

Global Tracking-type 3D Optical Pen Measurement System Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/GB6D840D87D9EN.html>

Date: July 2026

Pages: 105

Price: US\$ 4,480.00 (Single User License)

ID: GB6D840D87D9EN

Abstracts

The global Tracking-type 3D Optical Pen Measurement System market size is expected to reach \$ 177 million by 2032, rising at a market growth of 7.0% CAGR during the forecast period (2026-2032).

In 2025, global sales of Tracking-type 3D Optical Pen Measurement System reached approximately 1,500?1,650 units, with an average market price of about USD 64000?70000 unit, an annual production capacity of roughly 1,800?1,950 units, and an industry-average gross margin of approximately 40%.

A Tracking-type 3D Optical Pen Measurement System is a portable industrial metrology system designed for shop-floor and in-situ dimensional inspection. It typically integrates an optical tracker or camera-based tracking unit, a handheld light pen or wireless tactile probe, ruby-ball styli, reference targets, computing hardware and metrology software. By using optical tracking, photogrammetry, infrared target recognition or six-degree-of-freedom pose calculation, the system determines the spatial position and orientation of the handheld probe and converts each probe contact into accurate 3D coordinate data. The system is primarily used for dimensional inspection, GD&T verification, fixture adjustment, benchmark marking, large-part assembly, reverse engineering and production-site quality control. This study focuses on portable optical CMMs, optical tracking probe systems, light-pen-type coordinate measuring systems and reverse-positioning CMMs used in industrial measurement environments.

This report studies the global Tracking-type 3D Optical Pen Measurement System production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Tracking-type 3D Optical Pen Measurement System and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Tracking-type 3D Optical Pen Measurement System that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Tracking-type 3D Optical Pen Measurement System total production and demand, 2021-2032, (Units)

Global Tracking-type 3D Optical Pen Measurement System total production value, 2021-2032, (USD Million)

Global Tracking-type 3D Optical Pen Measurement System production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Units), (based on production site)

Global Tracking-type 3D Optical Pen Measurement System consumption by region & country, CAGR, 2021-2032 & (Units)

U.S. VS China: Tracking-type 3D Optical Pen Measurement System domestic production, consumption, key domestic manufacturers and share

Global Tracking-type 3D Optical Pen Measurement System production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Units)

Global Tracking-type 3D Optical Pen Measurement System production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Units)

Global Tracking-type 3D Optical Pen Measurement System production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Units)

This report profiles key players in the global Tracking-type 3D Optical Pen Measurement System 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 AMETEK, KEYENCE CORPORATION, Metronor AS, Hexagon AB, SCANTECH (HANGZHOU) CO., LTD., Automated Precision Inc., SHINING 3D Tech Co., Ltd., Polyga Inc., ZG TECHNOLOGY CO., LTD., etc.

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 Tracking-type 3D Optical Pen Measurement System market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Units) and average price (US\$/Unit) 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 Tracking-type 3D Optical Pen Measurement System Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Tracking-type 3D Optical Pen Measurement System Market, Segmentation by Type:

Tactile Point Measurement

Tactile Scanning Probing

Global Tracking-type 3D Optical Pen Measurement System Market, Segmentation by Technology:

Infrared LED Tracking

Photogrammetry-based Tracking

Global Tracking-type 3D Optical Pen Measurement System Market, Segmentation by Application:

Aerospace

Automotive

Rail and Shipbuilding

Others

Companies Profiled:

AMETEK

KEYENCE CORPORATION

Metronor AS

Hexagon AB

SCANTECH (HANGZHOU) CO., LTD.

Automated Precision Inc.

SHINING 3D Tech Co., Ltd.

Polyga Inc.

ZG TECHNOLOGY CO., LTD.

Key Questions Answered:

1. How big is the global Tracking-type 3D Optical Pen Measurement System market?
2. What is the demand of the global Tracking-type 3D Optical Pen Measurement System market?
3. What is the year over year growth of the global Tracking-type 3D Optical Pen Measurement System market?
4. What is the production and production value of the global Tracking-type 3D Optical Pen Measurement System market?
5. Who are the key producers in the global Tracking-type 3D Optical Pen Measurement System market?
6. What are the growth factors driving the market demand?

