+357 96 030922
info@marketpublishers.com

Global NIR Transmission Grating Supply, Demand and Key Producers, 2026-2032

https://marketpublishers.com/r/GB6B44CE731DEN.html
Date: November 2026
Pages: 156
Price: US$ 4,480.00 (Single User License)
ID: GB6B44CE731DEN

Abstracts

The global NIR Transmission Grating market size is expected to reach $ 227 million by 2032, rising at a market growth of 7.0% CAGR during the forecast period (2026-2032).

NIR Transmission Grating is a transmissive diffractive optical element designed primarily for the near-infrared spectral range. It uses a precisely controlled periodic grating structure to diffract incident light into designated transmission orders, enabling wavelength dispersion, spectral selection, beam steering and related optical functions. Product performance is determined by parameters including design wavelength, groove or grating period, diffraction efficiency, polarization response, clear aperture, wavefront quality and optical damage resistance. This study focuses on commercial NIR Transmission Grating products with design wavelengths mainly within 700–2500 nm, covering surface-relief transmission gratings and volume holographic transmission gratings. Commercial manufacturing routes include mechanically ruled, holographically recorded and lithographically patterned structures. These products are supplied as independent optical components and are integrated into spectroscopy and scientific instruments, laser systems, optical communications, and imaging and sensing systems where efficient near-infrared wavelength manipulation is required.

Key Findings

Global NIR Transmission Grating shipments were approximately 165 thousand units in 2025

The enterprise-level average selling price was approximately US$830 per unit in 2025

+357 96 030922
info@marketpublishers.com

The industry-wide average gross margin was approximately 42% in 2025

Surface-relief and volume holographic structures represent the two principal commercial technology routes

Spectroscopy, laser systems, optical communications, and imaging and sensing form the core downstream demand base

Market Trends

The NIR Transmission Grating industry is moving toward higher diffraction efficiency, lower optical loss, improved wavefront quality, broader operating stability and stronger laser damage resistance. Product development increasingly emphasizes application-specific optimization rather than general-purpose grating specifications, particularly for ultrafast laser compression, high-resolution spectroscopy, wavelength-selective optical systems and near-infrared sensing. At the same time, suppliers are improving process repeatability and wafer- or batch-oriented manufacturing capabilities to support OEM customers requiring tighter unit-to-unit consistency. Volume holographic structures are expanding the design space for narrow-band spectral and angular selection, while advanced surface-relief structures continue to evolve toward finer periods, higher efficiency and more complex optical functions. The market is therefore gradually shifting from individually specified optical components toward engineered grating platforms designed for integration into scalable photonic systems.

Market Dynamics

Drivers

Demand is supported by the continuing expansion of near-infrared spectroscopy, ultrafast and high-power laser systems, optical communication equipment, LiDAR, OCT and other optical sensing platforms. Increasing requirements for compact optical architectures and higher spectral efficiency are encouraging system designers to replace less efficient or more complex optical arrangements with optimized transmission gratings. Growth in OEM photonics manufacturing also favors components capable of providing high diffraction efficiency, stable optical performance and repeatable batch production. The 700–1700 nm range is particularly important because it intersects multiple established laser, communication and sensing wavelengths, creating a

+357 96 030922
info@marketpublishers.com

diversified demand base rather than dependence on a single end market.

Restraints

NIR Transmission Grating manufacturing remains dependent on high-precision pattern generation, lithography or holographic recording, etching, coating and optical metrology. Tight tolerances in grating period, groove profile, substrate flatness and wavefront quality can reduce manufacturing yield and raise qualification costs, especially for large-aperture, high-efficiency and high-damage-threshold products. Many projects also involve customized wavelengths, incident angles, polarization characteristics and dimensions, limiting the degree of standardization achievable across the industry. For smaller-volume applications, engineering and qualification expenses can represent a meaningful proportion of total product cost, constraining adoption where lower-cost reflective gratings or alternative dispersive optics can meet system requirements.

Opportunities

The strongest opportunities lie in higher-value applications requiring performance beyond conventional catalog gratings. Ultrafast laser pulse compression and spectral beam combining create demand for high-efficiency, low-loss and high-damage-threshold transmission structures, while optical communication and sensing systems provide opportunities for compact, repeatable and potentially higher-volume components. The 1000–1700 nm wavelength range offers particularly broad commercial potential because it encompasses important laser, telecommunications and sensing bands, while the 1700–2500 nm range provides additional opportunities in emerging near-infrared and short-wave infrared spectroscopy. Improvements in lithography, holographic recording, microfabrication and automated optical inspection can also expand economically viable batch production and reduce the gap between customized performance and volume manufacturing.

Challenges

The principal long-term challenge is balancing optical performance, customization and manufacturing economics. Customer specifications frequently differ in wavelength, line density, diffraction order, incidence geometry, polarization response and aperture, making a single standardized platform difficult to apply across all markets. High-performance products also require stable control of microstructure geometry and

+357 96 030922
info@marketpublishers.com

coating processes over the full clear aperture. As downstream systems become more compact and performance-sensitive, tolerance requirements are likely to tighten further. Suppliers must therefore maintain strong optical design capabilities while continually improving process control, yield, testing efficiency and scale-up capability, creating sustained capital and technical barriers for smaller manufacturers.

Industry Chain Analysis

The upstream NIR Transmission Grating industry chain consists primarily of precision optical substrates, fused silica and specialty optical glass, photosensitive materials, photoresists, dielectric coating materials and supporting microfabrication equipment. Critical manufacturing resources include lithography and holographic exposure systems, ruling or pattern-generation equipment, reactive-ion or related etching systems, precision coating equipment and optical metrology instruments. Material quality and dimensional stability directly influence wavefront performance, optical loss and environmental reliability, while patterning and etching accuracy determine grating period, groove profile and ultimately diffraction efficiency.

The midstream combines optical design, master or pattern generation, grating fabrication, coating, cutting, assembly and optical characterization. Value creation is concentrated in proprietary design capability, process know-how, high-yield replication, diffraction-efficiency control and consistent production quality rather than in substrate material alone. Customized high-performance gratings generally command higher value because they require more engineering, qualification and testing, whereas standardized OEM products depend more heavily on manufacturing yield and production scale. Downstream demand is concentrated in spectroscopy and scientific instruments, laser systems, optical communications, and imaging and sensing, with suppliers increasingly participating in early-stage optical system design to secure long-term OEM programs.

Segment Insights

By grating structure, the market consists primarily of surface-relief transmission gratings and volume holographic transmission gratings. Surface-relief products use precisely controlled periodic structures on or near the substrate surface and offer substantial flexibility in wavelength, line density, groove profile and aperture design. They are widely compatible with spectroscopic dispersion, ultrafast laser pulse compression and other high-performance optical systems. Volume holographic transmission gratings use refractive-index modulation within an optical medium and are particularly attractive

+357 96 030922
info@marketpublishers.com

where high diffraction efficiency, narrow spectral selectivity or angular selectivity is required. The two structures therefore address partially different optical requirements and are expected to coexist rather than follow a simple substitution path.

