



Glass Special Products

Tailor made high-tech glass products

PHILIPS

sense and simplicity

Glass Special Products

Profile

- Optimal production facilities are available to produce on small-scale (high-tech) glass and glass products in the range from several grams to some thousands pieces or kg's per year.
- There is a wide range of forming technologies present in the Glass Special Products department. These are:
 - wet and dry fritting of the molten glass to glass sugars or chips;
 - pressing;
 - centrifuging;
 - casting of a wide range of glass pre-forms.All of the above mentioned manufacturing technologies can be combined with cold treatment/finishing (grinding, milling and sieving) of the half-products.
- Well equipped specialized laboratory with furnaces, analysis and test facilities.
- Long time track record in manufacturing special glasses.
- Some high-tech applications of the glass products developed and produced by Glass Special Products:
 - sensors in hubble space telescope and international space station;
 - medical imaging devices;
 - sensors for automotive;
 - night vision devices;
 - high quality quartz glass lamps;
 - fibre optics;
 - electron guns.





Facilities

- Wide range of furnaces with capacity in a range from a few grams up to 700 kg.
- Melting can be carried out under various conditions, such as:
 - electrical or gas heated;
 - gas/air or gas/oxy fired;
 - ceramic or platinum crucibles/furnaces.
- It is also possible to build a dedicated furnace to meet your requirements.

Added value

The combination of knowledge of our glass specialists with our manufacturing facilities makes us a valuable partner offering unique possibilities to:

- Develop and produce tailor-made special glass products or perform proto-type manufacturing.
- Increase production yields.
- Improve product quality.
- Reduce product cost price.
- Introduce products faster in to the market.

Tailor made
high-tech
glass products





Information:

Philips Lighting
Glass Special Products
Zwaanstraat 1
Building TY/TZ
P.O. Box 80020
5600 JM Eindhoven
The Netherlands
Tel.: +31 40 2780450
Fax: +31 40 2786645
E-mail: gsp@philips.com
Website: www.philips.com/gsp