Nordic fiber optic grating manufacturers



Overview

Optical Grating Manufacturers The leading Optical Grating Manufacturers in Sweden are listed in this directory. You can narrow down the list of manufacture.

Key Takeaways

NorthLab Photonics and Proximion are leading Nordic manufacturers of Fiber Bragg Gratings (FBGs), offering advanced production systems and customized grating solutions.

North

Lab PhotonicsNorthLab Photonics, based in Sweden, provides the NORIA system, a state-of-the-art manufacturing solution for Fiber Bragg Gratings.

The NORI

A system uses a deep ultraviolet laser and phase masks to inscribe periodic patterns into photosensitive optical fibers, allowing precise fabrication of single or multiple FBGs along a fiber. This system supports automated production with high flexibility, enabling custom grating designs for applications in seismic monitoring, medical sensors, and telecommunications.

North

Lab has collaborated with companies like Paulsson, Inc. and GlucoSet to implement NORIA for in-house production of advanced fiber sensing devices.

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Proximion

Proximion, headquartered in Sweden, is recognized as a world leader in designing and manufacturing advanced FBGs. They specialize in customized solutions for challenging applications, including high-speed fiber optic networks, harsh environment sensing, and photonic equipment development. Proximion focuses on improving system performance and reliability by leveraging the versatility of FBG technology in both telecommunications and industrial sensing.

Applications and Capabilities

Both North

Lab and Proximion serve a wide range of industries: Telecommunications: FBGs are used as wavelength filters, dispersion compensators, and high-reflective mirrors in fiber lasers. Sensing: FBGs enable strain, temperature, and pressure monitoring in harsh environments, including down-hole oil applications and structural health monitoring. Medical and Research: Custom FBGs are applied in fiber-optic glucose sensors and laboratory photonics experiments.

These Nordic manufacturers combine precision fabrication, flexibility, and high reliability, making them suitable partners for both research and industrial-scale FBG production. For more information, you can explore NorthLab's NORIA system here and Proximion's FBG solutions here.

Article Content

Optical Grating Manufacturers

The leading Optical Grating Manufacturers in Sweden are listed in this directory. You can narrow down the list of manufacturers based on their location and capabilities, browse their product catalogs, view

NorthLab NORIA – Fiber Bragg Grating manufacturing

NORIA is a manufacturing system designed for producing Fiber Bragg Gratings (FBGs). A deep ultra violet laser (Coherent) and a phase mask (Ibsen Photonics)

Fiber Bragg Gratings – Buyer''s Guide & Supplier List

This buyer''s guide for fiber Bragg gratings provides technical background, comparison of major types, selection criteria, and an overview of suppliers.

Fiber Bragg Grating Technology | Fiber Optics

At Proximion, our core expertise lies in Fiber Bragg Grating (FBG) technology, dispersion management, and high-precision optical sensing.

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Fiber Bragg Gratings | Suppliers | Photonics Buyers'' Guide | Photonics ...

Designs, manufactures, and markets high reliability active and passive optical components and modules for space, telecom, industrial, medical, and R&D applications.

O/E Land Inc

Fiber Bragg Gratings (wavelength from 400 nm - 2400 nm), Gain Flattening Filters, DWDM Gratings, Dispersion Compensation Gratings, Long Period Gratings, Phase Masks, H 2 Loading Systems.

Cutting-Edge Fiber Optic Solutions | NorthLab Photonics

At NorthLab Photonics, we are pioneers in advanced fiber optic solutions, delivering unmatched precision and reliability. With over a decade of experience, we serve

OEM Spectrometers and Transmission Gratings

Since our incorporation in 1991, Ibsen Photonics has been the world leader in fused silica transmission gratings. Our grating products today include phase masks, telecom gratings, pulse compression

O/E Land Inc

Using our advanced FBG writing technologies with holographic phase mask and ebeam phase mask, we are able to write many different types of fiber Bragg grating such as the following listed products.

17 Diffraction Grating Manufacturers in 2026

17 Diffraction Grating Manufacturers in 2026 This section provides an overview for diffraction grating as well as their applications and principles. Also, please take a look at the list of 17 diffraction grating

Top 15 Fiber Optic Installation Investors in Nordics

Want to find more investors focusing on the fiber optic installation industry? If you want to find more investors that are active in the fiber optic installationindustry, you can do that with Inven.

LASER COMPONENTS Nordic

Understanding these distinctions, LASER COMPONENTS Nordic''s seasoned sales team capitalizes on their experience in the optics and photonics industry. Ever since its establishment in 2014, the

Fiber bragg gratings

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Fiber bragg gratings Field proven Fiber Bragg Gratings (FBGs) as measurement elements for sensing applications FBGs are a few millimeters long reflective microstructures that are inscribed within the

Optical Gratings

Product PortfolioTogether with our partner suppliers, AMS Technologies realizes optical gratings in various forms for a broad range of applications e.g. in optoelectronics, analytical, and defense

Optical Gratings | ZEISS high performance optical gratings

High performance, aberration corrected ZEISS optical gratings offer preeminent precision for your analytical devices. Regardless of your application needs, our

Fiber Bragg Grating | HOME I Technica

Technica is dedicated to becoming one of the world''s leaders in the fiber optics component industry with a focus on Fiber Bragg Gratings (FBG)

Bragg Gratings – Buyer''s Guide & Supplier List | RP Photonics

This buyer''s guide for Bragg gratings provides technical background, comparison of major types, selection criteria, and an overview of suppliers.

9 Fiber Bragg Grating Manufacturers in 2026 | Metoree

9 Fiber Bragg Grating Manufacturers in 2026 This section provides an overview for fiber bragg gratings as well as their applications and principles. Also, please take a look at the list of 9 fiber bragg grating

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

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