

Global Wafer Film Thickness Metrology Tool Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/G5E7053834B3EN.html>

Date: August 2026

Pages: 165

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

ID: G5E7053834B3EN

Abstracts

The global Wafer Film Thickness Metrology Tool market size is expected to reach \$ 1119 million by 2032, rising at a market growth of 4.3% CAGR during the forecast period (2026-2032).

A wafer film thickness metrology tool is a process-control system used in semiconductor wafer manufacturing to measure the thickness and within-wafer uniformity of single-layer or multilayer films, together with related optical or material parameters, through non-contact and non-destructive methods. These systems generally employ spectroscopic reflectometry, spectroscopic ellipsometry, optical interferometry, picosecond ultrasonics, or multisensor architectures. They collect reflected intensity, polarization changes, interference spectra, or acoustic responses and combine the resulting data with film-stack models, material optical-constant libraries, and fitting algorithms to determine film thickness distributions from the nanometer to millimeter range, as well as refractive index, extinction coefficient, acoustic velocity, elastic modulus, roughness, or composition. Available configurations include single-point benchtop instruments, automated two-dimensional mapping systems, fully automated cassette-to-cassette platforms, and integrated in-line metrology systems. They can support unpatterned monitor wafers, patterned product wafers, bonded wafers, warped wafers, and framed wafers. Typical uses include recipe development, tool matching, endpoint determination, uniformity assessment, statistical process control, and yield management for deposition, oxidation, photoresist coating, etching, chemical mechanical planarization, metallization, wafer thinning, and advanced packaging. Customers include logic and memory fabs, power and RF device manufacturers, advanced packaging facilities, wafer-material suppliers, research institutions, and semiconductor process-equipment manufacturers. Deliverables generally include the main system, automated handling modules, measurement heads, modeling and recipe

software, reference wafers, data interfaces, application development, calibration services, maintenance, and long-term service agreements.

Wafer film thickness metrology is evolving from the delivery of a single thickness reading toward multiparameter process control for increasingly complex film stacks. Advanced logic and memory devices continue to introduce high-k materials, low-k materials, metal gates, hard masks, deep trenches, and multilayer structures, expanding the measurement target from transparent dielectrics to absorbing semiconductors, metals, and heterogeneous material combinations. Conventional single-wavelength or single-point measurements are therefore becoming less capable of simultaneously meeting requirements for range, speed, and model uniqueness. Spectroscopic reflectometry remains a fundamental solution with favorable cost and throughput, while spectroscopic ellipsometry can determine thickness and optical constants concurrently. Picosecond ultrasonics is suitable for opaque metallic films, optical interferometry and area imaging are effective for thicker films and rapid full-wafer distribution measurement, and multisensor platforms reduce parameter correlation through complementary signals. The value of a metrology system is no longer determined solely by nominal precision. Small measurement spots, pattern recognition, autofocus, model stability, tool-to-tool matching, long-term repeatability, edge-exclusion performance, warped-wafer compatibility, and real-time connectivity with factory automation and advanced process-control systems have become equally important. As process windows narrow, film-thickness data will play a deeper role in equipment adjustment, drift detection, virtual metrology, and closed-loop control, making software, model libraries, and application engineering major components of production value.

Demand growth is being driven by the simultaneous expansion of advanced process nodes, three-dimensional memory, power and RF devices, and advanced packaging. The transition of logic devices toward gate-all-around structures, backside power delivery, and more complex interconnects requires frequent monitoring of ultrathin dielectric layers, metal films, and stress-related layers. Continued increases in three-dimensional memory layer counts require metrology systems to address stacks containing tens or hundreds of layers, ultrathick hard masks, and optical-modeling challenges created by high-aspect-ratio structures. Silicon carbide, gallium nitride, RF filters, and MEMS devices are also expanding demand for measurements across different substrates, anisotropic materials, and thicker functional films. In advanced packaging, redistribution layers, photoresists, copper pillars, microbumps, through-silicon vias, bonding, and wafer thinning are accelerating the adoption of multisensor platforms, framed-wafer handling, and warpage compensation. Procurement decisions will increasingly consider measurement time per wafer, effective sampling density,

automation level, recipe-transfer efficiency, tool matching, data integrity, and total cost of ownership rather than instrument precision alone. Benchtop research tools will remain important for material development and process validation, but higher-value growth will increasingly concentrate in automated and integrated platforms capable of cleanroom operation, standard communications, sustained production stability, and integration with yield-management systems. This development will further improve production yield and process stability.