Contents

1 SUPPLY SUMMARY

- 1.1 Tracking-type 3D Optical Pen Measurement System Introduction
- 1.2 World Tracking-type 3D Optical Pen Measurement System Supply & Forecast
 - 1.2.1 World Tracking-type 3D Optical Pen Measurement System Production Value (2021 & 2025 & 2032)
 - 1.2.2 World Tracking-type 3D Optical Pen Measurement System Production (2021-2032)
 - 1.2.3 World Tracking-type 3D Optical Pen Measurement System Pricing Trends (2021-2032)
- 1.3 World Tracking-type 3D Optical Pen Measurement System Production by Region (Based on Production Site)
 - 1.3.1 World Tracking-type 3D Optical Pen Measurement System Production Value by Region (2021-2032)
 - 1.3.2 World Tracking-type 3D Optical Pen Measurement System Production by Region (2021-2032)
 - 1.3.3 World Tracking-type 3D Optical Pen Measurement System Average Price by Region (2021-2032)
 - 1.3.4 North America Tracking-type 3D Optical Pen Measurement System Production (2021-2032)
 - 1.3.5 Europe Tracking-type 3D Optical Pen Measurement System Production (2021-2032)
 - 1.3.6 China Tracking-type 3D Optical Pen Measurement System Production (2021-2032)
 - 1.3.7 Japan Tracking-type 3D Optical Pen Measurement System Production (2021-2032)
- 1.4 Market Drivers, Restraints and Trends
 - 1.4.1 Tracking-type 3D Optical Pen Measurement System Market Drivers
 - 1.4.2 Factors Affecting Demand
 - 1.4.3 Tracking-type 3D Optical Pen Measurement System Major Market Trends

2 DEMAND SUMMARY

- 2.1 World Tracking-type 3D Optical Pen Measurement System Demand (2021-2032)
- 2.2 World Tracking-type 3D Optical Pen Measurement System Consumption by Region
 - 2.2.1 World Tracking-type 3D Optical Pen Measurement System Consumption by Region (2021-2026)

2.2.2 World Tracking-type 3D Optical Pen Measurement System Consumption
Forecast by Region (2027-2032)

2.3 United States Tracking-type 3D Optical Pen Measurement System Consumption
(2021-2032)

2.4 China Tracking-type 3D Optical Pen Measurement System Consumption
(2021-2032)

2.5 Europe Tracking-type 3D Optical Pen Measurement System Consumption
(2021-2032)

2.6 Japan Tracking-type 3D Optical Pen Measurement System Consumption
(2021-2032)

2.7 South Korea Tracking-type 3D Optical Pen Measurement System Consumption
(2021-2032)

2.8 ASEAN Tracking-type 3D Optical Pen Measurement System Consumption
(2021-2032)

2.9 India Tracking-type 3D Optical Pen Measurement System Consumption
(2021-2032)

3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS

3.1 World Tracking-type 3D Optical Pen Measurement System Production Value by
Manufacturer (2021-2026)

3.2 World Tracking-type 3D Optical Pen Measurement System Production by
Manufacturer (2021-2026)

3.3 World Tracking-type 3D Optical Pen Measurement System Average Price by
Manufacturer (2021-2026)

3.4 Tracking-type 3D Optical Pen Measurement System Company Evaluation Quadrant

3.5 Industry Rank and Concentration Rate (CR)

3.5.1 Global Tracking-type 3D Optical Pen Measurement System Industry Rank of
Major Manufacturers

3.5.2 Global Concentration Ratios (CR4) for Tracking-type 3D Optical Pen
Measurement System in 2025

3.5.3 Global Concentration Ratios (CR8) for Tracking-type 3D Optical Pen
Measurement System in 2025

3.6 Tracking-type 3D Optical Pen Measurement System Market: Overall Company
Footprint Analysis

3.6.1 Tracking-type 3D Optical Pen Measurement System Market: Region Footprint

3.6.2 Tracking-type 3D Optical Pen Measurement System Market: Company Product
Type Footprint

3.6.3 Tracking-type 3D Optical Pen Measurement System 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: Tracking-type 3D Optical Pen Measurement System
Production Value Comparison

4.1.1 United States VS China: Tracking-type 3D Optical Pen Measurement System
Production Value Comparison (2021 & 2025 & 2032)

4.1.2 United States VS China: Tracking-type 3D Optical Pen Measurement System
Production Value Market Share Comparison (2021 & 2025 & 2032)

4.2 United States VS China: Tracking-type 3D Optical Pen Measurement System
Production Comparison

4.2.1 United States VS China: Tracking-type 3D Optical Pen Measurement System
Production Comparison (2021 & 2025 & 2032)

4.2.2 United States VS China: Tracking-type 3D Optical Pen Measurement System
Production Market Share Comparison (2021 & 2025 & 2032)

4.3 United States VS China: Tracking-type 3D Optical Pen Measurement System
Consumption Comparison

4.3.1 United States VS China: Tracking-type 3D Optical Pen Measurement System
Consumption Comparison (2021 & 2025 & 2032)

4.3.2 United States VS China: Tracking-type 3D Optical Pen Measurement System
Consumption Market Share Comparison (2021 & 2025 & 2032)

