

Article Overview

Several leading manufacturers supply Fiber Bragg Gratings (FBGs), including Proximion, Advanced Optics Solutions GmbH, and Northlab Photonics AB.

Key Manufacturers

Proximion specializes in advanced FBG products, offering straight, chirped, and tilted gratings with customized group delay profiles. They use a proprietary writing technique that supports both small series and high-volume production, including ultra-long FBGs for wavelength-selective filtering and optical pulse shaping . Advanced Optics Solutions GmbH (AOS) provides FBGs for telecommunications and optical sensing applications. Their products function as filters, in-fiber cavities, wavelength references, and optical strain sensors, suitable for monitoring strain, pressure, or temperature . Northlab Photonics AB (Sweden) develops and supplies equipment for fiber processing and FBG manufacturing systems. They also produce high-reliability active and passive optical components for space, telecom, industrial, medical, and R&D applications .

Additional Suppliers

RP Photonics lists 43 suppliers of fiber Bragg gratings, including both manufacturers and distributors, offering a wide range of FBG types and configurations . Other directories, such as GoPhotonics, provide searchable lists of optical grating manufacturers, allowing selection based on location and capabilities .

Considerations When Choosing a Supplier

- o Grating Type: Standard, chirped, or tilted FBGs depending on application needs.
- o Customization: Some manufacturers offer tailored group delay profiles or ultra-long gratings.
- o Volume and Automation: Evaluate whether the supplier can handle small-scale prototypes or large-scale production.
- o Application Focus: Certain suppliers specialize in telecom, sensing, or research-grade components. These manufacturers and suppliers provide a broad spectrum of FBG solutions suitable for optical communications, sensing, and laser applications.

Explore 31 top manufacturers and suppliers of Diffraction Gratings in our comprehensive photonics buyers" guide.A diffraction grating

As the leading fiber optic products supplier with more than 10 years of experience, Bonelinks is specializing



Supplier of fiber optic gratings

in designing,

Fiber Bragg Gratings A fiber Bragg grating (FBG) is a periodic structure inscribed in the core of an optical fiber, where the refractive

Stocking distributor of fiber optic installation tools, bulk fiber cables, fiber patch cables, test equipment,

Optic gratings such as reflective diffraction gratings can be customized to the perfect size for your

Fiber Bragg Grating Products Using our advanced FBG writing technologies with holographic phase mask and ebeam phase mask,

OptiGrate's BragGrate(TM) Pulse is the first commercially available Chirped Bragg Grating (CBG) based product designed for the

This buyer's guide for Bragg gratings provides technical background, comparison of major types, selection

Choose from our in-stock gratings, or talk to us about designing a custom grating or grism for your next R&D project. Are you

AtGrating is a professional company for optical fiber sensing. AtGrating offers industrial solutions by providing customized sensors

Gitterwerk is your partner for high quality diffraction gratings - optimized for high power and ultra short

Develops and supplies equipment for all stages of fiber processing, including fiber stripping, fiber cleaning, fusion splicing and glass

Proximion is the leading supplier of advanced Fiber Bragg Gratings (FBGs) based products with a capability to manufacture straight,

Optical Gratings are optical components that consist of a periodic structure of parallel slits or grooves etched or ruled onto a

The engionic Femto Gratings GmbH was founded in 2013 and is the first commercial supplier of femtosecond-Laser-written Fiber

Product Portfolio Together with our partner suppliers, AMS Technologies realizes optical gratings in various forms for a broad range

Web: <https://www.morwarreconst.co.za>

