

Global Film Metrology System Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/G90ABB171706EN.html>

Date: July 2026

Pages: 127

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

ID: G90ABB171706EN

Abstracts

The global Film Metrology System market size is expected to reach \$ 4000 million by 2032, rising at a market growth of 8.1% CAGR during the forecast period (2026-2032).

Film Metrology System is a precision metrology tool used to measure the physical, optical, electrical and material properties of thin films deposited or formed on wafers, substrates or device structures. In semiconductor manufacturing, films such as oxide, nitride, metal, photoresist, hard mask, dielectric, barrier layer, seed layer and epitaxial layer must meet strict requirements for thickness, uniformity, refractive index, extinction coefficient, stress, composition, density and sheet resistance. Film metrology systems usually use spectroscopic ellipsometry, reflectometry, interferometry, X-ray measurement, optical scatterometry, Raman, infrared spectroscopy or electrical measurement methods to provide inline process control data for deposition, lithography, etch, CMP, annealing and advanced packaging processes.

In 2025, global sales of Film Metrology System reached approximately 756 units, with an average global market price of around US\$ 3 million/unit. Production capacity varies significantly among manufacturers, with gross profit margins ranging from approximately 50% to 70%.

Film metrology systems are among the most frequently used process control tools in semiconductor manufacturing. Their value is not limited to film thickness measurement, but also includes the characterization of refractive index, extinction coefficient, stress, composition, density, sheet resistance and multilayer film models. As advanced logic, memory and high-performance computing devices become more structurally complex, the number of dielectric films, hard masks, metal layers, barrier layers, seed layers, photoresist films and epitaxial layers continues to increase. Any deviation in film

thickness or material properties may affect subsequent lithography, etch, deposition, CMP and final device performance. As a result, film metrology has evolved from basic thickness inspection into a key process control tool across process development, high-volume manufacturing and yield optimization.

In terms of demand structure, advanced logic and memory remain the main markets for high-end film metrology systems. Advanced logic processes require tighter control of high-k metal gate films, spacers, hard masks and multilayer dielectrics, while memory processes face metrology challenges from deep structures, complex film stacks and high-stress films. At the same time, advanced packaging, wafer-level packaging and hybrid bonding are creating additional demand for film thickness and uniformity control in polymers, metallization layers, redistribution layers, temporary bonding materials and interface films, extending film metrology into more back-end and packaging applications.

The long-term market outlook remains positive. Artificial intelligence, high-bandwidth memory, high-performance computing and advanced packaging are increasing process control intensity in wafer fabs, making film metrology more important for process window management. In addition, power devices, SiC, GaN, RF devices, optoelectronics and MEMS are expanding demand for thin film process control in specialty semiconductor manufacturing. However, the market is still affected by fab capital expenditure cycles, long customer qualification periods, the difficulty of building advanced algorithms and material models, and strong technology barriers held by leading suppliers. Overall, film metrology systems represent a sizable, high-barrier and customer-sticky segment of semiconductor metrology equipment with relatively strong long-term demand visibility.

This report studies the global Film Metrology System production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Film Metrology 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 Film Metrology System that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Film Metrology System total production and demand, 2021-2032, (Units)

Global Film Metrology System Supply, Demand and Key Producers, 2026-2032

Global Film Metrology System total production value, 2021-2032, (USD Million)

Global Film Metrology System production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Units), (based on production site)

Global Film Metrology System consumption by region & country, CAGR, 2021-2032 & (Units)

U.S. VS China: Film Metrology System domestic production, consumption, key domestic manufacturers and share

Global Film Metrology System production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Units)

Global Film Metrology System production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Units)

Global Film Metrology System production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Units)

This report profiles key players in the global Film Metrology 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 KLA, Onto Innovation, Bruker, Nova, k-Space Associates, Semilab, SCREEN Semiconductor Solutions, Otsuka Electronics, Toho Technology, HORIBA, 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 Film Metrology 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 Film Metrology System Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Film Metrology System Market, Segmentation by Type:

Spectroscopic Ellipsometry

Spectroscopic Reflectometry

Interferometry

X-Ray

Electrical

Global Film Metrology System Market, Segmentation by System Configuration:

