

PRESS RELEASE

2006-16/01

Holographic Gratings for Spectroscopic Application

BERLINER GLAS is offering a new product line of holographic gratings.

Holographic gratings are common tools for high resolution spectroscopic applications. The offered gratings, manufactured under clean-room conditions, show many advantages relative to conventional ruled gratings.

All gratings are reflection gratings. Substrate material is Zerodur or other low expansion material. Concave and convex shapes are available. Grating constants of up to 4000 lines/mm can be produced. Dimensions of up to 60 mm apertures with active optical wavelengths from 200 nm to 800 nm are available. These gratings have high performing surfaces with very precise line shapes and transmission for better spectral performance.

The gratings are produced and delivered as original master gratings which ensure optimized reliability and maximum performance for customer applications. There are no performance losses due to reproduction processes. Berliner Glas has established a precise lithographic holographic process which will be further expanded to support additional new product with optimum performance.

Contact:

Berliner Glas KGaA
Herbert Kubatz GmbH & Co.
Waldkraiburger Str. 5
D-12347 Berlin
www.berlinerglas.com

Astrid Freiding
Marketing/Communications
Phone: +49 30 60905-368
Fax: +49 30 60 90 5-100
freiding@berlinerglas.de