

**P L A S U S**

German high-quality plasma spectroscopy  
and software solutions



# VACUUMOPTICS

OPTICAL COMPONENTS FOR IN-VACUUM AND EX-VACUUM

- Optical fibers and collimator optics**
- Collimator optics with coating protection**
- Optical vacuum feedthroughs**
- Slim and miniature size optics**

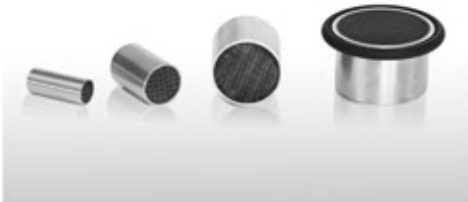
**Optical components are the interface between the application process and the detection system: the optics should transfer as much light intensity as possible and it should be flexible and resistant to industrial environments.**



Slim and miniature size optics with coating protection device and optical fibers



Ex-vacuum collimator optics with optical fiber.



Coating protection devices in different diameters for KF40 and other optical view ports



Optical vacuum feedthroughs in KF and CF flanges.



Assembled in-vacuum fiber optics set.



Multiple optical vacuum feedthroughs in single flange.

We are offering quartz fiber optics in slim size and miniature size for in-vacuum and ex-vacuum use made of stainless steel or aluminum. Especially designed collimator optics with straight and right-angled line of sight allow light detection even in process chambers with obstructed view. All in-vacuum collimator optics are equipped with a protection device to protect the optical surfaces against coating. Easy system integration of the in-vacuum optics is realized by optical vacuum feedthroughs in standard KF and CF flanges. All fiber connections are common SMA connectors.

For detailed information on VACUUM OPTICS please refer to the data sheet

**P L A S U S**

PLASUS GmbH      Tel.: +49 8233 73 53 78-0  
Lechstrasse 9      Fax: +49 8233 73 53 78-9  
D-86415 Mering      E-Mail: [service@plasus.de](mailto:service@plasus.de)  
Germany            Internet: [www.plasus.de](http://www.plasus.de)