Standalone

Integrated

Global Film Metrology System Market, Segmentation by Substrate Size:

300mm

200mm

150mm

Other

Global Film Metrology System Market, Segmentation by Application:

Semiconductors

Photovoltaics

Other

Companies Profiled:

KLA

Onto Innovation

Bruker

Nova

k-Space Associates

Semilab

SCREEN Semiconductor Solutions

Otsuka Electronics

Toho Technology

HORIBA

J.A. Woollam

Jiangling Technology

Shanghai Precision Measurement Semiconductor

Key Questions Answered:

1. How big is the global Film Metrology System market?
2. What is the demand of the global Film Metrology System market?
3. What is the year over year growth of the global Film Metrology System market?
4. What is the production and production value of the global Film Metrology System market?
5. Who are the key producers in the global Film Metrology System market?
6. What are the growth factors driving the market demand?

Contents

1 SUPPLY SUMMARY

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

2 DEMAND SUMMARY

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

3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS

- 3.1 World Film Metrology System Production Value by Manufacturer (2021-2026)

- 3.2 World Film Metrology System Production by Manufacturer (2021-2026)
- 3.3 World Film Metrology System Average Price by Manufacturer (2021-2026)
- 3.4 Film Metrology System Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
 - 3.5.1 Global Film Metrology System Industry Rank of Major Manufacturers
 - 3.5.2 Global Concentration Ratios (CR4) for Film Metrology System in 2025
 - 3.5.3 Global Concentration Ratios (CR8) for Film Metrology System in 2025
- 3.6 Film Metrology System Market: Overall Company Footprint Analysis
 - 3.6.1 Film Metrology System Market: Region Footprint
 - 3.6.2 Film Metrology System Market: Company Product Type Footprint
 - 3.6.3 Film Metrology 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: Film Metrology System Production Value Comparison
 - 4.1.1 United States VS China: Film Metrology System Production Value Comparison (2021 & 2025 & 2032)
 - 4.1.2 United States VS China: Film Metrology System Production Value Market Share Comparison (2021 & 2025 & 2032)
- 4.2 United States VS China: Film Metrology System Production Comparison
 - 4.2.1 United States VS China: Film Metrology System Production Comparison (2021 & 2025 & 2032)
 - 4.2.2 United States VS China: Film Metrology System Production Market Share Comparison (2021 & 2025 & 2032)
- 4.3 United States VS China: Film Metrology System Consumption Comparison
 - 4.3.1 United States VS China: Film Metrology System Consumption Comparison (2021 & 2025 & 2032)
 - 4.3.2 United States VS China: Film Metrology System Consumption Market Share Comparison (2021 & 2025 & 2032)
- 4.4 United States Based Film Metrology System Manufacturers and Market Share, 2021-2026
 - 4.4.1 United States Based Film Metrology System Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers Film Metrology System Production Value (2021-2026)

4.4.3 United States Based Manufacturers Film Metrology System Production (2021-2026)

4.5 China Based Film Metrology System Manufacturers and Market Share

4.5.1 China Based Film Metrology System Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Film Metrology System Production Value (2021-2026)

4.5.3 China Based Manufacturers Film Metrology System Production (2021-2026)

4.6 Rest of World Based Film Metrology System Manufacturers and Market Share, 2021-2026

4.6.1 Rest of World Based Film Metrology System Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers Film Metrology System Production Value (2021-2026)

4.6.3 Rest of World Based Manufacturers Film Metrology System Production (2021-2026)

5 MARKET ANALYSIS BY TYPE

5.1 World Film Metrology System Market Size Overview by Type: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 Spectroscopic Ellipsometry