The global supply structure combines concentration in high-end front-end platforms, fragmentation among specialized thin-film instrument suppliers, and accelerating localization. Suppliers in the United States, Israel, and Europe have accumulated strong capabilities in integrated optical metrology for advanced logic and memory, acoustic measurement of metal films, complex modeling software, and global service networks. Japanese suppliers maintain a stable foundation in spectroscopic ellipsometry, spectral interferometry, precision optics, and automated wafer handling. Chinese suppliers are expanding production validation and commercial deployment in dielectric-film metrology, metal-film metrology, optical critical-dimension measurement, and localized fab support. Competition will not be limited to hardware specifications. Leading suppliers will increase customer switching costs through sensor combinations, algorithms, reference-wafer systems, application databases, factory interfaces, and service responsiveness, while specialized suppliers can enter research, specialty-process, and mature-node markets with compact systems, small measurement spots, broad measurement ranges, customization, and lower cost. Production will remain concentrated in regions with strong precision optomechanical, spectroscopy, automation-control, and semiconductor application-engineering capabilities, while sales will closely follow investments in wafer fabrication, memory capacity, power semiconductors, and advanced packaging. Future opportunities will increasingly arise from multimodal sensing, high-speed full-wafer imaging, automated modeling of complex stacks, artificial-intelligence-assisted recipes, localized supply chains, and regional service systems, supporting continued long-term market expansion and technological upgrading.

Report Scope

This report studies the global Wafer Film Thickness Metrology Tool production, demand, key manufacturers, and key regions.

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

Highlights and key features of the study

Global Wafer Film Thickness Metrology Tool total production and demand, 2021-2032, (Units)

Global Wafer Film Thickness Metrology Tool total production value, 2021-2032, (USD Million)

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

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

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

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

Global Wafer Film Thickness Metrology Tool production by Primary Measurement Principle, production, value, CAGR, 2021-2032, (USD Million) & (Units)

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

This report profiles key players in the global Wafer Film Thickness Metrology Tool 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 Corporation, Onto Innovation Inc., Nova Ltd., SCREEN Holdings Co., Ltd., HORIBA, Ltd., Hamamatsu Photonics K.K., Otsuka Holdings Co., Ltd., Lasertec Corporation, J.A. Woollam Co., Inc., Semilab Zrt., 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 Wafer Film Thickness Metrology Tool 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 Primary Measurement Principle, 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 Wafer Film Thickness Metrology Tool Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Wafer Film Thickness Metrology Tool Market, Segmentation by Primary Measurement Principle:

Spectroscopic Reflectometry Dominant

Spectroscopic Ellipsometry Dominant

Spectroscopic Interferometry Dominant

Picosecond Ultrasonics Dominant

Other

Global Wafer Film Thickness Metrology Tool Market, Segmentation by Automation and Deployment Topology:

Manual Benchtop

Semi-Automated Mapping Workstation

Fully Automated Stand-Alone

Integrated or In-Line

Other

Global Wafer Film Thickness Metrology Tool Market, Segmentation by Spatial Sampling and Spot Size:

Macro-Spot Single-Point

Micro-Spot Single-Point

Ultra-Micro-Spot Single-Point

Point-Scanning Mapping

Area-Array Full-Field

Continuous In-Line Monitoring

Other

Global Wafer Film Thickness Metrology Tool Market, Segmentation by Measurement Output Package:

Thickness-Only Output

Thickness and Optical Parameters

Thickness and Mechanical Parameters

Thickness and Geometrical Topography

Thickness and Composition or Structure

Other

Global Wafer Film Thickness Metrology Tool Market, Segmentation by Application:

Logic and Foundry Manufacturing

Memory Manufacturing

Advanced Packaging and Heterogeneous Integration

Power and Compound Semiconductor Manufacturing

MEMS and Sensor Manufacturing

Other

Companies Profiled:

KLA Corporation

Onto Innovation Inc.

Nova Ltd.

SCREEN Holdings Co., Ltd.

HORIBA, Ltd.

Hamamatsu Photonics K.K.

Otsuka Holdings Co., Ltd.