By design wavelength, commercial products span 700–<1000 nm, 1000–<1700 nm and 1700–2500 nm. Commercial activity is particularly dense in the 1000–<1700 nm range because it contains several important laser, optical communication and sensing wavelengths, including applications around 1064 nm, 1310 nm and 1550 nm. The 700–<1000 nm range remains important for spectroscopy, sensing and selected laser systems, while 1700–2500 nm represents a more specialized segment associated with extended near-infrared and short-wave infrared measurement. By patterning method, mechanically ruled, holographically recorded and lithographically patterned products provide different combinations of design flexibility, stray-light performance, scalability and manufacturing cost.

Downstream Market Opportunities

Downstream opportunities are becoming increasingly application-specific. Spectroscopy and scientific instruments require stable wavelength dispersion, low stray light and reproducible optical performance, supporting demand for both standardized and customized gratings. Laser systems represent a higher-performance segment, particularly where pulse compression, wavelength selection or beam combining requires high efficiency and high optical damage resistance. Optical communications favor compact components with stable wavelength and polarization characteristics, while imaging and sensing applications such as OCT and LiDAR create opportunities for gratings optimized for system size, throughput and environmental stability. These different requirements broaden the addressable market while encouraging suppliers to develop application-specific product platforms rather than a single universal grating architecture.

Regional Insights

North America maintains a broad supplier and customer base across specialized photonics, spectroscopy, ultrafast lasers and sensing systems, with both diversified optical groups and dedicated grating manufacturers participating in the market. Europe has a strong position in precision optical manufacturing and high-performance laser technologies, with demand particularly associated with scientific instrumentation, industrial lasers and advanced photonic systems. These two regions remain important

+357 96 030922
info@marketpublishers.com

centers for customized and technically demanding NIR Transmission Grating products, where optical performance, qualification and engineering collaboration are major purchasing criteria.

Asia-Pacific combines established Japanese precision-optics capabilities with an expanding Chinese manufacturing base and substantial downstream activity in optical communications, laser equipment, electronics and sensing. Regional competition is increasingly influenced by the ability to move from small-batch customized manufacturing toward repeatable OEM production. Rather than being defined by a single dominant regional application, market opportunities vary according to local photonics ecosystems, with high-end customized optics and scalable industrial production developing in parallel.

Competitive Landscape Analysis

The NIR Transmission Grating market has a diversified competitive structure consisting of specialized diffraction-grating manufacturers, integrated photonics and optical-component groups, and emerging precision optical suppliers. Competition is driven less by nominal product availability than by diffraction efficiency, wavelength-specific optimization, wavefront quality, polarization control, optical damage threshold, aperture capability and manufacturing repeatability. Specialist manufacturers tend to differentiate through proprietary grating design, mastering, holographic recording or microfabrication expertise, while larger optical groups can leverage coating, substrate processing, metrology and system-level integration capabilities. For OEM programs, the ability to maintain consistent optical performance across production batches and support customer-specific design is increasingly important. As applications expand from scientific instrumentation toward industrial laser, communication and sensing systems, production scalability, qualification capability and long-term supply reliability are becoming as important as peak optical performance.

Report Scope

This report studies the global NIR Transmission Grating production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for NIR Transmission Grating and provides market size (US$ million) and Year-over-Year (YoY)

+357 96 030922
info@marketpublishers.com

Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of NIR Transmission Grating that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global NIR Transmission Grating total production and demand, 2021-2032, (K Pcs)

Global NIR Transmission Grating total production value, 2021-2032, (USD Million)

Global NIR Transmission Grating production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Pcs), (based on production site)

Global NIR Transmission Grating consumption by region & country, CAGR, 2021-2032 & (K Pcs)

U.S. VS China: NIR Transmission Grating domestic production, consumption, key domestic manufacturers and share

Global NIR Transmission Grating production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Pcs)

Global NIR Transmission Grating production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Pcs)

Global NIR Transmission Grating production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Pcs)

This report profiles key players in the global NIR Transmission Grating market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Ibsen Photonics, Wasatch Photonics, Thorlabs, Coherent, Gitterwerk, MKS, Holographix, AGC, Plymouth Grating Laboratory, Optometrics, etc.

+357 96 030922
info@marketpublishers.com

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World NIR Transmission Grating market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US$ Millions), volume (production, consumption) & (K Pcs) and average price (US$/Pcs) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global NIR Transmission Grating Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Market Segmentation

Global NIR Transmission Grating Market, Segmentation by Type:

+357 96 030922
info@marketpublishers.com

Surface-Relief Transmission Grating

Volume Holographic Transmission Grating

Global NIR Transmission Grating Market, Segmentation by Operating Wavelength:

700–<1000 nm

1000–<1700 nm

1700–2500 nm

Global NIR Transmission Grating Market, Segmentation by Patterning Method:

Mechanically Ruled Type

Holographically Recorded Type

Lithographically Patterned Type

Global NIR Transmission Grating Market, Segmentation by Application:

Spectroscopy and Scientific Instruments

Laser Systems

Optical Communications

Imaging and Sensing

Other

+357 96 030922
info@marketpublishers.com

Companies Profiled:

Ibsen Photonics

Wasatch Photonics

Thorlabs

Coherent

Gitterwerk

MKS

Holographix

AGC

Plymouth Grating Laboratory

Optometrics

Jenoptik

Ushio

Shimadzu

HORIBA

ZEISS

Torrent Photonics

Knight Optical

OPCO Laboratory

+357 96 030922
info@marketpublishers.com

OptiGrate

Anhui Zhongke Grating Technology

CASTECH

Qingxuankeji

Key Questions Answered

1. How big is the global NIR Transmission Grating market?
2. What is the demand of the global NIR Transmission Grating market?
3. What is the year over year growth of the global NIR Transmission Grating market?
4. What is the total value of the global NIR Transmission Grating market?
5. Who are the Major Players in the global NIR Transmission Grating market?
6. What are the growth factors driving the market demand?