5.2.2 Spectroscopic Reflectometry

5.2.3 Interferometry

5.2.4 X-Ray

5.2.5 Electrical

5.3 Market Segment by Type

5.3.1 World Film Metrology System Production by Type (2021-2032)

5.3.2 World Film Metrology System Production Value by Type (2021-2032)

5.3.3 World Film Metrology System Average Price by Type (2021-2032)

6 MARKET ANALYSIS BY SYSTEM CONFIGURATION

6.1 World Film Metrology System Market Size Overview by System Configuration: 2021 VS 2025 VS 2032

6.2 Segment Introduction by System Configuration

6.2.1 Standalone

6.2.2 Integrated

6.3 Market Segment by System Configuration

6.3.1 World Film Metrology System Production by System Configuration (2021-2032)

6.3.2 World Film Metrology System Production Value by System Configuration
(2021-2032)

6.3.3 World Film Metrology System Average Price by System Configuration
(2021-2032)

7 MARKET ANALYSIS BY SUBSTRATE SIZE

7.1 World Film Metrology System Market Size Overview by Substrate Size: 2021 VS
2025 VS 2032

7.2 Segment Introduction by Substrate Size

7.2.1 300mm

7.2.2 200mm

7.2.3 150mm

7.2.4 Other

7.3 Market Segment by Substrate Size

7.3.1 World Film Metrology System Production by Substrate Size (2021-2032)

7.3.2 World Film Metrology System Production Value by Substrate Size (2021-2032)

7.3.3 World Film Metrology System Average Price by Substrate Size (2021-2032)

8 MARKET ANALYSIS BY APPLICATION

8.1 World Film Metrology System Market Size Overview by Application: 2021 VS 2025
VS 2032

8.2 Segment Introduction by Application

8.2.1 Semiconductors

8.2.2 Photovoltaics

8.2.3 Other

8.3 Market Segment by Application

8.3.1 World Film Metrology System Production by Application (2021-2032)

8.3.2 World Film Metrology System Production Value by Application (2021-2032)

8.3.3 World Film Metrology System Average Price by Application (2021-2032)

9 COMPANY PROFILES

9.1 KLA

- 9.1.1 KLA Details
- 9.1.2 KLA Major Business
- 9.1.3 KLA Film Metrology System Product and Services
- 9.1.4 KLA Film Metrology System Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.1.5 KLA Recent Developments/Updates
- 9.1.6 KLA Competitive Strengths & Weaknesses
- 9.2 Onto Innovation
 - 9.2.1 Onto Innovation Details
 - 9.2.2 Onto Innovation Major Business
 - 9.2.3 Onto Innovation Film Metrology System Product and Services
 - 9.2.4 Onto Innovation Film Metrology System Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.2.5 Onto Innovation Recent Developments/Updates
 - 9.2.6 Onto Innovation Competitive Strengths & Weaknesses
- 9.3 Bruker
 - 9.3.1 Bruker Details
 - 9.3.2 Bruker Major Business
 - 9.3.3 Bruker Film Metrology System Product and Services
 - 9.3.4 Bruker Film Metrology System Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.3.5 Bruker Recent Developments/Updates
 - 9.3.6 Bruker Competitive Strengths & Weaknesses
- 9.4 Nova
 - 9.4.1 Nova Details
 - 9.4.2 Nova Major Business
 - 9.4.3 Nova Film Metrology System Product and Services
 - 9.4.4 Nova Film Metrology System Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.4.5 Nova Recent Developments/Updates
 - 9.4.6 Nova Competitive Strengths & Weaknesses
- 9.5 k-Space Associates
 - 9.5.1 k-Space Associates Details
 - 9.5.2 k-Space Associates Major Business
 - 9.5.3 k-Space Associates Film Metrology System Product and Services
 - 9.5.4 k-Space Associates Film Metrology System Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.5.5 k-Space Associates Recent Developments/Updates
 - 9.5.6 k-Space Associates Competitive Strengths & Weaknesses

9.6 Semilab

9.6.1 Semilab Details

9.6.2 Semilab Major Business

9.6.3 Semilab Film Metrology System Product and Services

9.6.4 Semilab Film Metrology System Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.6.5 Semilab Recent Developments/Updates

9.6.6 Semilab Competitive Strengths & Weaknesses

9.7 SCREEN Semiconductor Solutions

9.7.1 SCREEN Semiconductor Solutions Details

9.7.2 SCREEN Semiconductor Solutions Major Business

9.7.3 SCREEN Semiconductor Solutions Film Metrology System Product and Services

9.7.4 SCREEN Semiconductor Solutions Film Metrology System Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.7.5 SCREEN Semiconductor Solutions Recent Developments/Updates