Lasertec Corporation

J.A. Woollam Co., Inc.

Semilab Zrt.

SENTECH Instruments GmbH

Film Sense, LLC

Gaertner Scientific Corporation

Semiconsoft, Inc.

Bruker Corporation

Angstrom Sun Technologies Inc.

Advanced Spectral Technology, Inc.

Camtek Ltd.

Merck KGaA

k-Space Associates, Inc.

Wuhan Jingce Electronic Group Co., Ltd.

Shenzhen Skyverse Technology Co., Ltd.

Key Questions Answered:

1. How big is the global Wafer Film Thickness Metrology Tool market?
2. What is the demand of the global Wafer Film Thickness Metrology Tool market?
3. What is the year over year growth of the global Wafer Film Thickness Metrology Tool market?
4. What is the production and production value of the global Wafer Film Thickness Metrology Tool market?

5. Who are the key producers in the global Wafer Film Thickness Metrology Tool market?
6. What are the growth factors driving the market demand?

Contents

1 SUPPLY SUMMARY

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

2 DEMAND SUMMARY

- 2.1 World Wafer Film Thickness Metrology Tool Demand (2021-2032)
- 2.2 World Wafer Film Thickness Metrology Tool Consumption by Region
 - 2.2.1 World Wafer Film Thickness Metrology Tool Consumption by Region (2021-2026)
 - 2.2.2 World Wafer Film Thickness Metrology Tool Consumption Forecast by Region (2027-2032)
- 2.3 United States Wafer Film Thickness Metrology Tool Consumption (2021-2032)
- 2.4 China Wafer Film Thickness Metrology Tool Consumption (2021-2032)
- 2.5 Europe Wafer Film Thickness Metrology Tool Consumption (2021-2032)
- 2.6 Japan Wafer Film Thickness Metrology Tool Consumption (2021-2032)

2.7 South Korea Wafer Film Thickness Metrology Tool Consumption (2021-2032)

2.8 ASEAN Wafer Film Thickness Metrology Tool Consumption (2021-2032)

2.9 India Wafer Film Thickness Metrology Tool Consumption (2021-2032)

3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS

3.1 World Wafer Film Thickness Metrology Tool Production Value by Manufacturer (2021-2026)

3.2 World Wafer Film Thickness Metrology Tool Production by Manufacturer (2021-2026)

3.3 World Wafer Film Thickness Metrology Tool Average Price by Manufacturer (2021-2026)

3.4 Wafer Film Thickness Metrology Tool Company Evaluation Quadrant

3.5 Industry Rank and Concentration Rate (CR)

3.5.1 Global Wafer Film Thickness Metrology Tool Industry Rank of Major Manufacturers

3.5.2 Global Concentration Ratios (CR4) for Wafer Film Thickness Metrology Tool in 2025

3.5.3 Global Concentration Ratios (CR8) for Wafer Film Thickness Metrology Tool in 2025

3.6 Wafer Film Thickness Metrology Tool Market: Overall Company Footprint Analysis

3.6.1 Wafer Film Thickness Metrology Tool Market: Region Footprint

3.6.2 Wafer Film Thickness Metrology Tool Market: Company Product Type Footprint

3.6.3 Wafer Film Thickness Metrology Tool 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: Wafer Film Thickness Metrology Tool Production Value Comparison

4.1.1 United States VS China: Wafer Film Thickness Metrology Tool Production Value Comparison (2021 & 2025 & 2032)

4.1.2 United States VS China: Wafer Film Thickness Metrology Tool Production Value

Market Share Comparison (2021 & 2025 & 2032)

4.2 United States VS China: Wafer Film Thickness Metrology Tool Production Comparison

4.2.1 United States VS China: Wafer Film Thickness Metrology Tool Production Comparison (2021 & 2025 & 2032)

4.2.2 United States VS China: Wafer Film Thickness Metrology Tool Production Market Share Comparison (2021 & 2025 & 2032)

4.3 United States VS China: Wafer Film Thickness Metrology Tool Consumption Comparison

4.3.1 United States VS China: Wafer Film Thickness Metrology Tool Consumption Comparison (2021 & 2025 & 2032)

4.3.2 United States VS China: Wafer Film Thickness Metrology Tool Consumption Market Share Comparison (2021 & 2025 & 2032)

