

Global Etched Grating Code Disc Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global Etched Grating Code Disc market size was valued at US\$ million in 2024 and is forecast to a readjusted size of USD million by 2031 with a CAGR of %during review period.

In this report, we will assess the current U.S. tariff framework alongside international policy adaptations, analyzing their effects on competitive market structures, regional economic dynamics, and supply chain resilience.

The code disk (grating disk) is a circular plate with a certain diameter and a number of rectangular holes are opened in equal parts. Since the photoelectric code disk is coaxial with the motor, when the motor rotates, the code disk (grating code disk) rotates at the same speed as the motor, and the detection device composed of electronic components such as light-emitting diodes detects and outputs a number of pulse signals. The principle is that the number of pulses output by the photoelectric encoder per second can reflect the current motor speed.

This report is a detailed and comprehensive analysis for global Etched Grating Code Disc market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Etched Grating Code Disc market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Etched Grating Code Disc market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Etched Grating Code Disc market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Etched Grating Code Disc market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2020-2025

The Primary Objectives in This Report Are:

- To determine the size of the total market opportunity of global and key countries
- To assess the growth potential for Etched Grating Code Disc
- To forecast future growth in each product and end-use market
- To assess competitive factors affecting the marketplace

This report profiles key players in the global Etched Grating Code Disc market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Renishaw, Tecan, DNP, Nantong Zhoulida Metal Technology, Sinclux Nano(Sichuan), Dongguan Kuanghe, Shenzhen Yaodafa, Dongguan Hongcheng, CPG Optics, etc.

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

Market Segmentation

Etched Grating Code Disc market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Glass Material

Metal Material

Composite Material

Other

Market segment by Application

Motor

Encoder

Toy Hardware

Computer Accessories

Other

Major players covered

Renishaw

Tecan

DNP

Nantong Zhoulida Metal Technology

Sinclux Nano(Sichuan)

Dongguan Kuanghe

Shenzhen Yaodafa

Dongguan Hongcheng

CPG Optics

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Etched Grating Code Disc product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Etched Grating Code Disc, with price, sales quantity, revenue, and global market share of Etched Grating Code Disc from 2020 to 2025.

Chapter 3, the Etched Grating Code Disc competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Etched Grating Code Disc breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2020 to 2025. and Etched Grating Code Disc market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Etched Grating Code Disc.

Chapter 14 and 15, to describe Etched Grating Code Disc sales channel, distributors, customers, research findings and conclusion.

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