9.7.6 SCREEN Semiconductor Solutions Competitive Strengths & Weaknesses

9.8 Otsuka Electronics

9.8.1 Otsuka Electronics Details

9.8.2 Otsuka Electronics Major Business

9.8.3 Otsuka Electronics Film Metrology System Product and Services

9.8.4 Otsuka Electronics Film Metrology System Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.8.5 Otsuka Electronics Recent Developments/Updates

9.8.6 Otsuka Electronics Competitive Strengths & Weaknesses

9.9 Toho Technology

9.9.1 Toho Technology Details

9.9.2 Toho Technology Major Business

9.9.3 Toho Technology Film Metrology System Product and Services

9.9.4 Toho Technology Film Metrology System Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.9.5 Toho Technology Recent Developments/Updates

9.9.6 Toho Technology Competitive Strengths & Weaknesses

9.10 HORIBA

9.10.1 HORIBA Details

9.10.2 HORIBA Major Business

9.10.3 HORIBA Film Metrology System Product and Services

9.10.4 HORIBA Film Metrology System Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.10.5 HORIBA Recent Developments/Updates

- 9.10.6 HORIBA Competitive Strengths & Weaknesses
- 9.11 J.A. Woollam
 - 9.11.1 J.A. Woollam Details
 - 9.11.2 J.A. Woollam Major Business
 - 9.11.3 J.A. Woollam Film Metrology System Product and Services
 - 9.11.4 J.A. Woollam Film Metrology System Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.11.5 J.A. Woollam Recent Developments/Updates
 - 9.11.6 J.A. Woollam Competitive Strengths & Weaknesses
- 9.12 Jiangling Technology
 - 9.12.1 Jiangling Technology Details
 - 9.12.2 Jiangling Technology Major Business
 - 9.12.3 Jiangling Technology Film Metrology System Product and Services
 - 9.12.4 Jiangling Technology Film Metrology System Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.12.5 Jiangling Technology Recent Developments/Updates
 - 9.12.6 Jiangling Technology Competitive Strengths & Weaknesses
- 9.13 Shanghai Precision Measurement Semiconductor
 - 9.13.1 Shanghai Precision Measurement Semiconductor Details
 - 9.13.2 Shanghai Precision Measurement Semiconductor Major Business
 - 9.13.3 Shanghai Precision Measurement Semiconductor Film Metrology System Product and Services
 - 9.13.4 Shanghai Precision Measurement Semiconductor Film Metrology System Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.13.5 Shanghai Precision Measurement Semiconductor Recent Developments/Updates
 - 9.13.6 Shanghai Precision Measurement Semiconductor Competitive Strengths & Weaknesses

10 INDUSTRY CHAIN ANALYSIS

- 10.1 Film Metrology System Industry Chain
- 10.2 Film Metrology System Upstream Analysis
 - 10.2.1 Film Metrology System Core Raw Materials
 - 10.2.2 Main Manufacturers of Film Metrology System Core Raw Materials
- 10.3 Midstream Analysis
- 10.4 Downstream Analysis
- 10.5 Film Metrology System Production Mode
- 10.6 Film Metrology System Procurement Model

10.7 Film Metrology System Industry Sales Model and Sales Channels

10.7.1 Film Metrology System Sales Model

10.7.2 Film Metrology System Typical Distributors

11 RESEARCH FINDINGS AND CONCLUSION

12 APPENDIX

12.1 Methodology

12.2 Research Process and Data Source

12.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. World Film Metrology System Production Value by Region (2021, 2025 and 2032) & (USD Million)

Table 2. World Film Metrology System Production Value by Region (2021-2026) & (USD Million)

Table 3. World Film Metrology System Production Value by Region (2027-2032) & (USD Million)

Table 4. World Film Metrology System Production Value Market Share by Region (2021-2026)

Table 5. World Film Metrology System Production Value Market Share by Region (2027-2032)

Table 6. World Film Metrology System Production by Region (2021-2026) & (Units)

Table 7. World Film Metrology System Production by Region (2027-2032) & (Units)