4.4 United States Based Wafer Film Thickness Metrology Tool Manufacturers and Market Share, 2021-2026

4.4.1 United States Based Wafer Film Thickness Metrology Tool Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers Wafer Film Thickness Metrology Tool Production Value (2021-2026)

4.4.3 United States Based Manufacturers Wafer Film Thickness Metrology Tool Production (2021-2026)

4.5 China Based Wafer Film Thickness Metrology Tool Manufacturers and Market Share

4.5.1 China Based Wafer Film Thickness Metrology Tool Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Wafer Film Thickness Metrology Tool Production Value (2021-2026)

4.5.3 China Based Manufacturers Wafer Film Thickness Metrology Tool Production (2021-2026)

4.6 Rest of World Based Wafer Film Thickness Metrology Tool Manufacturers and Market Share, 2021-2026

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

4.6.2 Rest of World Based Manufacturers Wafer Film Thickness Metrology Tool Production Value (2021-2026)

4.6.3 Rest of World Based Manufacturers Wafer Film Thickness Metrology Tool Production (2021-2026)

5 MARKET ANALYSIS BY PRIMARY MEASUREMENT PRINCIPLE

5.1 World Wafer Film Thickness Metrology Tool Market Size Overview by Primary Measurement Principle: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Primary Measurement Principle

5.2.1 Spectroscopic Reflectometry Dominant

5.2.2 Spectroscopic Ellipsometry Dominant

5.2.3 Spectroscopic Interferometry Dominant

5.2.4 Picosecond Ultrasonics Dominant

5.2.5 Other

5.3 Market Segment by Primary Measurement Principle

5.3.1 World Wafer Film Thickness Metrology Tool Production by Primary Measurement Principle (2021-2032)

5.3.2 World Wafer Film Thickness Metrology Tool Production Value by Primary Measurement Principle (2021-2032)

5.3.3 World Wafer Film Thickness Metrology Tool Average Price by Primary Measurement Principle (2021-2032)

6 MARKET ANALYSIS BY AUTOMATION AND DEPLOYMENT TOPOLOGY

6.1 World Wafer Film Thickness Metrology Tool Market Size Overview by Automation and Deployment Topology: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Automation and Deployment Topology

6.2.1 Manual Benchtop

6.2.2 Semi-Automated Mapping Workstation

6.2.3 Fully Automated Stand-Alone

6.2.4 Integrated or In-Line

6.2.5 Other

6.3 Market Segment by Automation and Deployment Topology

6.3.1 World Wafer Film Thickness Metrology Tool Production by Automation and Deployment Topology (2021-2032)

6.3.2 World Wafer Film Thickness Metrology Tool Production Value by Automation and Deployment Topology (2021-2032)

6.3.3 World Wafer Film Thickness Metrology Tool Average Price by Automation and Deployment Topology (2021-2032)

7 MARKET ANALYSIS BY SPATIAL SAMPLING AND SPOT SIZE

7.1 World Wafer Film Thickness Metrology Tool Market Size Overview by Spatial Sampling and Spot Size: 2021 VS 2025 VS 2032

