Design of a beam splitter lithography machine

By analyzing various existing micro and nano processing technologies, we propose optimization and selection methods for micro-prism structures with different parameters. We conducted a design and ...

A beam splitter or beamsplitter is an optical device that splits a beam of light into a transmitted and a reflected beam. It is a crucial part of many optical experimental and measurement systems, such as ...

Here, we report the experimental demonstration of an SWG metamaterial engineered beam splitter fabricated with deep-ultraviolet immersion ...

This study presents the fabrication of a high-precision beam splitter utilizing an electron beam ion-assisted deposition technique. The beam splitter exhibits excellent transmittance at a ...

The present invention provides a photolithography system having a catadioptric system with a polarizing beam splitter cube. The beam splitter cube transmits light at wavelengths equal to...

ser material processing, optical metrology, lighting and many more. By using the iterative Fourier transform algorithm (IFTA) in VirtualLab Fusion, customized beam splitters can be designed ...

To achieve it, a proper design of beam splitter is important. Several studies are reported on different kinds of beam splitters and their applications in various fields.

Large-area, oblique-incidence interferometric nanopatterning using a low-cost multilongitudinal-mode diode laser as the source and a spin-on-glass based diffraction-phase-mask ...

Here, we report the experimental demonstration of an SWG metamaterial engineered beam splitter fabricated with deep-ultraviolet immersion lithography in a 300-mm silicon-on-insulator ...

In order to circumvent this limitation, we propose a new type of high-performance Y-junction power splitter that incorporates subwavelength metamaterials.

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