+357 96 030922
info@marketpublishers.com

Contents

1 SUPPLY SUMMARY

1.1 NIR Transmission Grating Introduction
1.2 World NIR Transmission Grating Supply & Forecast
  1.2.1 World NIR Transmission Grating Production Value (2021 & 2025 & 2032)
  1.2.2 World NIR Transmission Grating Production (2021-2032)
  1.2.3 World NIR Transmission Grating Pricing Trends (2021-2032)
1.3 World NIR Transmission Grating Production by Region (Based on Production Site)
  1.3.1 World NIR Transmission Grating Production Value by Region (2021-2032)
  1.3.2 World NIR Transmission Grating Production by Region (2021-2032)
  1.3.3 World NIR Transmission Grating Average Price by Region (2021-2032)
  1.3.4 North America NIR Transmission Grating Production (2021-2032)
  1.3.5 Europe NIR Transmission Grating Production (2021-2032)
  1.3.6 China NIR Transmission Grating Production (2021-2032)
  1.3.7 Japan NIR Transmission Grating Production (2021-2032)
1.4 Market Drivers, Restraints and Trends
  1.4.1 NIR Transmission Grating Market Drivers
  1.4.2 Factors Affecting Demand
  1.4.3 NIR Transmission Grating Major Market Trends

2 DEMAND SUMMARY

2.1 World NIR Transmission Grating Demand (2021-2032)
2.2 World NIR Transmission Grating Consumption by Region
  2.2.1 World NIR Transmission Grating Consumption by Region (2021-2026)
  2.2.2 World NIR Transmission Grating Consumption Forecast by Region (2027-2032)
2.3 United States NIR Transmission Grating Consumption (2021-2032)
2.4 China NIR Transmission Grating Consumption (2021-2032)
2.5 Europe NIR Transmission Grating Consumption (2021-2032)
2.6 Japan NIR Transmission Grating Consumption (2021-2032)
2.7 South Korea NIR Transmission Grating Consumption (2021-2032)
2.8 ASEAN NIR Transmission Grating Consumption (2021-2032)
2.9 India NIR Transmission Grating Consumption (2021-2032)

3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS

3.1 World NIR Transmission Grating Production Value by Manufacturer (2021-2026)

+357 96 030922
info@marketpublishers.com

3.2 World NIR Transmission Grating Production by Manufacturer (2021-2026)
3.3 World NIR Transmission Grating Average Price by Manufacturer (2021-2026)
3.4 NIR Transmission Grating Company Evaluation Quadrant
3.5 Industry Rank and Concentration Rate (CR)
  3.5.1 Global NIR Transmission Grating Industry Rank of Major Manufacturers
  3.5.2 Global Concentration Ratios (CR4) for NIR Transmission Grating in 2025
  3.5.3 Global Concentration Ratios (CR8) for NIR Transmission Grating in 2025
3.6 NIR Transmission Grating Market: Overall Company Footprint Analysis
  3.6.1 NIR Transmission Grating Market: Region Footprint
  3.6.2 NIR Transmission Grating Market: Company Product Type Footprint
  3.6.3 NIR Transmission Grating Market: Company Product Application Footprint
3.7 Competitive Environment
  3.7.1 Historical Structure of the Industry
  3.7.2 Barriers of Market Entry
  3.7.3 Factors of Competition
3.8 New Entrant and Capacity Expansion Plans
3.9 Mergers, Acquisition, Agreements, and Collaborations

4 UNITED STATES VS CHINA VS REST OF THE WORLD

4.1 United States VS China: NIR Transmission Grating Production Value Comparison
  4.1.1 United States VS China: NIR Transmission Grating Production Value Comparison (2021 & 2025 & 2032)
  4.1.2 United States VS China: NIR Transmission Grating Production Value Market Share Comparison (2021 & 2025 & 2032)
4.2 United States VS China: NIR Transmission Grating Production Comparison
  4.2.1 United States VS China: NIR Transmission Grating Production Comparison (2021 & 2025 & 2032)
  4.2.2 United States VS China: NIR Transmission Grating Production Market Share Comparison (2021 & 2025 & 2032)
4.3 United States VS China: NIR Transmission Grating Consumption Comparison
  4.3.1 United States VS China: NIR Transmission Grating Consumption Comparison (2021 & 2025 & 2032)
  4.3.2 United States VS China: NIR Transmission Grating Consumption Market Share Comparison (2021 & 2025 & 2032)
4.4 United States Based NIR Transmission Grating Manufacturers and Market Share, 2021-2026
  4.4.1 United States Based NIR Transmission Grating Manufacturers, Headquarters and Production Site (States, Country)

+357 96 030922
info@marketpublishers.com

4.4.2 United States Based Manufacturers NIR Transmission Grating Production Value (2021-2026)
4.4.3 United States Based Manufacturers NIR Transmission Grating Production (2021-2026)
4.5 China Based NIR Transmission Grating Manufacturers and Market Share
4.5.1 China Based NIR Transmission Grating Manufacturers, Headquarters and Production Site (Province, Country)
4.5.2 China Based Manufacturers NIR Transmission Grating Production Value (2021-2026)
4.5.3 China Based Manufacturers NIR Transmission Grating Production (2021-2026)
4.6 Rest of World Based NIR Transmission Grating Manufacturers and Market Share, 2021-2026
4.6.1 Rest of World Based NIR Transmission Grating Manufacturers, Headquarters and Production Site (State, Country)
4.6.2 Rest of World Based Manufacturers NIR Transmission Grating Production Value (2021-2026)
4.6.3 Rest of World Based Manufacturers NIR Transmission Grating Production (2021-2026)

5 MARKET ANALYSIS BY TYPE

5.1 World NIR Transmission Grating Market Size Overview by Type: 2021 VS 2025 VS 2032
5.2 Segment Introduction by Type
5.2.1 Surface-Relief Transmission Grating
5.2.2 Volume Holographic Transmission Grating
5.3 Market Segment by Type
5.3.1 World NIR Transmission Grating Production by Type (2021-2032)
5.3.2 World NIR Transmission Grating Production Value by Type (2021-2032)
5.3.3 World NIR Transmission Grating Average Price by Type (2021-2032)

6 MARKET ANALYSIS BY OPERATING WAVELENGTH

6.1 World NIR Transmission Grating Market Size Overview by Operating Wavelength: 2021 VS 2025 VS 2032
6.2 Segment Introduction by Operating Wavelength
6.2.1 700–<1000 nm
6.2.2 1000–<1700 nm
6.2.3 1700–2500 nm

+357 96 030922
info@marketpublishers.com

6.3 Market Segment by Operating Wavelength
6.3.1 World NIR Transmission Grating Production by Operating Wavelength (2021-2032)
6.3.2 World NIR Transmission Grating Production Value by Operating Wavelength (2021-2032)
6.3.3 World NIR Transmission Grating Average Price by Operating Wavelength (2021-2032)

7 MARKET ANALYSIS BY PATTERNING METHOD

7.1 World NIR Transmission Grating Market Size Overview by Patterning Method: 2021 VS 2025 VS 2032
7.2 Segment Introduction by Patterning Method
7.2.1 Mechanically Ruled Type
7.2.2 Holographically Recorded Type
7.2.3 Lithographically Patterned Type
7.3 Market Segment by Patterning Method
7.3.1 World NIR Transmission Grating Production by Patterning Method (2021-2032)
7.3.2 World NIR Transmission Grating Production Value by Patterning Method (2021-2032)
7.3.3 World NIR Transmission Grating Average Price by Patterning Method (2021-2032)