7.2 Segment Introduction by Spatial Sampling and Spot Size

7.2.1 Macro-Spot Single-Point

7.2.2 Micro-Spot Single-Point

7.2.3 Ultra-Micro-Spot Single-Point

7.2.4 Point-Scanning Mapping

7.2.5 Area-Array Full-Field

7.2.6 Continuous In-Line Monitoring

7.2.7 Other

7.3 Market Segment by Spatial Sampling and Spot Size

7.3.1 World Wafer Film Thickness Metrology Tool Production by Spatial Sampling and Spot Size (2021-2032)

7.3.2 World Wafer Film Thickness Metrology Tool Production Value by Spatial Sampling and Spot Size (2021-2032)

7.3.3 World Wafer Film Thickness Metrology Tool Average Price by Spatial Sampling and Spot Size (2021-2032)

8 MARKET ANALYSIS BY MEASUREMENT OUTPUT PACKAGE

8.1 World Wafer Film Thickness Metrology Tool Market Size Overview by Measurement Output Package: 2021 VS 2025 VS 2032

8.2 Segment Introduction by Measurement Output Package

8.2.1 Thickness-Only Output

8.2.2 Thickness and Optical Parameters

8.2.3 Thickness and Mechanical Parameters

8.2.4 Thickness and Geometrical Topography

8.2.5 Thickness and Composition or Structure

8.2.6 Other

8.3 Market Segment by Measurement Output Package

8.3.1 World Wafer Film Thickness Metrology Tool Production by Measurement Output Package (2021-2032)

8.3.2 World Wafer Film Thickness Metrology Tool Production Value by Measurement Output Package (2021-2032)

8.3.3 World Wafer Film Thickness Metrology Tool Average Price by Measurement Output Package (2021-2032)

9 MARKET ANALYSIS BY APPLICATION

9.1 World Wafer Film Thickness Metrology Tool Market Size Overview by Application: 2021 VS 2025 VS 2032

9.2 Segment Introduction by Application

9.2.1 Logic and Foundry Manufacturing

9.2.2 Memory Manufacturing

9.2.3 Advanced Packaging and Heterogeneous Integration

9.2.4 Power and Compound Semiconductor Manufacturing

9.2.5 MEMS and Sensor Manufacturing

9.2.6 Other

9.3 Market Segment by Application

9.3.1 World Wafer Film Thickness Metrology Tool Production by Application (2021-2032)

9.3.2 World Wafer Film Thickness Metrology Tool Production Value by Application (2021-2032)

9.3.3 World Wafer Film Thickness Metrology Tool Average Price by Application (2021-2032)

10 COMPANY PROFILES

10.1 KLA Corporation

10.1.1 KLA Corporation Details

10.1.2 KLA Corporation Major Business

10.1.3 KLA Corporation Wafer Film Thickness Metrology Tool Product and Services

10.1.4 KLA Corporation Wafer Film Thickness Metrology Tool Production, Price, Value, Gross Margin and Market Share (2021-2026)

10.1.5 KLA Corporation Recent Developments/Updates

10.1.6 KLA Corporation Competitive Strengths & Weaknesses

10.2 Onto Innovation Inc.

10.2.1 Onto Innovation Inc. Details

10.2.2 Onto Innovation Inc. Major Business

10.2.3 Onto Innovation Inc. Wafer Film Thickness Metrology Tool Product and Services

10.2.4 Onto Innovation Inc. Wafer Film Thickness Metrology Tool Production, Price, Value, Gross Margin and Market Share (2021-2026)

10.2.5 Onto Innovation Inc. Recent Developments/Updates

10.2.6 Onto Innovation Inc. Competitive Strengths & Weaknesses

10.3 Nova Ltd.

10.3.1 Nova Ltd. Details

10.3.2 Nova Ltd. Major Business

10.3.3 Nova Ltd. Wafer Film Thickness Metrology Tool Product and Services

10.3.4 Nova Ltd. Wafer Film Thickness Metrology Tool Production, Price, Value, Gross

Margin and Market Share (2021-2026)

10.3.5 Nova Ltd. Recent Developments/Updates

10.3.6 Nova Ltd. Competitive Strengths & Weaknesses

10.4 SCREEN Holdings Co., Ltd.

10.4.1 SCREEN Holdings Co., Ltd. Details

10.4.2 SCREEN Holdings Co., Ltd. Major Business

10.4.3 SCREEN Holdings Co., Ltd. Wafer Film Thickness Metrology Tool Product and Services

10.4.4 SCREEN Holdings Co., Ltd. Wafer Film Thickness Metrology Tool Production, Price, Value, Gross Margin and Market Share (2021-2026)

10.4.5 SCREEN Holdings Co., Ltd. Recent Developments/Updates

10.4.6 SCREEN Holdings Co., Ltd. Competitive Strengths & Weaknesses

10.5 HORIBA, Ltd.

10.5.1 HORIBA, Ltd. Details

10.5.2 HORIBA, Ltd. Major Business

10.5.3 HORIBA, Ltd. Wafer Film Thickness Metrology Tool Product and Services

10.5.4 HORIBA, Ltd. Wafer Film Thickness Metrology Tool Production, Price, Value, Gross Margin and Market Share (2021-2026)

