

# Global Optical Shaft Measuring Gauge Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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## Abstracts

According to our (Global Info Research) latest study, the global Optical Shaft Measuring Gauge market size was valued at US\$ 478 million in 2025 and is forecast to a readjusted size of US\$ 726 million by 2032 with a CAGR of 6.1% during review period.

Optical shaft measuring instruments are high-precision dimensional inspection devices, primarily used to measure the diameter, roundness, straightness, coaxiality, and runout of shafts and cylindrical components. Based on non-contact measurement principles such as telecentric optical imaging and edge recognition, these instruments offer advantages such as high measurement accuracy, good repeatability, and no damage to the workpiece surface. They are widely used in quality control and online inspection scenarios during manufacturing processes. The upstream of the industry chain includes optical lenses, image sensors, precision mechanical structures, light sources, and measurement software algorithms; the midstream covers complete machine integration, system assembly, calibration, and performance testing; downstream applications are mainly concentrated in the automotive, aerospace, machinery manufacturing, bearing, motor, and precision component manufacturing sectors, with after-sales maintenance and metrological calibration services provided. In 2025, the global production volume of optical shaft measuring instruments was approximately 56,700 units, with an average selling price of approximately US\$8,200 per unit. The gross profit margin of major manufacturers in the industry ranged from approximately 38% to 55%. In 2025, the global production capacity of optical shaft measuring instruments was approximately 71,000 units.

The optical shaft measuring gauge market is driven by the growing demand for high-precision and automated inspection in modern manufacturing. Industries such as

automotive, electric motors, and precision machinery increasingly rely on non-contact measurement to improve efficiency and reduce human error. The shift toward smart factories and in-line quality control further supports adoption. Advances in optical resolution, software algorithms, and system integration enhance measurement speed and accuracy. As manufacturers pursue higher dimensional consistency and stricter tolerance control, the global market for optical shaft measuring gauges is expected to maintain steady growth.

This report is a detailed and comprehensive analysis for global Optical Shaft Measuring Gauge 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 Optical Shaft Measuring Gauge market size and forecasts, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2021-2032

Global Optical Shaft Measuring Gauge market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2021-2032

Global Optical Shaft Measuring Gauge market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2021-2032

Global Optical Shaft Measuring Gauge market shares of main players, shipments in revenue (\$ Million), sales quantity (Units), and ASP (US\$/Unit), 2021-2026

### **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 Optical Shaft Measuring Gauge
- 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 Optical Shaft Measuring Gauge 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 VICIVISION, Tokyo Seimitsu, OGP( Quality Vision International Inc), Jenoptik, Riftek, Hommel Etamic, Accretech, Cyber Technologies, Taylor Hobson, CGK Gage, etc.

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

## **Market Segmentation**

Optical Shaft Measuring Gauge market is split by Type and by Application. For the period 2021-2032, 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

Fully Automatic Optical Shaft Measuring System

Semi-Automatic Optical Shaft Measuring System

### Market segment by Functionality

Diameter & Length Measurement

Roundness & Cylindricity Measurement

Coaxiality & Straightness Measurement

Runout & Taper Measurement

### Market segment by Structure Type

Bench-top Optical Shaft Gauge

## Portable Optical Measuring Gauge

### Market segment by Application

Electronic and Semiconductor

Mechanical Products

Automotive Industry

Others

### Major players covered

VICIVISION

Tokyo Seimitsu

OGP( Quality Vision International Inc)

Jenoptik

Riftek

Hommel Etamic

Accretech

Cyber Technologies

Taylor Hobson

CGK Gage

Keyence

Zeiss

Alicona

Mitutoyo

Mahr Metrology

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 Optical Shaft Measuring Gauge product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Optical Shaft Measuring Gauge, with price, sales quantity, revenue, and global market share of Optical Shaft Measuring Gauge from 2021 to 2026.

Chapter 3, the Optical Shaft Measuring Gauge competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Optical Shaft Measuring Gauge breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

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 2021 to 2032.

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 2021 to 2026. and Optical Shaft Measuring Gauge market forecast, by regions, by Type, and

by Application, with sales and revenue, from 2027 to 2032.

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 Optical Shaft Measuring Gauge.

Chapter 14 and 15, to describe Optical Shaft Measuring Gauge sales channel, distributors, customers, research findings and conclusion.

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