8 MARKET ANALYSIS BY APPLICATION

8.1 World NIR Transmission Grating Market Size Overview by Application: 2021 VS 2025 VS 2032
8.2 Segment Introduction by Application
8.2.1 Spectroscopy and Scientific Instruments
8.2.2 Laser Systems
8.2.3 Optical Communications
8.2.4 Imaging and Sensing
8.2.5 Other
8.3 Market Segment by Application
8.3.1 World NIR Transmission Grating Production by Application (2021-2032)
8.3.2 World NIR Transmission Grating Production Value by Application (2021-2032)
8.3.3 World NIR Transmission Grating Average Price by Application (2021-2032)

9 COMPANY PROFILES

+357 96 030922
info@marketpublishers.com

9.1 Ibsen Photonics
9.1.1 Ibsen Photonics Details
9.1.2 Ibsen Photonics Major Business
9.1.3 Ibsen Photonics NIR Transmission Grating Product and Services
9.1.4 Ibsen Photonics NIR Transmission Grating Production, Price, Value, Gross Margin and Market Share (2021-2026)
9.1.5 Ibsen Photonics Recent Developments/Updates
9.1.6 Ibsen Photonics Competitive Strengths & Weaknesses
9.2 Wasatch Photonics
9.2.1 Wasatch Photonics Details
9.2.2 Wasatch Photonics Major Business
9.2.3 Wasatch Photonics NIR Transmission Grating Product and Services
9.2.4 Wasatch Photonics NIR Transmission Grating Production, Price, Value, Gross Margin and Market Share (2021-2026)
9.2.5 Wasatch Photonics Recent Developments/Updates
9.2.6 Wasatch Photonics Competitive Strengths & Weaknesses
9.3 Thorlabs
9.3.1 Thorlabs Details
9.3.2 Thorlabs Major Business
9.3.3 Thorlabs NIR Transmission Grating Product and Services
9.3.4 Thorlabs NIR Transmission Grating Production, Price, Value, Gross Margin and Market Share (2021-2026)
9.3.5 Thorlabs Recent Developments/Updates
9.3.6 Thorlabs Competitive Strengths & Weaknesses
9.4 Coherent
9.4.1 Coherent Details
9.4.2 Coherent Major Business
9.4.3 Coherent NIR Transmission Grating Product and Services
9.4.4 Coherent NIR Transmission Grating Production, Price, Value, Gross Margin and Market Share (2021-2026)
9.4.5 Coherent Recent Developments/Updates
9.4.6 Coherent Competitive Strengths & Weaknesses
9.5 Gitterwerk
9.5.1 Gitterwerk Details
9.5.2 Gitterwerk Major Business
9.5.3 Gitterwerk NIR Transmission Grating Product and Services
9.5.4 Gitterwerk NIR Transmission Grating Production, Price, Value, Gross Margin and Market Share (2021-2026)

+357 96 030922
info@marketpublishers.com

9.5.5 Gitterwerk Recent Developments/Updates
9.5.6 Gitterwerk Competitive Strengths & Weaknesses
9.6 MKS
9.6.1 MKS Details
9.6.2 MKS Major Business
9.6.3 MKS NIR Transmission Grating Product and Services
9.6.4 MKS NIR Transmission Grating Production, Price, Value, Gross Margin and Market Share (2021-2026)
9.6.5 MKS Recent Developments/Updates
9.6.6 MKS Competitive Strengths & Weaknesses
9.7 Holographix
9.7.1 Holographix Details
9.7.2 Holographix Major Business
9.7.3 Holographix NIR Transmission Grating Product and Services
9.7.4 Holographix NIR Transmission Grating Production, Price, Value, Gross Margin and Market Share (2021-2026)
9.7.5 Holographix Recent Developments/Updates
9.7.6 Holographix Competitive Strengths & Weaknesses
9.8 AGC
9.8.1 AGC Details
9.8.2 AGC Major Business
9.8.3 AGC NIR Transmission Grating Product and Services
9.8.4 AGC NIR Transmission Grating Production, Price, Value, Gross Margin and Market Share (2021-2026)
9.8.5 AGC Recent Developments/Updates
9.8.6 AGC Competitive Strengths & Weaknesses
9.9 Plymouth Grating Laboratory
9.9.1 Plymouth Grating Laboratory Details
9.9.2 Plymouth Grating Laboratory Major Business
9.9.3 Plymouth Grating Laboratory NIR Transmission Grating Product and Services
9.9.4 Plymouth Grating Laboratory NIR Transmission Grating Production, Price, Value, Gross Margin and Market Share (2021-2026)
9.9.5 Plymouth Grating Laboratory Recent Developments/Updates
9.9.6 Plymouth Grating Laboratory Competitive Strengths & Weaknesses
9.10 Optometrics
9.10.1 Optometrics Details
9.10.2 Optometrics Major Business
9.10.3 Optometrics NIR Transmission Grating Product and Services
9.10.4 Optometrics NIR Transmission Grating Production, Price, Value, Gross Margin

+357 96 030922
info@marketpublishers.com

and Market Share (2021-2026)
9.10.5 Optometrics Recent Developments/Updates
9.10.6 Optometrics Competitive Strengths & Weaknesses
9.11 Jenoptik
9.11.1 Jenoptik Details
9.11.2 Jenoptik Major Business
9.11.3 Jenoptik NIR Transmission Grating Product and Services
9.11.4 Jenoptik NIR Transmission Grating Production, Price, Value, Gross Margin and Market Share (2021-2026)
9.11.5 Jenoptik Recent Developments/Updates
9.11.6 Jenoptik Competitive Strengths & Weaknesses
9.12 Ushio
9.12.1 Ushio Details
9.12.2 Ushio Major Business
9.12.3 Ushio NIR Transmission Grating Product and Services
9.12.4 Ushio NIR Transmission Grating Production, Price, Value, Gross Margin and Market Share (2021-2026)
9.12.5 Ushio Recent Developments/Updates
9.12.6 Ushio Competitive Strengths & Weaknesses
9.13 Shimadzu
9.13.1 Shimadzu Details
9.13.2 Shimadzu Major Business
9.13.3 Shimadzu NIR Transmission Grating Product and Services
9.13.4 Shimadzu NIR Transmission Grating Production, Price, Value, Gross Margin and Market Share (2021-2026)
9.13.5 Shimadzu Recent Developments/Updates
9.13.6 Shimadzu Competitive Strengths & Weaknesses
9.14 HORIBA
9.14.1 HORIBA Details
9.14.2 HORIBA Major Business
9.14.3 HORIBA NIR Transmission Grating Product and Services
9.14.4 HORIBA NIR Transmission Grating Production, Price, Value, Gross Margin and Market Share (2021-2026)
9.14.5 HORIBA Recent Developments/Updates
9.14.6 HORIBA Competitive Strengths & Weaknesses
9.15 ZEISS
9.15.1 ZEISS Details
9.15.2 ZEISS Major Business
9.15.3 ZEISS NIR Transmission Grating Product and Services

