

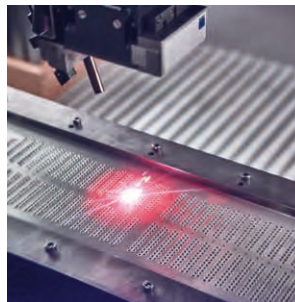


BUSHINGS AND
PRECIOUS METALS EQUIPMENT

SAXONIA[®]
EDELMETALLE

For the glass and chemical industries SAXONIA produces special equipment made of precious metals. Due to their special material properties they are characterised by excellent temperature and corrosion resistance. We supply precious metal equipment produced individually or as a series, construct according to customer designs

or apply our engineering resources to converting individual specifications into customised user solutions. As a result you will always receive a device that is manufactured with high technical skills from certified materials and subjected to accurate quality testing.



BUSHINGS FOR THE GLASS FIBRE INDUSTRY

Worldwide SAXONIA bushings produce glass fibres from E-glass, C-glass and other glasses in single-stage or two-stage processes for the following applications:

- /// Reinforcement of plastics for PC boards, tank constructions, pipes, automotive panels, automotive sunroofs, transparent coverings, boat and yacht building
- /// Textile glass fabrics for technical, electrical and acoustic insulation
- /// Glass déco fabrics (wallpaper)
- /// Fibre-glass mesh for plaster reinforcing
- /// Bitumen roof linings

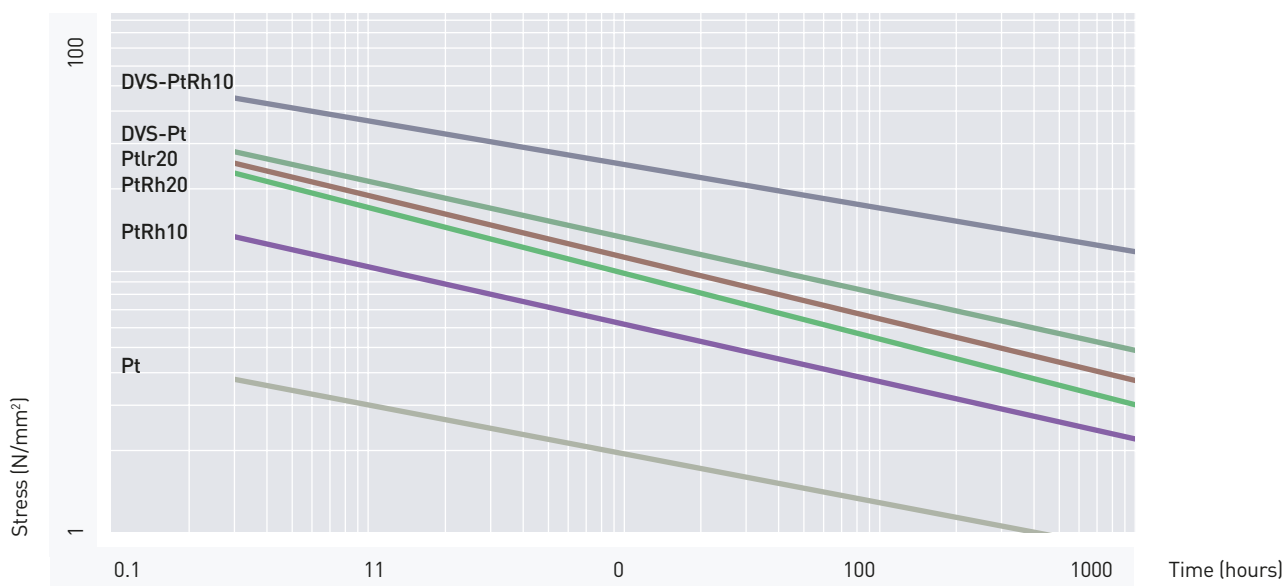
Bushings	
Materials	PtRh5, PtRh10, PtRh20, dispersion strengthened PtRh10 (DVS PtRh10)
Number of nozzles	800-4000
Nozzle geometry	conical or cylindrical
Nozzle length	>= 4 mm
Nozzle inner diameter	flexibly produced to customer design
Nozzle base production	pressed or laser welded

LABORATORY EQUIPMENT

SAXONIA produces a wide range of equipment and products for the laboratory. We are specialised in the manufacture of customised applications and special designs in accordance to customers specification. Our product programme includes:

- /// Moulds and crucibles in various designs and volumes made of Pt99.9, PtRh10, PtAu5 and other alloys
- /// Customised applications and special designs on request
- /// Other laboratory equipment (e.g. stirrers or electrodes) on request

STRESS RUPTURE STRENGTH OF PLATINUM MATERIALS AT 1400 ° C



GLASS MELTING EQUIPMENT

Glass melting equipment by SAXONIA is used as a melting system for producing high-quality glasses or on special positions in the production flow which are decisive for the glass quality. The scope of supply also includes large equipment with more than 250 kg of platinum use (feeder, stirrer cell, refiner cell, cooling tube, plunger cell or vello cell) and accessories made of platinum materials like stirrers, plungers, bubblers, drains, stone cladding, orifices and nozzles. Glass melting equipment by SAXONIA is found worldwide in the following areas of application:

- /// Automotive headlight glass
- /// Projection lenses
- /// Crystal glass
- /// Tableware
- /// TFT and LCD glass
- /// Lamp glass tubes
- /// Borosilicate glass
- /// Glass ceramics
- /// Pharmaceutical tubes

Glass melting equipment	
Materials	PtPh5, PtRh10, PtRh 20, dispersion strengthened PtRh10 (DVS PtRh10), DVS-Pt
Dimensions	Single devices up to 5 m in length according to drawing and customer design

SERVICES / PRECIOUS METAL MANAGEMENT

In addition to the manufacturing SAXONIA also offers support and advanced services regarding our equipment.

- /// Design, development and optimisation of large-scale equipment, bushings and glass melting equipment – in cooperation with competent engineering partners
- /// Toolmaking workshop for own pressing tools
- /// Deglassing of used equipment and bushings
- /// Repairing damaged precious metal equipment
- /// Inspection of damage
- /// Recovering of precious metals equipment at end of life time
- /// Refining of precious metals
- /// Insured transport and collection of customer material
- /// Fixing of precious metal
- /// Holding and administration of metal accounts
- /// Procurement of precious metals
- /// Price information



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Halsbrücke/Saxony
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Italbras S.p.A.

Vicenza/Italy
www.italbras.it

SAXONIA[®]
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