4.4 United States Based Tracking-type 3D Optical Pen Measurement System
Manufacturers and Market Share, 2021-2026

4.4.1 United States Based Tracking-type 3D Optical Pen Measurement System
Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers Tracking-type 3D Optical Pen Measurement
System Production Value (2021-2026)

4.4.3 United States Based Manufacturers Tracking-type 3D Optical Pen Measurement
System Production (2021-2026)

4.5 China Based Tracking-type 3D Optical Pen Measurement System Manufacturers
and Market Share

4.5.1 China Based Tracking-type 3D Optical Pen Measurement System

Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Tracking-type 3D Optical Pen Measurement System
Production Value (2021-2026)

4.5.3 China Based Manufacturers Tracking-type 3D Optical Pen Measurement System
Production (2021-2026)

4.6 Rest of World Based Tracking-type 3D Optical Pen Measurement System
Manufacturers and Market Share, 2021-2026

4.6.1 Rest of World Based Tracking-type 3D Optical Pen Measurement System
Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers Tracking-type 3D Optical Pen Measurement
System Production Value (2021-2026)

4.6.3 Rest of World Based Manufacturers Tracking-type 3D Optical Pen Measurement
System Production (2021-2026)

5 MARKET ANALYSIS BY TYPE

5.1 World Tracking-type 3D Optical Pen Measurement System Market Size Overview by
Type: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 Tactile Point Measurement

5.2.2 Tactile Scanning Probing

5.3 Market Segment by Type

5.3.1 World Tracking-type 3D Optical Pen Measurement System Production by Type
(2021-2032)

5.3.2 World Tracking-type 3D Optical Pen Measurement System Production Value by
Type (2021-2032)

5.3.3 World Tracking-type 3D Optical Pen Measurement System Average Price by
Type (2021-2032)

6 MARKET ANALYSIS BY TECHNOLOGY

6.1 World Tracking-type 3D Optical Pen Measurement System Market Size Overview by
Technology: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Technology

6.2.1 Infrared LED Tracking

6.2.2 Photogrammetry-based Tracking

6.3 Market Segment by Technology

6.3.1 World Tracking-type 3D Optical Pen Measurement System Production by
Technology (2021-2032)

6.3.2 World Tracking-type 3D Optical Pen Measurement System Production Value by Technology (2021-2032)

6.3.3 World Tracking-type 3D Optical Pen Measurement System Average Price by Technology (2021-2032)

7 MARKET ANALYSIS BY APPLICATION

7.1 World Tracking-type 3D Optical Pen Measurement System Market Size Overview by Application: 2021 VS 2025 VS 2032

7.2 Segment Introduction by Application

7.2.1 Aerospace

7.2.2 Automotive

7.2.3 Rail and Shipbuilding

7.2.4 Others

7.3 Market Segment by Application

7.3.1 World Tracking-type 3D Optical Pen Measurement System Production by Application (2021-2032)

7.3.2 World Tracking-type 3D Optical Pen Measurement System Production Value by Application (2021-2032)

7.3.3 World Tracking-type 3D Optical Pen Measurement System Average Price by Application (2021-2032)

8 COMPANY PROFILES

8.1 AMETEK

8.1.1 AMETEK Details

8.1.2 AMETEK Major Business

8.1.3 AMETEK Tracking-type 3D Optical Pen Measurement System Product and Services

8.1.4 AMETEK Tracking-type 3D Optical Pen Measurement System Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.1.5 AMETEK Recent Developments/Updates

8.1.6 AMETEK Competitive Strengths & Weaknesses

8.2 KEYENCE CORPORATION

8.2.1 KEYENCE CORPORATION Details

8.2.2 KEYENCE CORPORATION Major Business

8.2.3 KEYENCE CORPORATION Tracking-type 3D Optical Pen Measurement System Product and Services

8.2.4 KEYENCE CORPORATION Tracking-type 3D Optical Pen Measurement System

Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.2.5 KEYENCE CORPORATION Recent Developments/Updates

8.2.6 KEYENCE CORPORATION Competitive Strengths & Weaknesses

8.3 Metronor AS

8.3.1 Metronor AS Details

8.3.2 Metronor AS Major Business

8.3.3 Metronor AS Tracking-type 3D Optical Pen Measurement System Product and Services

8.3.4 Metronor AS Tracking-type 3D Optical Pen Measurement System Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.3.5 Metronor AS Recent Developments/Updates

8.3.6 Metronor AS Competitive Strengths & Weaknesses

8.4 Hexagon AB

8.4.1 Hexagon AB Details

8.4.2 Hexagon AB Major Business

8.4.3 Hexagon AB Tracking-type 3D Optical Pen Measurement System Product and Services

8.4.4 Hexagon AB Tracking-type 3D Optical Pen Measurement System Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.4.5 Hexagon AB Recent Developments/Updates