+357 96 030922
info@marketpublishers.com

9.15.4 ZEISS NIR Transmission Grating Production, Price, Value, Gross Margin and Market Share (2021-2026)
9.15.5 ZEISS Recent Developments/Updates
9.15.6 ZEISS Competitive Strengths & Weaknesses
9.16 Torrent Photonics
9.16.1 Torrent Photonics Details
9.16.2 Torrent Photonics Major Business
9.16.3 Torrent Photonics NIR Transmission Grating Product and Services
9.16.4 Torrent Photonics NIR Transmission Grating Production, Price, Value, Gross Margin and Market Share (2021-2026)
9.16.5 Torrent Photonics Recent Developments/Updates
9.16.6 Torrent Photonics Competitive Strengths & Weaknesses
9.17 Knight Optical
9.17.1 Knight Optical Details
9.17.2 Knight Optical Major Business
9.17.3 Knight Optical NIR Transmission Grating Product and Services
9.17.4 Knight Optical NIR Transmission Grating Production, Price, Value, Gross Margin and Market Share (2021-2026)
9.17.5 Knight Optical Recent Developments/Updates
9.17.6 Knight Optical Competitive Strengths & Weaknesses
9.18 OPCO Laboratory
9.18.1 OPCO Laboratory Details
9.18.2 OPCO Laboratory Major Business
9.18.3 OPCO Laboratory NIR Transmission Grating Product and Services
9.18.4 OPCO Laboratory NIR Transmission Grating Production, Price, Value, Gross Margin and Market Share (2021-2026)
9.18.5 OPCO Laboratory Recent Developments/Updates
9.18.6 OPCO Laboratory Competitive Strengths & Weaknesses
9.19 OptiGrate
9.19.1 OptiGrate Details
9.19.2 OptiGrate Major Business
9.19.3 OptiGrate NIR Transmission Grating Product and Services
9.19.4 OptiGrate NIR Transmission Grating Production, Price, Value, Gross Margin and Market Share (2021-2026)
9.19.5 OptiGrate Recent Developments/Updates
9.19.6 OptiGrate Competitive Strengths & Weaknesses
9.20 Anhui Zhongke Grating Technology
9.20.1 Anhui Zhongke Grating Technology Details
9.20.2 Anhui Zhongke Grating Technology Major Business

+357 96 030922
info@marketpublishers.com

9.20.3 Anhui Zhongke Grating Technology NIR Transmission Grating Product and Services
9.20.4 Anhui Zhongke Grating Technology NIR Transmission Grating Production, Price, Value, Gross Margin and Market Share (2021-2026)
9.20.5 Anhui Zhongke Grating Technology Recent Developments/Updates
9.20.6 Anhui Zhongke Grating Technology Competitive Strengths & Weaknesses
9.21 CASTECH
9.21.1 CASTECH Details
9.21.2 CASTECH Major Business
9.21.3 CASTECH NIR Transmission Grating Product and Services
9.21.4 CASTECH NIR Transmission Grating Production, Price, Value, Gross Margin and Market Share (2021-2026)
9.21.5 CASTECH Recent Developments/Updates
9.21.6 CASTECH Competitive Strengths & Weaknesses
9.22 Qingxuankeji
9.22.1 Qingxuankeji Details
9.22.2 Qingxuankeji Major Business
9.22.3 Qingxuankeji NIR Transmission Grating Product and Services
9.22.4 Qingxuankeji NIR Transmission Grating Production, Price, Value, Gross Margin and Market Share (2021-2026)
9.22.5 Qingxuankeji Recent Developments/Updates
9.22.6 Qingxuankeji Competitive Strengths & Weaknesses

10 INDUSTRY CHAIN ANALYSIS

10.1 NIR Transmission Grating Industry Chain
10.2 NIR Transmission Grating Upstream Analysis
10.2.1 NIR Transmission Grating Core Raw Materials
10.2.2 Main Manufacturers of NIR Transmission Grating Core Raw Materials
10.3 Midstream Analysis
10.4 Downstream Analysis
10.5 NIR Transmission Grating Production Mode
10.6 NIR Transmission Grating Procurement Model
10.7 NIR Transmission Grating Industry Sales Model and Sales Channels
10.7.1 NIR Transmission Grating Sales Model
10.7.2 NIR Transmission Grating Typical Distributors

11 RESEARCH FINDINGS AND CONCLUSION

+357 96 030922
info@marketpublishers.com

12 APPENDIX

12.1 Methodology
12.2 Research Process and Data Source
12.3 Disclaimer

+357 96 030922
info@marketpublishers.com

List Of Tables

LIST OF TABLES

Table 1. World NIR Transmission Grating Production Value by Region (2021, 2025 and 2032) & (USD Million)
Table 2. World NIR Transmission Grating Production Value by Region (2021-2026) & (USD Million)
Table 3. World NIR Transmission Grating Production Value by Region (2027-2032) & (USD Million)
Table 4. World NIR Transmission Grating Production Value Market Share by Region (2021-2026)
Table 5. World NIR Transmission Grating Production Value Market Share by Region (2027-2032)
Table 6. World NIR Transmission Grating Production by Region (2021-2026) & (K Pcs)
Table 7. World NIR Transmission Grating Production by Region (2027-2032) & (K Pcs)
Table 8. World NIR Transmission Grating Production Market Share by Region (2021-2026)
Table 9. World NIR Transmission Grating Production Market Share by Region (2027-2032)
Table 10. World NIR Transmission Grating Average Price by Region (2021-2026) & (US$/Pcs)
Table 11. World NIR Transmission Grating Average Price by Region (2027-2032) & (US$/Pcs)
Table 12. NIR Transmission Grating Major Market Trends
Table 13. World NIR Transmission Grating Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (K Pcs)
Table 14. World NIR Transmission Grating Consumption by Region (2021-2026) & (K Pcs)
Table 15. World NIR Transmission Grating Consumption Forecast by Region (2027-2032) & (K Pcs)
Table 16. World NIR Transmission Grating Production Value by Manufacturer (2021-2026) & (USD Million)
Table 17. Production Value Market Share of Key NIR Transmission Grating Producers in 2025
Table 18. World NIR Transmission Grating Production by Manufacturer (2021-2026) & (K Pcs)
Table 19. Production Market Share of Key NIR Transmission Grating Producers in 2025
Table 20. World NIR Transmission Grating Average Price by Manufacturer (2021-2026)