Table 8. World Film Metrology System Production Market Share by Region (2021-2026)

Table 9. World Film Metrology System Production Market Share by Region (2027-2032)

Table 10. World Film Metrology System Average Price by Region (2021-2026) & (US\$/Unit)

Table 11. World Film Metrology System Average Price by Region (2027-2032) & (US\$/Unit)

Table 12. Film Metrology System Major Market Trends

Table 13. World Film Metrology System Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (Units)

Table 14. World Film Metrology System Consumption by Region (2021-2026) & (Units)

Table 15. World Film Metrology System Consumption Forecast by Region (2027-2032) & (Units)

Table 16. World Film Metrology System Production Value by Manufacturer (2021-2026) & (USD Million)

Table 17. Production Value Market Share of Key Film Metrology System Producers in 2025

Table 18. World Film Metrology System Production by Manufacturer (2021-2026) & (Units)

Table 19. Production Market Share of Key Film Metrology System Producers in 2025

Table 20. World Film Metrology System Average Price by Manufacturer (2021-2026) & (US\$/Unit)

Table 21. Global Film Metrology System Company Evaluation Quadrant

Table 22. World Film Metrology System Industry Rank of Major Manufacturers, Based

on Production Value in 2025

Table 23. Head Office and Film Metrology System Production Site of Key Manufacturer

Table 24. Film Metrology System Market: Company Product Type Footprint

Table 25. Film Metrology System Market: Company Product Application Footprint

Table 26. Film Metrology System Competitive Factors

Table 27. Film Metrology System New Entrant and Capacity Expansion Plans

Table 28. Film Metrology System Mergers & Acquisitions Activity

Table 29. United States VS China Film Metrology System Production Value

Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 30. United States VS China Film Metrology System Production Comparison,
(2021 & 2025 & 2032) & (Units)

Table 31. United States VS China Film Metrology System Consumption Comparison,
(2021 & 2025 & 2032) & (Units)

Table 32. United States Based Film Metrology System Manufacturers, Headquarters
and Production Site (States, Country)

Table 33. United States Based Manufacturers Film Metrology System Production Value,
(2021-2026) & (USD Million)

Table 34. United States Based Manufacturers Film Metrology System Production Value
Market Share (2021-2026)

Table 35. United States Based Manufacturers Film Metrology System Production
(2021-2026) & (Units)

Table 36. United States Based Manufacturers Film Metrology System Production
Market Share (2021-2026)

Table 37. China Based Film Metrology System Manufacturers, Headquarters and
Production Site (Province, Country)

Table 38. China Based Manufacturers Film Metrology System Production Value,
(2021-2026) & (USD Million)

Table 39. China Based Manufacturers Film Metrology System Production Value Market
Share (2021-2026)

Table 40. China Based Manufacturers Film Metrology System Production, (2021-2026)
& (Units)

Table 41. China Based Manufacturers Film Metrology System Production Market Share
(2021-2026)

Table 42. Rest of World Based Film Metrology System Manufacturers, Headquarters
and Production Site (State, Country)

Table 43. Rest of World Based Manufacturers Film Metrology System Production Value,
(2021-2026) & (USD Million)

Table 44. Rest of World Based Manufacturers Film Metrology System Production Value
Market Share (2021-2026)

Table 45. Rest of World Based Manufacturers Film Metrology System Production, (2021-2026) & (Units)

Table 46. Rest of World Based Manufacturers Film Metrology System Production Market Share (2021-2026)

Table 47. World Film Metrology System Production Value by Type, (USD Million), 2021 & 2025 & 2032

Table 48. World Film Metrology System Production by Type (2021-2026) & (Units)

Table 49. World Film Metrology System Production by Type (2027-2032) & (Units)

Table 50. World Film Metrology System Production Value by Type (2021-2026) & (USD Million)

Table 51. World Film Metrology System Production Value by Type (2027-2032) & (USD Million)

Table 52. World Film Metrology System Average Price by Type (2021-2026) & (US\$/Unit)

Table 53. World Film Metrology System Average Price by Type (2027-2032) & (US\$/Unit)