8.4.6 Hexagon AB Competitive Strengths & Weaknesses

8.5 SCANTECH (HANGZHOU) CO., LTD.

8.5.1 SCANTECH (HANGZHOU) CO., LTD. Details

8.5.2 SCANTECH (HANGZHOU) CO., LTD. Major Business

8.5.3 SCANTECH (HANGZHOU) CO., LTD. Tracking-type 3D Optical Pen Measurement System Product and Services

8.5.4 SCANTECH (HANGZHOU) CO., LTD. Tracking-type 3D Optical Pen Measurement System Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.5.5 SCANTECH (HANGZHOU) CO., LTD. Recent Developments/Updates

8.5.6 SCANTECH (HANGZHOU) CO., LTD. Competitive Strengths & Weaknesses

8.6 Automated Precision Inc.

8.6.1 Automated Precision Inc. Details

8.6.2 Automated Precision Inc. Major Business

8.6.3 Automated Precision Inc. Tracking-type 3D Optical Pen Measurement System Product and Services

8.6.4 Automated Precision Inc. Tracking-type 3D Optical Pen Measurement System Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.6.5 Automated Precision Inc. Recent Developments/Updates

8.6.6 Automated Precision Inc. Competitive Strengths & Weaknesses

8.7 SHINING 3D Tech Co., Ltd.

8.7.1 SHINING 3D Tech Co., Ltd. Details

8.7.2 SHINING 3D Tech Co., Ltd. Major Business

8.7.3 SHINING 3D Tech Co., Ltd. Tracking-type 3D Optical Pen Measurement System Product and Services

8.7.4 SHINING 3D Tech Co., Ltd. Tracking-type 3D Optical Pen Measurement System Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.7.5 SHINING 3D Tech Co., Ltd. Recent Developments/Updates

8.7.6 SHINING 3D Tech Co., Ltd. Competitive Strengths & Weaknesses

8.8 Polyga Inc.

8.8.1 Polyga Inc. Details

8.8.2 Polyga Inc. Major Business

8.8.3 Polyga Inc. Tracking-type 3D Optical Pen Measurement System Product and Services

8.8.4 Polyga Inc. Tracking-type 3D Optical Pen Measurement System Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.8.5 Polyga Inc. Recent Developments/Updates

8.8.6 Polyga Inc. Competitive Strengths & Weaknesses

8.9 ZG TECHNOLOGY CO., LTD.

8.9.1 ZG TECHNOLOGY CO., LTD. Details

8.9.2 ZG TECHNOLOGY CO., LTD. Major Business

8.9.3 ZG TECHNOLOGY CO., LTD. Tracking-type 3D Optical Pen Measurement System Product and Services

8.9.4 ZG TECHNOLOGY CO., LTD. Tracking-type 3D Optical Pen Measurement System Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.9.5 ZG TECHNOLOGY CO., LTD. Recent Developments/Updates

8.9.6 ZG TECHNOLOGY CO., LTD. Competitive Strengths & Weaknesses

9 INDUSTRY CHAIN ANALYSIS

9.1 Tracking-type 3D Optical Pen Measurement System Industry Chain

9.2 Tracking-type 3D Optical Pen Measurement System Upstream Analysis

9.2.1 Tracking-type 3D Optical Pen Measurement System Core Raw Materials

9.2.2 Main Manufacturers of Tracking-type 3D Optical Pen Measurement System Core Raw Materials

9.3 Midstream Analysis

9.4 Downstream Analysis

9.5 Tracking-type 3D Optical Pen Measurement System Production Mode

- 9.6 Tracking-type 3D Optical Pen Measurement System Procurement Model
- 9.7 Tracking-type 3D Optical Pen Measurement System Industry Sales Model and Sales Channels
 - 9.7.1 Tracking-type 3D Optical Pen Measurement System Sales Model
 - 9.7.2 Tracking-type 3D Optical Pen Measurement System Typical Distributors

10 RESEARCH FINDINGS AND CONCLUSION

11 APPENDIX

- 11.1 Methodology
- 11.2 Research Process and Data Source
- 11.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. World Tracking-type 3D Optical Pen Measurement System Production Value by Region (2021, 2025 and 2032) & (USD Million)

Table 2. World Tracking-type 3D Optical Pen Measurement System Production Value by Region (2021-2026) & (USD Million)

Table 3. World Tracking-type 3D Optical Pen Measurement System Production Value by Region (2027-2032) & (USD Million)