+357 96 030922
info@marketpublishers.com

& (US$/Pcs)
Table 21. Global NIR Transmission Grating Company Evaluation Quadrant
Table 22. World NIR Transmission Grating Industry Rank of Major Manufacturers, Based on Production Value in 2025
Table 23. Head Office and NIR Transmission Grating Production Site of Key Manufacturer
Table 24. NIR Transmission Grating Market: Company Product Type Footprint
Table 25. NIR Transmission Grating Market: Company Product Application Footprint
Table 26. NIR Transmission Grating Competitive Factors
Table 27. NIR Transmission Grating New Entrant and Capacity Expansion Plans
Table 28. NIR Transmission Grating Mergers & Acquisitions Activity
Table 29. United States VS China NIR Transmission Grating Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)
Table 30. United States VS China NIR Transmission Grating Production Comparison, (2021 & 2025 & 2032) & (K Pcs)
Table 31. United States VS China NIR Transmission Grating Consumption Comparison, (2021 & 2025 & 2032) & (K Pcs)
Table 32. United States Based NIR Transmission Grating Manufacturers, Headquarters and Production Site (States, Country)
Table 33. United States Based Manufacturers NIR Transmission Grating Production Value, (2021-2026) & (USD Million)
Table 34. United States Based Manufacturers NIR Transmission Grating Production Value Market Share (2021-2026)
Table 35. United States Based Manufacturers NIR Transmission Grating Production (2021-2026) & (K Pcs)
Table 36. United States Based Manufacturers NIR Transmission Grating Production Market Share (2021-2026)
Table 37. China Based NIR Transmission Grating Manufacturers, Headquarters and Production Site (Province, Country)
Table 38. China Based Manufacturers NIR Transmission Grating Production Value, (2021-2026) & (USD Million)
Table 39. China Based Manufacturers NIR Transmission Grating Production Value Market Share (2021-2026)
Table 40. China Based Manufacturers NIR Transmission Grating Production, (2021-2026) & (K Pcs)
Table 41. China Based Manufacturers NIR Transmission Grating Production Market Share (2021-2026)
Table 42. Rest of World Based NIR Transmission Grating Manufacturers, Headquarters and Production Site (State, Country)

+357 96 030922
info@marketpublishers.com

Table 43. Rest of World Based Manufacturers NIR Transmission Grating Production Value, (2021-2026) & (USD Million)
Table 44. Rest of World Based Manufacturers NIR Transmission Grating Production Value Market Share (2021-2026)
Table 45. Rest of World Based Manufacturers NIR Transmission Grating Production, (2021-2026) & (K Pcs)
Table 46. Rest of World Based Manufacturers NIR Transmission Grating Production Market Share (2021-2026)
Table 47. World NIR Transmission Grating Production Value by Type, (USD Million), 2021 & 2025 & 2032
Table 48. World NIR Transmission Grating Production by Type (2021-2026) & (K Pcs)
Table 49. World NIR Transmission Grating Production by Type (2027-2032) & (K Pcs)
Table 50. World NIR Transmission Grating Production Value by Type (2021-2026) & (USD Million)
Table 51. World NIR Transmission Grating Production Value by Type (2027-2032) & (USD Million)
Table 52. World NIR Transmission Grating Average Price by Type (2021-2026) & (US$/Pcs)
Table 53. World NIR Transmission Grating Average Price by Type (2027-2032) & (US$/Pcs)
Table 54. World NIR Transmission Grating Production Value by Operating Wavelength, (USD Million), 2021 & 2025 & 2032
Table 55. World NIR Transmission Grating Production by Operating Wavelength (2021-2026) & (K Pcs)
Table 56. World NIR Transmission Grating Production by Operating Wavelength (2027-2032) & (K Pcs)
Table 57. World NIR Transmission Grating Production Value by Operating Wavelength (2021-2026) & (USD Million)
Table 58. World NIR Transmission Grating Production Value by Operating Wavelength (2027-2032) & (USD Million)
Table 59. World NIR Transmission Grating Average Price by Operating Wavelength (2021-2026) & (US$/Pcs)
Table 60. World NIR Transmission Grating Average Price by Operating Wavelength (2027-2032) & (US$/Pcs)
Table 61. World NIR Transmission Grating Production Value by Patterning Method, (USD Million), 2021 & 2025 & 2032
Table 62. World NIR Transmission Grating Production by Patterning Method (2021-2026) & (K Pcs)
Table 63. World NIR Transmission Grating Production by Patterning Method

+357 96 030922
info@marketpublishers.com

(2027-2032) & (K Pcs)
Table 64. World NIR Transmission Grating Production Value by Patterning Method (2021-2026) & (USD Million)
Table 65. World NIR Transmission Grating Production Value by Patterning Method (2027-2032) & (USD Million)
Table 66. World NIR Transmission Grating Average Price by Patterning Method (2021-2026) & (US$/Pcs)
Table 67. World NIR Transmission Grating Average Price by Patterning Method (2027-2032) & (US$/Pcs)
Table 68. World NIR Transmission Grating Production Value by Application, (USD Million), 2021 & 2025 & 2032
Table 69. World NIR Transmission Grating Production by Application (2021-2026) & (K Pcs)
Table 70. World NIR Transmission Grating Production by Application (2027-2032) & (K Pcs)
Table 71. World NIR Transmission Grating Production Value by Application (2021-2026) & (USD Million)
Table 72. World NIR Transmission Grating Production Value by Application (2027-2032) & (USD Million)
Table 73. World NIR Transmission Grating Average Price by Application (2021-2026) & (US$/Pcs)
Table 74. World NIR Transmission Grating Average Price by Application (2027-2032) & (US$/Pcs)
Table 75. Ibsen Photonics Basic Information, Manufacturing Base and Competitors
Table 76. Ibsen Photonics Major Business
Table 77. Ibsen Photonics NIR Transmission Grating Product and Services
Table 78. Ibsen Photonics NIR Transmission Grating Production (K Pcs), Price (US$/Pcs), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 79. Ibsen Photonics Recent Developments/Updates
Table 80. Ibsen Photonics Competitive Strengths & Weaknesses
Table 81. Wasatch Photonics Basic Information, Manufacturing Base and Competitors
Table 82. Wasatch Photonics Major Business
Table 83. Wasatch Photonics NIR Transmission Grating Product and Services
Table 84. Wasatch Photonics NIR Transmission Grating Production (K Pcs), Price (US$/Pcs), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 85. Wasatch Photonics Recent Developments/Updates
Table 86. Wasatch Photonics Competitive Strengths & Weaknesses