Table 54. World Film Metrology System Production Value by System Configuration, (USD Million), 2021 & 2025 & 2032

Table 55. World Film Metrology System Production by System Configuration (2021-2026) & (Units)

Table 56. World Film Metrology System Production by System Configuration (2027-2032) & (Units)

Table 57. World Film Metrology System Production Value by System Configuration (2021-2026) & (USD Million)

Table 58. World Film Metrology System Production Value by System Configuration (2027-2032) & (USD Million)

Table 59. World Film Metrology System Average Price by System Configuration (2021-2026) & (US\$/Unit)

Table 60. World Film Metrology System Average Price by System Configuration (2027-2032) & (US\$/Unit)

Table 61. World Film Metrology System Production Value by Substrate Size, (USD Million), 2021 & 2025 & 2032

Table 62. World Film Metrology System Production by Substrate Size (2021-2026) & (Units)

Table 63. World Film Metrology System Production by Substrate Size (2027-2032) & (Units)

Table 64. World Film Metrology System Production Value by Substrate Size (2021-2026) & (USD Million)

Table 65. World Film Metrology System Production Value by Substrate Size

(2027-2032) & (USD Million)

Table 66. World Film Metrology System Average Price by Substrate Size (2021-2026) & (US\$/Unit)

Table 67. World Film Metrology System Average Price by Substrate Size (2027-2032) & (US\$/Unit)

Table 68. World Film Metrology System Production Value by Application, (USD Million), 2021 & 2025 & 2032

Table 69. World Film Metrology System Production by Application (2021-2026) & (Units)

Table 70. World Film Metrology System Production by Application (2027-2032) & (Units)

Table 71. World Film Metrology System Production Value by Application (2021-2026) & (USD Million)

Table 72. World Film Metrology System Production Value by Application (2027-2032) & (USD Million)

Table 73. World Film Metrology System Average Price by Application (2021-2026) & (US\$/Unit)

Table 74. World Film Metrology System Average Price by Application (2027-2032) & (US\$/Unit)

Table 75. KLA Basic Information, Manufacturing Base and Competitors

Table 76. KLA Major Business

Table 77. KLA Film Metrology System Product and Services

Table 78. KLA Film Metrology System Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 79. KLA Recent Developments/Updates

Table 80. KLA Competitive Strengths & Weaknesses

Table 81. Onto Innovation Basic Information, Manufacturing Base and Competitors

Table 82. Onto Innovation Major Business

Table 83. Onto Innovation Film Metrology System Product and Services

Table 84. Onto Innovation Film Metrology System Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 85. Onto Innovation Recent Developments/Updates

Table 86. Onto Innovation Competitive Strengths & Weaknesses

Table 87. Bruker Basic Information, Manufacturing Base and Competitors

Table 88. Bruker Major Business

Table 89. Bruker Film Metrology System Product and Services

Table 90. Bruker Film Metrology System Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 91. Bruker Recent Developments/Updates

Table 92. Bruker Competitive Strengths & Weaknesses

Table 93. Nova Basic Information, Manufacturing Base and Competitors

Table 94. Nova Major Business

Table 95. Nova Film Metrology System Product and Services

Table 96. Nova Film Metrology System Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 97. Nova Recent Developments/Updates

Table 98. Nova Competitive Strengths & Weaknesses

Table 99. k-Space Associates Basic Information, Manufacturing Base and Competitors

Table 100. k-Space Associates Major Business

Table 101. k-Space Associates Film Metrology System Product and Services

Table 102. k-Space Associates Film Metrology System Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 103. k-Space Associates Recent Developments/Updates

Table 104. k-Space Associates Competitive Strengths & Weaknesses

Table 105. Semilab Basic Information, Manufacturing Base and Competitors

Table 106. Semilab Major Business

Table 107. Semilab Film Metrology System Product and Services

Table 108. Semilab Film Metrology System Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 109. Semilab Recent Developments/Updates

Table 110. Semilab Competitive Strengths & Weaknesses

Table 111. SCREEN Semiconductor Solutions Basic Information, Manufacturing Base and Competitors

Table 112. SCREEN Semiconductor Solutions Major Business

Table 113. SCREEN Semiconductor Solutions Film Metrology System Product and Services