Table 4. World Tracking-type 3D Optical Pen Measurement System Production Value Market Share by Region (2021-2026)

Table 5. World Tracking-type 3D Optical Pen Measurement System Production Value Market Share by Region (2027-2032)

Table 6. World Tracking-type 3D Optical Pen Measurement System Production by Region (2021-2026) & (Units)

Table 7. World Tracking-type 3D Optical Pen Measurement System Production by Region (2027-2032) & (Units)

Table 8. World Tracking-type 3D Optical Pen Measurement System Production Market Share by Region (2021-2026)

Table 9. World Tracking-type 3D Optical Pen Measurement System Production Market Share by Region (2027-2032)

Table 10. World Tracking-type 3D Optical Pen Measurement System Average Price by Region (2021-2026) & (US\$/Unit)

Table 11. World Tracking-type 3D Optical Pen Measurement System Average Price by Region (2027-2032) & (US\$/Unit)

Table 12. Tracking-type 3D Optical Pen Measurement System Major Market Trends

Table 13. World Tracking-type 3D Optical Pen Measurement System Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (Units)

Table 14. World Tracking-type 3D Optical Pen Measurement System Consumption by Region (2021-2026) & (Units)

Table 15. World Tracking-type 3D Optical Pen Measurement System Consumption Forecast by Region (2027-2032) & (Units)

Table 16. World Tracking-type 3D Optical Pen Measurement System Production Value by Manufacturer (2021-2026) & (USD Million)

Table 17. Production Value Market Share of Key Tracking-type 3D Optical Pen Measurement System Producers in 2025

Table 18. World Tracking-type 3D Optical Pen Measurement System Production by Manufacturer (2021-2026) & (Units)

Table 19. Production Market Share of Key Tracking-type 3D Optical Pen Measurement System Producers in 2025

Table 20. World Tracking-type 3D Optical Pen Measurement System Average Price by Manufacturer (2021-2026) & (US\$/Unit)

Table 21. Global Tracking-type 3D Optical Pen Measurement System Company Evaluation Quadrant

Table 22. World Tracking-type 3D Optical Pen Measurement System Industry Rank of Major Manufacturers, Based on Production Value in 2025

Table 23. Head Office and Tracking-type 3D Optical Pen Measurement System Production Site of Key Manufacturer

Table 24. Tracking-type 3D Optical Pen Measurement System Market: Company Product Type Footprint

Table 25. Tracking-type 3D Optical Pen Measurement System Market: Company Product Application Footprint

Table 26. Tracking-type 3D Optical Pen Measurement System Competitive Factors

Table 27. Tracking-type 3D Optical Pen Measurement System New Entrant and Capacity Expansion Plans

Table 28. Tracking-type 3D Optical Pen Measurement System Mergers & Acquisitions Activity

Table 29. United States VS China Tracking-type 3D Optical Pen Measurement System Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 30. United States VS China Tracking-type 3D Optical Pen Measurement System Production Comparison, (2021 & 2025 & 2032) & (Units)

Table 31. United States VS China Tracking-type 3D Optical Pen Measurement System Consumption Comparison, (2021 & 2025 & 2032) & (Units)

Table 32. United States Based Tracking-type 3D Optical Pen Measurement System Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers Tracking-type 3D Optical Pen Measurement System Production Value, (2021-2026) & (USD Million)

Table 34. United States Based Manufacturers Tracking-type 3D Optical Pen Measurement System Production Value Market Share (2021-2026)

Table 35. United States Based Manufacturers Tracking-type 3D Optical Pen Measurement System Production (2021-2026) & (Units)

Table 36. United States Based Manufacturers Tracking-type 3D Optical Pen Measurement System Production Market Share (2021-2026)

Table 37. China Based Tracking-type 3D Optical Pen Measurement System Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers Tracking-type 3D Optical Pen Measurement System Production Value, (2021-2026) & (USD Million)

Table 39. China Based Manufacturers Tracking-type 3D Optical Pen Measurement System Production Value Market Share (2021-2026)

Table 40. China Based Manufacturers Tracking-type 3D Optical Pen Measurement System Production, (2021-2026) & (Units)

Table 41. China Based Manufacturers Tracking-type 3D Optical Pen Measurement System Production Market Share (2021-2026)

Table 42. Rest of World Based Tracking-type 3D Optical Pen Measurement System Manufacturers, Headquarters and Production Site (State, Country)

Table 43. Rest of World Based Manufacturers Tracking-type 3D Optical Pen Measurement System Production Value, (2021-2026) & (USD Million)

Table 44. Rest of World Based Manufacturers Tracking-type 3D Optical Pen Measurement System Production Value Market Share (2021-2026)