+357 96 030922
info@marketpublishers.com

Table 87. Thorlabs Basic Information, Manufacturing Base and Competitors
Table 88. Thorlabs Major Business
Table 89. Thorlabs NIR Transmission Grating Product and Services
Table 90. Thorlabs NIR Transmission Grating Production (K Pcs), Price (US$/Pcs), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 91. Thorlabs Recent Developments/Updates
Table 92. Thorlabs Competitive Strengths & Weaknesses
Table 93. Coherent Basic Information, Manufacturing Base and Competitors
Table 94. Coherent Major Business
Table 95. Coherent NIR Transmission Grating Product and Services
Table 96. Coherent NIR Transmission Grating Production (K Pcs), Price (US$/Pcs), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 97. Coherent Recent Developments/Updates
Table 98. Coherent Competitive Strengths & Weaknesses
Table 99. Gitterwerk Basic Information, Manufacturing Base and Competitors
Table 100. Gitterwerk Major Business
Table 101. Gitterwerk NIR Transmission Grating Product and Services
Table 102. Gitterwerk NIR Transmission Grating Production (K Pcs), Price (US$/Pcs), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 103. Gitterwerk Recent Developments/Updates
Table 104. Gitterwerk Competitive Strengths & Weaknesses
Table 105. MKS Basic Information, Manufacturing Base and Competitors
Table 106. MKS Major Business
Table 107. MKS NIR Transmission Grating Product and Services
Table 108. MKS NIR Transmission Grating Production (K Pcs), Price (US$/Pcs), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 109. MKS Recent Developments/Updates
Table 110. MKS Competitive Strengths & Weaknesses
Table 111. Holographix Basic Information, Manufacturing Base and Competitors
Table 112. Holographix Major Business
Table 113. Holographix NIR Transmission Grating Product and Services
Table 114. Holographix NIR Transmission Grating Production (K Pcs), Price (US$/Pcs), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 115. Holographix Recent Developments/Updates
Table 116. Holographix Competitive Strengths & Weaknesses
Table 117. AGC Basic Information, Manufacturing Base and Competitors
Table 118. AGC Major Business
Table 119. AGC NIR Transmission Grating Product and Services
Table 120. AGC NIR Transmission Grating Production (K Pcs), Price (US$/Pcs),

+357 96 030922
info@marketpublishers.com

Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 121. AGC Recent Developments/Updates
Table 122. AGC Competitive Strengths & Weaknesses
Table 123. Plymouth Grating Laboratory Basic Information, Manufacturing Base and Competitors
Table 124. Plymouth Grating Laboratory Major Business
Table 125. Plymouth Grating Laboratory NIR Transmission Grating Product and Services
Table 126. Plymouth Grating Laboratory NIR Transmission Grating Production (K Pcs), Price (US$/Pcs), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 127. Plymouth Grating Laboratory Recent Developments/Updates
Table 128. Plymouth Grating Laboratory Competitive Strengths & Weaknesses
Table 129. Optometrics Basic Information, Manufacturing Base and Competitors
Table 130. Optometrics Major Business
Table 131. Optometrics NIR Transmission Grating Product and Services
Table 132. Optometrics NIR Transmission Grating Production (K Pcs), Price (US$/Pcs), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 133. Optometrics Recent Developments/Updates
Table 134. Optometrics Competitive Strengths & Weaknesses
Table 135. Jenoptik Basic Information, Manufacturing Base and Competitors
Table 136. Jenoptik Major Business
Table 137. Jenoptik NIR Transmission Grating Product and Services
Table 138. Jenoptik NIR Transmission Grating Production (K Pcs), Price (US$/Pcs), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 139. Jenoptik Recent Developments/Updates
Table 140. Jenoptik Competitive Strengths & Weaknesses
Table 141. Ushio Basic Information, Manufacturing Base and Competitors
Table 142. Ushio Major Business
Table 143. Ushio NIR Transmission Grating Product and Services
Table 144. Ushio NIR Transmission Grating Production (K Pcs), Price (US$/Pcs), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 145. Ushio Recent Developments/Updates
Table 146. Ushio Competitive Strengths & Weaknesses
Table 147. Shimadzu Basic Information, Manufacturing Base and Competitors
Table 148. Shimadzu Major Business
Table 149. Shimadzu NIR Transmission Grating Product and Services
Table 150. Shimadzu NIR Transmission Grating Production (K Pcs), Price (US$/Pcs), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

+357 96 030922
info@marketpublishers.com

Table 151. Shimadzu Recent Developments/Updates
Table 152. Shimadzu Competitive Strengths & Weaknesses
Table 153. HORIBA Basic Information, Manufacturing Base and Competitors
Table 154. HORIBA Major Business
Table 155. HORIBA NIR Transmission Grating Product and Services
Table 156. HORIBA NIR Transmission Grating Production (K Pcs), Price (US$/Pcs), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 157. HORIBA Recent Developments/Updates
Table 158. HORIBA Competitive Strengths & Weaknesses
Table 159. ZEISS Basic Information, Manufacturing Base and Competitors
Table 160. ZEISS Major Business
Table 161. ZEISS NIR Transmission Grating Product and Services
Table 162. ZEISS NIR Transmission Grating Production (K Pcs), Price (US$/Pcs), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 163. ZEISS Recent Developments/Updates
Table 164. ZEISS Competitive Strengths & Weaknesses
Table 165. Torrent Photonics Basic Information, Manufacturing Base and Competitors
Table 166. Torrent Photonics Major Business
Table 167. Torrent Photonics NIR Transmission Grating Product and Services
Table 168. Torrent Photonics NIR Transmission Grating Production (K Pcs), Price (US$/Pcs), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 169. Torrent Photonics Recent Developments/Updates
Table 170. Torrent Photonics Competitive Strengths & Weaknesses
Table 171. Knight Optical Basic Information, Manufacturing Base and Competitors
Table 172. Knight Optical Major Business
Table 173. Knight Optical NIR Transmission Grating Product and Services
Table 174. Knight Optical NIR Transmission Grating Production (K Pcs), Price (US$/Pcs), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 175. Knight Optical Recent Developments/Updates
Table 176. Knight Optical Competitive Strengths & Weaknesses
Table 177. OPCO Laboratory Basic Information, Manufacturing Base and Competitors
Table 178. OPCO Laboratory Major Business
Table 179. OPCO Laboratory NIR Transmission Grating Product and Services
Table 180. OPCO Laboratory NIR Transmission Grating Production (K Pcs), Price (US$/Pcs), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 181. OPCO Laboratory Recent Developments/Updates

+357 96 030922
info@marketpublishers.com

Table 182. OPCO Laboratory Competitive Strengths & Weaknesses
Table 183. OptiGrate Basic Information, Manufacturing Base and Competitors
Table 184. OptiGrate Major Business
Table 185. OptiGrate NIR Transmission Grating Product and Services
Table 186. OptiGrate NIR Transmission Grating Production (K Pcs), Price (US$/Pcs), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 187. OptiGrate Recent Developments/Updates
Table 188. OptiGrate Competitive Strengths & Weaknesses
Table 189. Anhui Zhongke Grating Technology Basic Information, Manufacturing Base and Competitors
Table 190. Anhui Zhongke Grating Technology Major Business
Table 191. Anhui Zhongke Grating Technology NIR Transmission Grating Product and Services
Table 192. Anhui Zhongke Grating Technology NIR Transmission Grating Production (K Pcs), Price (US$/Pcs), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 193. Anhui Zhongke Grating Technology Recent Developments/Updates
Table 194. Anhui Zhongke Grating Technology Competitive Strengths & Weaknesses
Table 195. CASTECH Basic Information, Manufacturing Base and Competitors
Table 196. CASTECH Major Business
Table 197. CASTECH NIR Transmission Grating Product and Services
Table 198. CASTECH NIR Transmission Grating Production (K Pcs), Price (US$/Pcs), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 199. CASTECH Recent Developments/Updates
Table 200. CASTECH Competitive Strengths & Weaknesses
Table 201. Qingxuankeji Basic Information, Manufacturing Base and Competitors
Table 202. Qingxuankeji Major Business
Table 203. Qingxuankeji NIR Transmission Grating Product and Services
Table 204. Qingxuankeji NIR Transmission Grating Production (K Pcs), Price (US$/Pcs), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 205. Qingxuankeji Recent Developments/Updates
Table 206. Qingxuankeji Competitive Strengths & Weaknesses
Table 207. Global Key Players of NIR Transmission Grating Upstream (Raw Materials)
Table 208. Global NIR Transmission Grating Typical Customers
Table 209. NIR Transmission Grating Typical Distributors

