

# Optical Components

## Product Information

SCHOTT Advanced Optics offers a broad range of cutting-edge components for optical and lithographic applications. Known for its leading edge innovations, its highest product quality and its service excellence, Advanced Optics is integrated from material development to finishing operations. Processed products include precision-molded and polished aspherical lenses, glass filters as well as precision components, such as CNC-processed parts, plane-parallel substrates and wafer.

## Lenses

Lenses are indispensable in any optical systems. Over the years, SCHOTT Advanced Optics has accumulated a wealth of experience in the production of lenses. Hence, we have amassed technical expertise and know-how as well as invested in modern technology to manufacture standard as well as customized lens solutions for our customers.

- Details can be found at: [www.schott.com/advanced\\_optics/english/our\\_products/process\\_components/lenses/index.html](http://www.schott.com/advanced_optics/english/our_products/process_components/lenses/index.html)



## Optical Filters

Optical filters made by SCHOTT Advanced Optics are widely used, including medical, imaging, surveillance and industrial applications. Working in close collaboration with our customers, SCHOTT Advanced Optics' experienced team of sales and application engineers helps to make it one of the world's most preferred suppliers of filters.

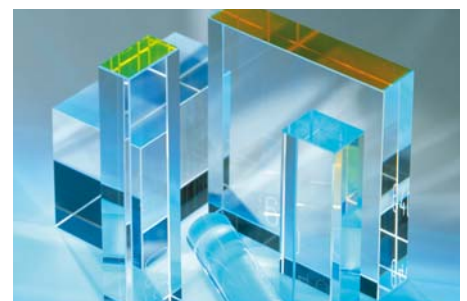
- Details can be found at: [www.schott.com/advanced\\_optics/english/our\\_products/processing\\_components/filters/index.html](http://www.schott.com/advanced_optics/english/our_products/processing_components/filters/index.html)



## Plano Optics

SCHOTT Advanced Optics is a specialist in the production of thick or thin plane parallel polished substrates of the highest precision. Over the years, we have accumulated strong know-how in the technique of flat polishing and achieved excellent quality in surface roughness, flatness and cosmetic surface properties. We provide polished substrates according to customers' drawings and specifications.

- Details can be found at: [www.schott.com/advanced\\_optics/english/our\\_products/processing\\_components/plano\\_optics/index.html](http://www.schott.com/advanced_optics/english/our_products/processing_components/plano_optics/index.html)

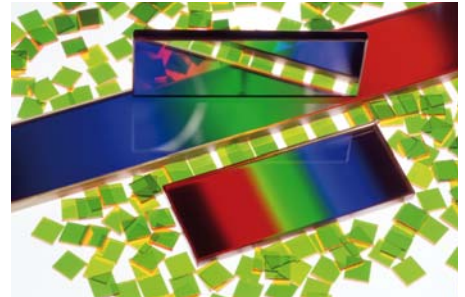


## Coatings

SCHOTT Advanced Optics performs standard and custom-designed coatings. We deposit thin films onto glass and other substrates for spectral wavelengths between 200 and 3000 nm.

“Hard coatings” do not need any additional protection, because the layers usually consist of very stable metal oxides. “Soft coatings” usually require additional measures to protect the filters. This can be achieved by a supplementary cementing with a suitable glass. Within certain areas of the UV spectrum it is not possible to use optical elements due to the inherent absorption involved. In such cases the coated substrates are fitted into appropriate mounts and protected by suitable glass.

■ Details can be found at: [www.schott.com/advanced\\_optics/english/our\\_products/processing\\_components/coatings.html](http://www.schott.com/advanced_optics/english/our_products/processing_components/coatings.html)

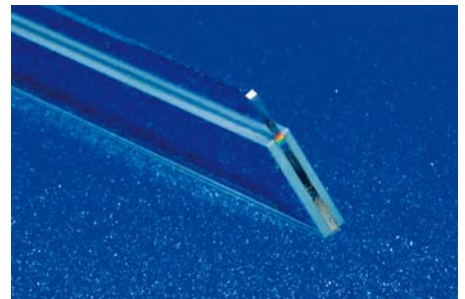


## Sub Assembly

SCHOTT Advanced Optics supplies optical and opto-mechanical mounted parts and assemblies. Such parts can be assembled either by using adhesives or by mechanical assembly.

As a reliable supplier, requirements such as high precision and quality, solid assembling, vacuum tightness and optical properties (such as transmission and reflection) can be assured.

■ Details can be found at: [www.schott.com/advanced\\_optics/english/our\\_products/processing\\_components/sub-assembly.html](http://www.schott.com/advanced_optics/english/our_products/processing_components/sub-assembly.html)



## Precision CNC-Machined Parts

CNC machined parts are parts which have been processed to complex forms. These parts have a matte (non-transparent) finish, as they have been processed with diamond tools. The process involved typically uses 3- or 5- axis machines, coupled with the use of CAD software, nearly all-geometrical forms can be achieved. SCHOTT Advanced Optics has accumulated many years of experience in the production of blanks and thereby has a variety of CNC machines available.

■ Details can be found at: [www.schott.com/advanced\\_optics/english/our\\_products/processing\\_components/cnc.html](http://www.schott.com/advanced_optics/english/our_products/processing_components/cnc.html)



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