Table 45. Rest of World Based Manufacturers Tracking-type 3D Optical Pen Measurement System Production, (2021-2026) & (Units)

Table 46. Rest of World Based Manufacturers Tracking-type 3D Optical Pen Measurement System Production Market Share (2021-2026)

Table 47. World Tracking-type 3D Optical Pen Measurement System Production Value by Type, (USD Million), 2021 & 2025 & 2032

Table 48. World Tracking-type 3D Optical Pen Measurement System Production by Type (2021-2026) & (Units)

Table 49. World Tracking-type 3D Optical Pen Measurement System Production by Type (2027-2032) & (Units)

Table 50. World Tracking-type 3D Optical Pen Measurement System Production Value by Type (2021-2026) & (USD Million)

Table 51. World Tracking-type 3D Optical Pen Measurement System Production Value by Type (2027-2032) & (USD Million)

Table 52. World Tracking-type 3D Optical Pen Measurement System Average Price by Type (2021-2026) & (US\$/Unit)

Table 53. World Tracking-type 3D Optical Pen Measurement System Average Price by Type (2027-2032) & (US\$/Unit)

Table 54. World Tracking-type 3D Optical Pen Measurement System Production Value by Technology, (USD Million), 2021 & 2025 & 2032

Table 55. World Tracking-type 3D Optical Pen Measurement System Production by Technology (2021-2026) & (Units)

Table 56. World Tracking-type 3D Optical Pen Measurement System Production by Technology (2027-2032) & (Units)

Table 57. World Tracking-type 3D Optical Pen Measurement System Production Value by Technology (2021-2026) & (USD Million)

Table 58. World Tracking-type 3D Optical Pen Measurement System Production Value

by Technology (2027-2032) & (USD Million)

Table 59. World Tracking-type 3D Optical Pen Measurement System Average Price by Technology (2021-2026) & (US\$/Unit)

Table 60. World Tracking-type 3D Optical Pen Measurement System Average Price by Technology (2027-2032) & (US\$/Unit)

Table 61. World Tracking-type 3D Optical Pen Measurement System Production Value by Application, (USD Million), 2021 & 2025 & 2032

Table 62. World Tracking-type 3D Optical Pen Measurement System Production by Application (2021-2026) & (Units)

Table 63. World Tracking-type 3D Optical Pen Measurement System Production by Application (2027-2032) & (Units)

Table 64. World Tracking-type 3D Optical Pen Measurement System Production Value by Application (2021-2026) & (USD Million)

Table 65. World Tracking-type 3D Optical Pen Measurement System Production Value by Application (2027-2032) & (USD Million)

Table 66. World Tracking-type 3D Optical Pen Measurement System Average Price by Application (2021-2026) & (US\$/Unit)

Table 67. World Tracking-type 3D Optical Pen Measurement System Average Price by Application (2027-2032) & (US\$/Unit)

Table 68. AMETEK Basic Information, Manufacturing Base and Competitors

Table 69. AMETEK Major Business

Table 70. AMETEK Tracking-type 3D Optical Pen Measurement System Product and Services

Table 71. AMETEK Tracking-type 3D Optical Pen Measurement System Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 72. AMETEK Recent Developments/Updates

Table 73. AMETEK Competitive Strengths & Weaknesses

Table 74. KEYENCE CORPORATION Basic Information, Manufacturing Base and Competitors

Table 75. KEYENCE CORPORATION Major Business

Table 76. KEYENCE CORPORATION Tracking-type 3D Optical Pen Measurement System Product and Services

Table 77. KEYENCE CORPORATION Tracking-type 3D Optical Pen Measurement System Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 78. KEYENCE CORPORATION Recent Developments/Updates

Table 79. KEYENCE CORPORATION Competitive Strengths & Weaknesses

Table 80. Metronor AS Basic Information, Manufacturing Base and Competitors

Table 81. Metronor AS Major Business

Table 82. Metronor AS Tracking-type 3D Optical Pen Measurement System Product and Services

Table 83. Metronor AS Tracking-type 3D Optical Pen Measurement System Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 84. Metronor AS Recent Developments/Updates

Table 85. Metronor AS Competitive Strengths & Weaknesses

Table 86. Hexagon AB Basic Information, Manufacturing Base and Competitors

Table 87. Hexagon AB Major Business

Table 88. Hexagon AB Tracking-type 3D Optical Pen Measurement System Product and Services

Table 89. Hexagon AB Tracking-type 3D Optical Pen Measurement System Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 90. Hexagon AB Recent Developments/Updates

Table 91. Hexagon AB Competitive Strengths & Weaknesses

Table 92. SCANTECH (HANGZHOU) CO., LTD. Basic Information, Manufacturing Base and Competitors