Table 114. SCREEN Semiconductor Solutions Film Metrology System Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 115. SCREEN Semiconductor Solutions Recent Developments/Updates

Table 116. SCREEN Semiconductor Solutions Competitive Strengths & Weaknesses

Table 117. Otsuka Electronics Basic Information, Manufacturing Base and Competitors

Table 118. Otsuka Electronics Major Business

Table 119. Otsuka Electronics Film Metrology System Product and Services

Table 120. Otsuka Electronics Film Metrology System Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 121. Otsuka Electronics Recent Developments/Updates

Table 122. Otsuka Electronics Competitive Strengths & Weaknesses

Table 123. Toho Technology Basic Information, Manufacturing Base and Competitors

Table 124. Toho Technology Major Business

Table 125. Toho Technology Film Metrology System Product and Services

Table 126. Toho Technology Film Metrology System Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 127. Toho Technology Recent Developments/Updates

Table 128. Toho Technology Competitive Strengths & Weaknesses

Table 129. HORIBA Basic Information, Manufacturing Base and Competitors

Table 130. HORIBA Major Business

Table 131. HORIBA Film Metrology System Product and Services

Table 132. HORIBA Film Metrology System Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 133. HORIBA Recent Developments/Updates

Table 134. HORIBA Competitive Strengths & Weaknesses

Table 135. J.A. Woollam Basic Information, Manufacturing Base and Competitors

Table 136. J.A. Woollam Major Business

Table 137. J.A. Woollam Film Metrology System Product and Services

Table 138. J.A. Woollam Film Metrology System Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 139. J.A. Woollam Recent Developments/Updates

Table 140. J.A. Woollam Competitive Strengths & Weaknesses

Table 141. Jiangling Technology Basic Information, Manufacturing Base and Competitors

Table 142. Jiangling Technology Major Business

Table 143. Jiangling Technology Film Metrology System Product and Services

Table 144. Jiangling Technology Film Metrology System Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 145. Jiangling Technology Recent Developments/Updates

Table 146. Jiangling Technology Competitive Strengths & Weaknesses

Table 147. Shanghai Precision Measurement Semiconductor Basic Information, Manufacturing Base and Competitors

Table 148. Shanghai Precision Measurement Semiconductor Major Business

Table 149. Shanghai Precision Measurement Semiconductor Film Metrology System Product and Services

Table 150. Shanghai Precision Measurement Semiconductor Film Metrology System Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 151. Shanghai Precision Measurement Semiconductor Recent Developments/Updates

Table 152. Shanghai Precision Measurement Semiconductor Competitive Strengths & Weaknesses

Table 153. Global Key Players of Film Metrology System Upstream (Raw Materials)

Table 154. Global Film Metrology System Typical Customers

Table 155. Film Metrology System Typical Distributors

List Of Figures

LIST OF FIGURES

Figure 1. Film Metrology System Picture

Figure 2. World Film Metrology System Production Value: 2021 & 2025 & 2032, (USD Million)

Figure 3. World Film Metrology System Production Value and Forecast (2021-2032) & (USD Million)

Figure 4. World Film Metrology System Production (2021-2032) & (Units)

Figure 5. World Film Metrology System Average Price (2021-2032) & (US\$/Unit)

Figure 6. World Film Metrology System Production Value Market Share by Region (2021-2032)

Figure 7. World Film Metrology System Production Market Share by Region (2021-2032)

Figure 8. North America Film Metrology System Production (2021-2032) & (Units)

Figure 9. Europe Film Metrology System Production (2021-2032) & (Units)

Figure 10. China Film Metrology System Production (2021-2032) & (Units)

Figure 11. Japan Film Metrology System Production (2021-2032) & (Units)

Figure 12. Film Metrology System Market Drivers

Figure 13. Factors Affecting Demand

Figure 14. World Film Metrology System Consumption (2021-2032) & (Units)

Figure 15. World Film Metrology System Consumption Market Share by Region (2021-2032)

Figure 16. United States Film Metrology System Consumption (2021-2032) & (Units)

Figure 17. China Film Metrology System Consumption (2021-2032) & (Units)

