

Global Grating Scale Displacement Sensor 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 Grating Scale Displacement Sensor 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.

The grating ruler displacement sensor is a measurement feedback device that uses the optical principle of the grating to work. Grating ruler displacement sensor is often used in the closed-loop servo system of CNC machine tools, and can be used for the detection of linear displacement or angular displacement. The measurement output signal is a digital pulse, which has the characteristics of large detection range, high detection accuracy and fast response speed.

According to the survey and statistics of the company's 'Semiconductor Research Center', the global sales of semiconductor manufacturing equipment will reach US\$109 billion in 2022, reaching a record high, an increase of 5.6% from US\$103.2 billion in 2021. In recent years, the development process of the semiconductor industry has been further accelerated, and the performance of the semiconductor equipment segment is more flexible than the overall industry, and the development prospects are good.

This report is a detailed and comprehensive analysis for global Grating Scale Displacement Sensor 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 Grating Scale Displacement Sensor market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Grating Scale Displacement Sensor 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 Grating Scale Displacement Sensor 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 Grating Scale Displacement Sensor 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 Grating Scale Displacement Sensor

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 Grating Scale Displacement Sensor 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, Mitutoyo, TR-Electronic GmbH, Precizika, MicroE, Givi Misure, Elbo Controlli Srl, Sino, SOXIN, Oussin, etc.

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

Market Segmentation

Grating Scale Displacement Sensor 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

Transmission Grating

Reflective Grating

Market segment by Application

Machining Center

ILthe

Semiconductor

Others

Major players covered

Renishaw

Mitutoyo

TR-Electronic GmbH

Precizika

MicroE

Givi Misure

Elbo Controlli Srl

Sino

SOXIN

Oussin

CDD

ATEK

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 Grating Scale Displacement Sensor product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Grating Scale Displacement Sensor, with price, sales quantity, revenue, and global market share of Grating Scale Displacement Sensor from 2020 to 2025.

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

Chapter 4, the Grating Scale Displacement Sensor 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 Grating Scale Displacement Sensor 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 Grating Scale Displacement Sensor.

Chapter 14 and 15, to describe Grating Scale Displacement Sensor sales channel, distributors, customers, research findings and conclusion.

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