Table 93. SCANTECH (HANGZHOU) CO., LTD. Major Business

Table 94. SCANTECH (HANGZHOU) CO., LTD. Tracking-type 3D Optical Pen Measurement System Product and Services

Table 95. SCANTECH (HANGZHOU) CO., LTD. Tracking-type 3D Optical Pen Measurement System Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 96. SCANTECH (HANGZHOU) CO., LTD. Recent Developments/Updates

Table 97. SCANTECH (HANGZHOU) CO., LTD. Competitive Strengths & Weaknesses

Table 98. Automated Precision Inc. Basic Information, Manufacturing Base and Competitors

Table 99. Automated Precision Inc. Major Business

Table 100. Automated Precision Inc. Tracking-type 3D Optical Pen Measurement System Product and Services

Table 101. Automated Precision Inc. Tracking-type 3D Optical Pen Measurement System Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 102. Automated Precision Inc. Recent Developments/Updates

Table 103. Automated Precision Inc. Competitive Strengths & Weaknesses

Table 104. SHINING 3D Tech Co., Ltd. Basic Information, Manufacturing Base and Competitors

Table 105. SHINING 3D Tech Co., Ltd. Major Business
Table 106. SHINING 3D Tech Co., Ltd. Tracking-type 3D Optical Pen Measurement System Product and Services
Table 107. SHINING 3D Tech Co., Ltd. Tracking-type 3D Optical Pen Measurement System Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 108. SHINING 3D Tech Co., Ltd. Recent Developments/Updates
Table 109. SHINING 3D Tech Co., Ltd. Competitive Strengths & Weaknesses
Table 110. Polyga Inc. Basic Information, Manufacturing Base and Competitors
Table 111. Polyga Inc. Major Business
Table 112. Polyga Inc. Tracking-type 3D Optical Pen Measurement System Product and Services
Table 113. Polyga Inc. Tracking-type 3D Optical Pen Measurement System Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 114. Polyga Inc. Recent Developments/Updates
Table 115. Polyga Inc. Competitive Strengths & Weaknesses
Table 116. ZG TECHNOLOGY CO., LTD. Basic Information, Manufacturing Base and Competitors
Table 117. ZG TECHNOLOGY CO., LTD. Major Business
Table 118. ZG TECHNOLOGY CO., LTD. Tracking-type 3D Optical Pen Measurement System Product and Services
Table 119. ZG TECHNOLOGY CO., LTD. Tracking-type 3D Optical Pen Measurement System Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 120. ZG TECHNOLOGY CO., LTD. Recent Developments/Updates
Table 121. ZG TECHNOLOGY CO., LTD. Competitive Strengths & Weaknesses
Table 122. Global Key Players of Tracking-type 3D Optical Pen Measurement System Upstream (Raw Materials)
Table 123. Global Tracking-type 3D Optical Pen Measurement System Typical Customers
Table 124. Tracking-type 3D Optical Pen Measurement System Typical Distributors

List Of Figures

LIST OF FIGURES

Figure 1. Tracking-type 3D Optical Pen Measurement System Picture

Figure 2. World Tracking-type 3D Optical Pen Measurement System Production Value: 2021 & 2025 & 2032, (USD Million)

Figure 3. World Tracking-type 3D Optical Pen Measurement System Production Value and Forecast (2021-2032) & (USD Million)

Figure 4. World Tracking-type 3D Optical Pen Measurement System Production (2021-2032) & (Units)

Figure 5. World Tracking-type 3D Optical Pen Measurement System Average Price (2021-2032) & (US\$/Unit)

Figure 6. World Tracking-type 3D Optical Pen Measurement System Production Value Market Share by Region (2021-2032)

Figure 7. World Tracking-type 3D Optical Pen Measurement System Production Market Share by Region (2021-2032)

Figure 8. North America Tracking-type 3D Optical Pen Measurement System Production (2021-2032) & (Units)

Figure 9. Europe Tracking-type 3D Optical Pen Measurement System Production (2021-2032) & (Units)

Figure 10. China Tracking-type 3D Optical Pen Measurement System Production (2021-2032) & (Units)

Figure 11. Japan Tracking-type 3D Optical Pen Measurement System Production (2021-2032) & (Units)

Figure 12. Tracking-type 3D Optical Pen Measurement System Market Drivers

Figure 13. Factors Affecting Demand

Figure 14. World Tracking-type 3D Optical Pen Measurement System Consumption (2021-2032) & (Units)

Figure 15. World Tracking-type 3D Optical Pen Measurement System Consumption Market Share by Region (2021-2032)

Figure 16. United States Tracking-type 3D Optical Pen Measurement System Consumption (2021-2032) & (Units)