Figure 18. Europe Film Metrology System Consumption (2021-2032) & (Units)

Figure 19. Japan Film Metrology System Consumption (2021-2032) & (Units)

Figure 20. South Korea Film Metrology System Consumption (2021-2032) & (Units)

Figure 21. ASEAN Film Metrology System Consumption (2021-2032) & (Units)

Figure 22. India Film Metrology System Consumption (2021-2032) & (Units)

Figure 23. Producer Shipments of Film Metrology System by Manufacturer Revenue (\$MM) and Market Share (%): 2025

Figure 24. Global Four-firm Concentration Ratios (CR4) for Film Metrology System Markets in 2025

Figure 25. Global Four-firm Concentration Ratios (CR8) for Film Metrology System Markets in 2025

Figure 26. United States VS China: Film Metrology System Production Value Market Share Comparison (2021 & 2025 & 2032)

Figure 27. United States VS China: Film Metrology System Production Market Share Comparison (2021 & 2025 & 2032)

Figure 28. United States VS China: Film Metrology System Consumption Market Share Comparison (2021 & 2025 & 2032)

Figure 29. United States Based Manufacturers Film Metrology System Production Market Share 2025

Figure 30. China Based Manufacturers Film Metrology System Production Market Share 2025

Figure 31. Rest of World Based Manufacturers Film Metrology System Production Market Share 2025

Figure 32. World Film Metrology System Production Value by Type, (USD Million), 2021 & 2025 & 2032

Figure 33. World Film Metrology System Production Value Market Share by Type in 2025

Figure 34. Spectroscopic Ellipsometry

Figure 35. Spectroscopic Reflectometry

Figure 36. Interferometry

Figure 37. X-Ray

Figure 38. Electrical

Figure 39. World Film Metrology System Production Market Share by Type (2021-2032)

Figure 40. World Film Metrology System Production Value Market Share by Type (2021-2032)

Figure 41. World Film Metrology System Average Price by Type (2021-2032) & (US\$/Unit)

Figure 42. World Film Metrology System Production Value by System Configuration, (USD Million), 2021 & 2025 & 2032

Figure 43. World Film Metrology System Production Value Market Share by System Configuration in 2025

Figure 44. Standalone

Figure 45. Integrated

Figure 46. World Film Metrology System Production Market Share by System Configuration (2021-2032)

Figure 47. World Film Metrology System Production Value Market Share by System Configuration (2021-2032)

Figure 48. World Film Metrology System Average Price by System Configuration (2021-2032) & (US\$/Unit)

Figure 49. World Film Metrology System Production Value by Substrate Size, (USD Million), 2021 & 2025 & 2032

Figure 50. World Film Metrology System Production Value Market Share by Substrate

Size in 2025

Figure 51. 300mm

Figure 52. 200mm

Figure 53. 150mm

Figure 54. Other

Figure 55. World Film Metrology System Production Market Share by Substrate Size (2021-2032)

Figure 56. World Film Metrology System Production Value Market Share by Substrate Size (2021-2032)

Figure 57. World Film Metrology System Average Price by Substrate Size (2021-2032) & (US\$/Unit)

Figure 58. World Film Metrology System Production Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 59. World Film Metrology System Production Value Market Share by Application in 2025

Figure 60. Semiconductors

Figure 61. Photovoltaics

Figure 62. Other

Figure 63. World Film Metrology System Production Market Share by Application (2021-2032)

Figure 64. World Film Metrology System Production Value Market Share by Application (2021-2032)

Figure 65. World Film Metrology System Average Price by Application (2021-2032) & (US\$/Unit)

Figure 66. Film Metrology System Industry Chain

Figure 67. Film Metrology System Procurement Model

Figure 68. Film Metrology System Sales Model

Figure 69. Film Metrology System Sales Channels, Direct Sales, and Distribution

Figure 70. Methodology

Figure 71. Research Process and Data Source

I would like to order

Product name: Global Film Metrology System Supply, Demand and Key Producers, 2026-2032

Product link: <https://marketpublishers.com/r/G90ABB171706EN.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/G90ABB171706EN.html>