

PRESS RELEASE

5/13/2011

Large-scale cylinder lenses and mirrors for high-tech lasers

New at Berliner Glas is the production of large-scale cylinder lenses and mirrors for laser material processing applications. The components are produced in all standard shapes with a length of up to 1,000mm. These dimensions open up new perspectives in the cost-efficient application of cylindrical optics.

Consequently Berliner Glas has recently expanded its entire optical production chain. Diverse innovative grinding and polishing processes have been added to the shaping CNC processing of large-scale optics. The whole production process is completed with the greatest care and in consideration of the highest requirements on cleanliness.

Berliner Glas is able to offer both plano and cylinder surfaces of the highest quality. In doing so an in-house developed computer-controlled corrective procedure is also used, alongside the renowned MRF process. The high-precision metrological capturing of the surface is always a condition for the success of the correction.

Developments in production and metrology orientated to the customer's product, close coordination with the customer and knowledge of its requirements lead to innovative cylindrical optics solutions. With these developments, Berliner Glas once again proves its competence in the development and production of cylindrical optics.

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About Berliner Glas:

The Berliner Glas Group, with around 1000 employees, is one of the leading European providers of optical key components, assemblies and systems as well as high-quality refined technical glass. With an understanding of optical systems and optical production technology, Berliner Glas develops, produces and integrates optics, mechanics and electronics into innovative system solutions for its customers. These solutions are used worldwide in the semiconductor industry, medical technology, metrology, laser and space technology, analytics, defense and the display industry.

Contact:

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

Astrid Freiding
Marketing/Communications
Phone: +49 30 6090 5-368
Fax: +49 30 60 90 5-100
freiding@berlinerglas.de