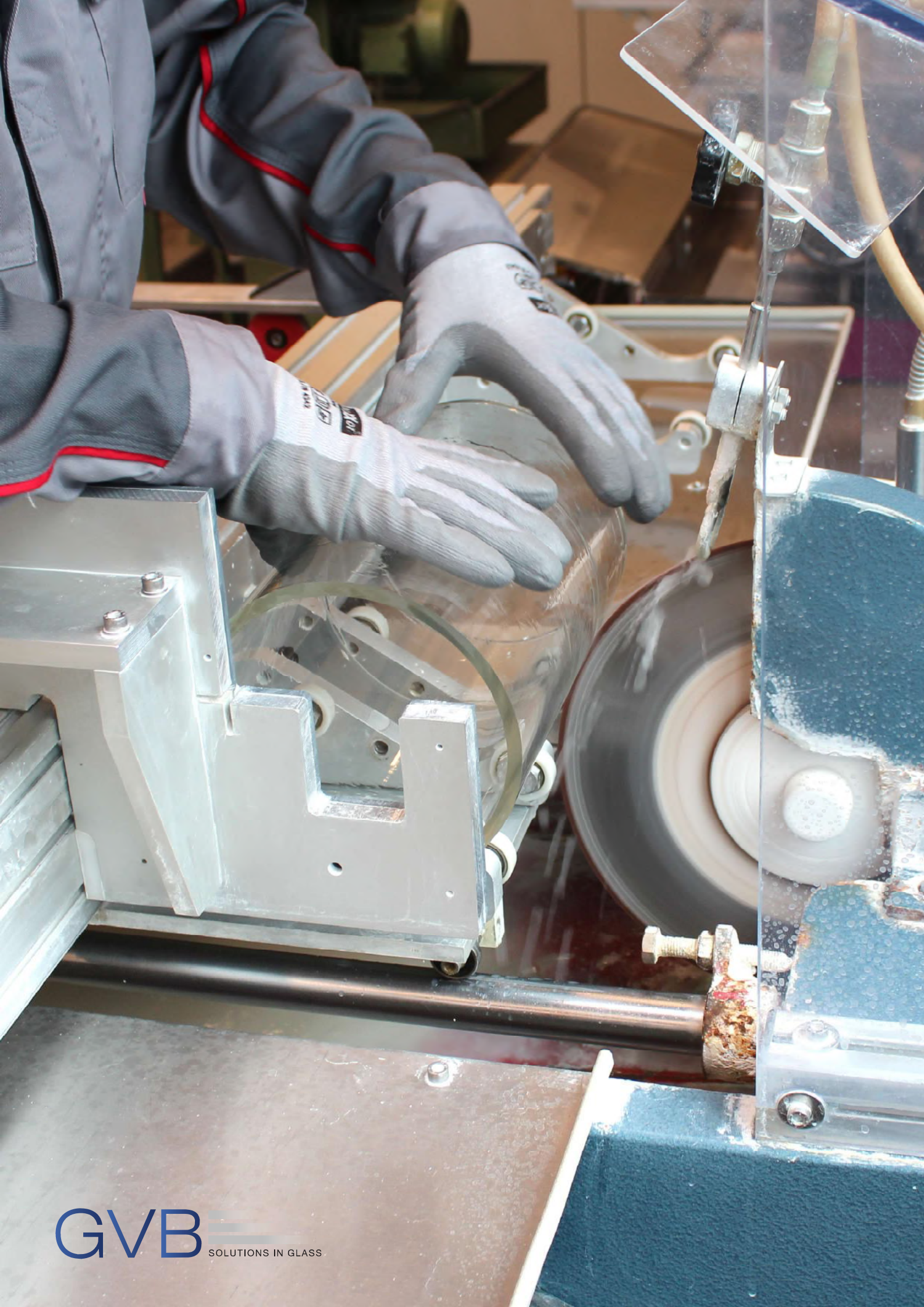
CUSTOMER SATISFACTION AND PRODUCT QUALITY

Is the main interest of **GVB - Solutions in Glass**. Therefore, all glass cylinders and plate cuts go through a detailed final inspection. On customers' request limiting samples can be agreed and stored. Thermally treated glass cylinders will be annealed to reduce the stress before delivery.

Do you have questions about our customized glass products, or need advice on individual cuts from borosilicate or quartz glass? Please send us an E-mail with the description of your request or call us.

We will advise you and will gladly submit you an offer tailored to your needs.





We also offer:

BOROSILICATE GLASS



QUARTZ GLASS



COLOURED GLASS



OPTICAL GLASS



Your satisfaction is our future

Your GVB team

GVB GmbH

Nordstern-Park 2
52134 Herzogenrath - Germany

Tel. +49(0)2406 / 665588-0
Fax. +49(0)2406 / 665588-10

info@g-v-b.de



www.g-v-b.de