+357 96 030922
info@marketpublishers.com

List Of Figures

LIST OF FIGURES

Figure 1. NIR Transmission Grating Picture
Figure 2. World NIR Transmission Grating Production Value: 2021 & 2025 & 2032, (USD Million)
Figure 3. World NIR Transmission Grating Production Value and Forecast (2021-2032) & (USD Million)
Figure 4. World NIR Transmission Grating Production (2021-2032) & (K Pcs)
Figure 5. World NIR Transmission Grating Average Price (2021-2032) & (US$/Pcs)
Figure 6. World NIR Transmission Grating Production Value Market Share by Region (2021-2032)
Figure 7. World NIR Transmission Grating Production Market Share by Region (2021-2032)
Figure 8. North America NIR Transmission Grating Production (2021-2032) & (K Pcs)
Figure 9. Europe NIR Transmission Grating Production (2021-2032) & (K Pcs)
Figure 10. China NIR Transmission Grating Production (2021-2032) & (K Pcs)
Figure 11. Japan NIR Transmission Grating Production (2021-2032) & (K Pcs)
Figure 12. NIR Transmission Grating Market Drivers
Figure 13. Factors Affecting Demand
Figure 14. World NIR Transmission Grating Consumption (2021-2032) & (K Pcs)
Figure 15. World NIR Transmission Grating Consumption Market Share by Region (2021-2032)
Figure 16. United States NIR Transmission Grating Consumption (2021-2032) & (K Pcs)
Figure 17. China NIR Transmission Grating Consumption (2021-2032) & (K Pcs)
Figure 18. Europe NIR Transmission Grating Consumption (2021-2032) & (K Pcs)
Figure 19. Japan NIR Transmission Grating Consumption (2021-2032) & (K Pcs)
Figure 20. South Korea NIR Transmission Grating Consumption (2021-2032) & (K Pcs)
Figure 21. ASEAN NIR Transmission Grating Consumption (2021-2032) & (K Pcs)
Figure 22. India NIR Transmission Grating Consumption (2021-2032) & (K Pcs)
Figure 23. Producer Shipments of NIR Transmission Grating by Manufacturer Revenue ($MM) and Market Share (%): 2025
Figure 24. Global Four-firm Concentration Ratios (CR4) for NIR Transmission Grating Markets in 2025
Figure 25. Global Four-firm Concentration Ratios (CR8) for NIR Transmission Grating Markets in 2025
Figure 26. United States VS China: NIR Transmission Grating Production Value Market Share Comparison (2021 & 2025 & 2032)

+357 96 030922
info@marketpublishers.com

Figure 27. United States VS China: NIR Transmission Grating Production Market Share Comparison (2021 & 2025 & 2032)
Figure 28. United States VS China: NIR Transmission Grating Consumption Market Share Comparison (2021 & 2025 & 2032)
Figure 29. United States Based Manufacturers NIR Transmission Grating Production Market Share 2025
Figure 30. China Based Manufacturers NIR Transmission Grating Production Market Share 2025
Figure 31. Rest of World Based Manufacturers NIR Transmission Grating Production Market Share 2025
Figure 32. World NIR Transmission Grating Production Value by Type, (USD Million), 2021 & 2025 & 2032
Figure 33. World NIR Transmission Grating Production Value Market Share by Type in 2025
Figure 34. Surface-Relief Transmission Grating
Figure 35. Volume Holographic Transmission Grating
Figure 36. World NIR Transmission Grating Production Market Share by Type (2021-2032)
Figure 37. World NIR Transmission Grating Production Value Market Share by Type (2021-2032)
Figure 38. World NIR Transmission Grating Average Price by Type (2021-2032) & (US$/Pcs)
Figure 39. World NIR Transmission Grating Production Value by Operating Wavelength, (USD Million), 2021 & 2025 & 2032
Figure 40. World NIR Transmission Grating Production Value Market Share by Operating Wavelength in 2025
Figure 41. 700–<1000 nm
Figure 42. 1000–<1700 nm
Figure 43. 1700–2500 nm
Figure 44. World NIR Transmission Grating Production Market Share by Operating Wavelength (2021-2032)
Figure 45. World NIR Transmission Grating Production Value Market Share by Operating Wavelength (2021-2032)
Figure 46. World NIR Transmission Grating Average Price by Operating Wavelength (2021-2032) & (US$/Pcs)
Figure 47. World NIR Transmission Grating Production Value by Patterning Method, (USD Million), 2021 & 2025 & 2032
Figure 48. World NIR Transmission Grating Production Value Market Share by Patterning Method in 2025

+357 96 030922
info@marketpublishers.com

Figure 49. Mechanically Ruled Type
Figure 50. Holographically Recorded Type
Figure 51. Lithographically Patterned Type
Figure 52. World NIR Transmission Grating Production Market Share by Patterning Method (2021-2032)
Figure 53. World NIR Transmission Grating Production Value Market Share by Patterning Method (2021-2032)
Figure 54. World NIR Transmission Grating Average Price by Patterning Method (2021-2032) & (US$/Pcs)
Figure 55. World NIR Transmission Grating Production Value by Application, (USD Million), 2021 & 2025 & 2032
Figure 56. World NIR Transmission Grating Production Value Market Share by Application in 2025
Figure 57. Spectroscopy and Scientific Instruments
Figure 58. Laser Systems
Figure 59. Optical Communications
Figure 60. Imaging and Sensing
Figure 61. Other
Figure 62. World NIR Transmission Grating Production Market Share by Application (2021-2032)
Figure 63. World NIR Transmission Grating Production Value Market Share by Application (2021-2032)
Figure 64. World NIR Transmission Grating Average Price by Application (2021-2032) & (US$/Pcs)
Figure 65. NIR Transmission Grating Industry Chain
Figure 66. NIR Transmission Grating Procurement Model
Figure 67. NIR Transmission Grating Sales Model
Figure 68. NIR Transmission Grating Sales Channels, Direct Sales, and Distribution
Figure 69. Methodology
Figure 70. Research Process and Data Source

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: Global NIR Transmission Grating Supply, Demand and Key Producers, 2026-2032

Product link: https://marketpublishers.com/r/GB6B44CE731DEN.html

Price: US$ 4,480.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:
info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/GB6B44CE731DEN.html