Figure 17. China Tracking-type 3D Optical Pen Measurement System Consumption (2021-2032) & (Units)

Figure 18. Europe Tracking-type 3D Optical Pen Measurement System Consumption (2021-2032) & (Units)

Figure 19. Japan Tracking-type 3D Optical Pen Measurement System Consumption (2021-2032) & (Units)

- Figure 20. South Korea Tracking-type 3D Optical Pen Measurement System Consumption (2021-2032) & (Units)
- Figure 21. ASEAN Tracking-type 3D Optical Pen Measurement System Consumption (2021-2032) & (Units)
- Figure 22. India Tracking-type 3D Optical Pen Measurement System Consumption (2021-2032) & (Units)
- Figure 23. Producer Shipments of Tracking-type 3D Optical Pen Measurement System by Manufacturer Revenue (\$MM) and Market Share (%): 2025
- Figure 24. Global Four-firm Concentration Ratios (CR4) for Tracking-type 3D Optical Pen Measurement System Markets in 2025
- Figure 25. Global Four-firm Concentration Ratios (CR8) for Tracking-type 3D Optical Pen Measurement System Markets in 2025
- Figure 26. United States VS China: Tracking-type 3D Optical Pen Measurement System Production Value Market Share Comparison (2021 & 2025 & 2032)
- Figure 27. United States VS China: Tracking-type 3D Optical Pen Measurement System Production Market Share Comparison (2021 & 2025 & 2032)
- Figure 28. United States VS China: Tracking-type 3D Optical Pen Measurement System Consumption Market Share Comparison (2021 & 2025 & 2032)
- Figure 29. United States Based Manufacturers Tracking-type 3D Optical Pen Measurement System Production Market Share 2025
- Figure 30. China Based Manufacturers Tracking-type 3D Optical Pen Measurement System Production Market Share 2025
- Figure 31. Rest of World Based Manufacturers Tracking-type 3D Optical Pen Measurement System Production Market Share 2025
- Figure 32. World Tracking-type 3D Optical Pen Measurement System Production Value by Type, (USD Million), 2021 & 2025 & 2032
- Figure 33. World Tracking-type 3D Optical Pen Measurement System Production Value Market Share by Type in 2025
- Figure 34. Tactile Point Measurement
- Figure 35. Tactile Scanning Probing
- Figure 36. World Tracking-type 3D Optical Pen Measurement System Production Market Share by Type (2021-2032)
- Figure 37. World Tracking-type 3D Optical Pen Measurement System Production Value Market Share by Type (2021-2032)
- Figure 38. World Tracking-type 3D Optical Pen Measurement System Average Price by Type (2021-2032) & (US\$/Unit)
- Figure 39. World Tracking-type 3D Optical Pen Measurement System Production Value by Technology, (USD Million), 2021 & 2025 & 2032
- Figure 40. World Tracking-type 3D Optical Pen Measurement System Production Value

Market Share by Technology in 2025

Figure 41. Infrared LED Tracking

Figure 42. Photogrammetry-based Tracking

Figure 43. World Tracking-type 3D Optical Pen Measurement System Production

Market Share by Technology (2021-2032)

Figure 44. World Tracking-type 3D Optical Pen Measurement System Production Value

Market Share by Technology (2021-2032)

Figure 45. World Tracking-type 3D Optical Pen Measurement System Average Price by Technology (2021-2032) & (US\$/Unit)

Figure 46. World Tracking-type 3D Optical Pen Measurement System Production Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 47. World Tracking-type 3D Optical Pen Measurement System Production Value Market Share by Application in 2025

Figure 48. Aerospace

Figure 49. Automotive

Figure 50. Rail and Shipbuilding

Figure 51. Others

Figure 52. World Tracking-type 3D Optical Pen Measurement System Production

Market Share by Application (2021-2032)

Figure 53. World Tracking-type 3D Optical Pen Measurement System Production Value

Market Share by Application (2021-2032)

Figure 54. World Tracking-type 3D Optical Pen Measurement System Average Price by Application (2021-2032) & (US\$/Unit)

Figure 55. Tracking-type 3D Optical Pen Measurement System Industry Chain

Figure 56. Tracking-type 3D Optical Pen Measurement System Procurement Model

Figure 57. Tracking-type 3D Optical Pen Measurement System Sales Model

Figure 58. Tracking-type 3D Optical Pen Measurement System Sales Channels, Direct Sales, and Distribution

Figure 59. Methodology

Figure 60. Research Process and Data Source

I would like to order

Product name: Global Tracking-type 3D Optical Pen Measurement System Supply, Demand and Key Producers, 2026-2032

Product link: <https://marketpublishers.com/r/GB6D840D87D9EN.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/GB6D840D87D9EN.html>