10.5.5 HORIBA, Ltd. Recent Developments/Updates

10.5.6 HORIBA, Ltd. Competitive Strengths & Weaknesses

10.6 Hamamatsu Photonics K.K.

10.6.1 Hamamatsu Photonics K.K. Details

10.6.2 Hamamatsu Photonics K.K. Major Business

10.6.3 Hamamatsu Photonics K.K. Wafer Film Thickness Metrology Tool Product and Services

10.6.4 Hamamatsu Photonics K.K. Wafer Film Thickness Metrology Tool Production, Price, Value, Gross Margin and Market Share (2021-2026)

10.6.5 Hamamatsu Photonics K.K. Recent Developments/Updates

10.6.6 Hamamatsu Photonics K.K. Competitive Strengths & Weaknesses

10.7 Otsuka Holdings Co., Ltd.

10.7.1 Otsuka Holdings Co., Ltd. Details

10.7.2 Otsuka Holdings Co., Ltd. Major Business

10.7.3 Otsuka Holdings Co., Ltd. Wafer Film Thickness Metrology Tool Product and Services

10.7.4 Otsuka Holdings Co., Ltd. Wafer Film Thickness Metrology Tool Production, Price, Value, Gross Margin and Market Share (2021-2026)

10.7.5 Otsuka Holdings Co., Ltd. Recent Developments/Updates

10.7.6 Otsuka Holdings Co., Ltd. Competitive Strengths & Weaknesses

10.8 Lasertec Corporation

- 10.8.1 Lasertec Corporation Details
- 10.8.2 Lasertec Corporation Major Business
- 10.8.3 Lasertec Corporation Wafer Film Thickness Metrology Tool Product and Services
- 10.8.4 Lasertec Corporation Wafer Film Thickness Metrology Tool Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 10.8.5 Lasertec Corporation Recent Developments/Updates
- 10.8.6 Lasertec Corporation Competitive Strengths & Weaknesses
- 10.9 J.A. Woollam Co., Inc.
 - 10.9.1 J.A. Woollam Co., Inc. Details
 - 10.9.2 J.A. Woollam Co., Inc. Major Business
 - 10.9.3 J.A. Woollam Co., Inc. Wafer Film Thickness Metrology Tool Product and Services
 - 10.9.4 J.A. Woollam Co., Inc. Wafer Film Thickness Metrology Tool Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 10.9.5 J.A. Woollam Co., Inc. Recent Developments/Updates
 - 10.9.6 J.A. Woollam Co., Inc. Competitive Strengths & Weaknesses
- 10.10 Semilab Zrt.
 - 10.10.1 Semilab Zrt. Details
 - 10.10.2 Semilab Zrt. Major Business
 - 10.10.3 Semilab Zrt. Wafer Film Thickness Metrology Tool Product and Services
 - 10.10.4 Semilab Zrt. Wafer Film Thickness Metrology Tool Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 10.10.5 Semilab Zrt. Recent Developments/Updates
 - 10.10.6 Semilab Zrt. Competitive Strengths & Weaknesses
- 10.11 SENTECH Instruments GmbH
 - 10.11.1 SENTECH Instruments GmbH Details
 - 10.11.2 SENTECH Instruments GmbH Major Business
 - 10.11.3 SENTECH Instruments GmbH Wafer Film Thickness Metrology Tool Product and Services
 - 10.11.4 SENTECH Instruments GmbH Wafer Film Thickness Metrology Tool Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 10.11.5 SENTECH Instruments GmbH Recent Developments/Updates
 - 10.11.6 SENTECH Instruments GmbH Competitive Strengths & Weaknesses
- 10.12 Film Sense, LLC
 - 10.12.1 Film Sense, LLC Details
 - 10.12.2 Film Sense, LLC Major Business
 - 10.12.3 Film Sense, LLC Wafer Film Thickness Metrology Tool Product and Services
 - 10.12.4 Film Sense, LLC Wafer Film Thickness Metrology Tool Production, Price,

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

10.12.5 Film Sense, LLC Recent Developments/Updates

10.12.6 Film Sense, LLC Competitive Strengths & Weaknesses

10.13 Gaertner Scientific Corporation

10.13.1 Gaertner Scientific Corporation Details

10.13.2 Gaertner Scientific Corporation Major Business

10.13.3 Gaertner Scientific Corporation Wafer Film Thickness Metrology Tool Product and Services

10.13.4 Gaertner Scientific Corporation Wafer Film Thickness Metrology Tool Production, Price, Value, Gross Margin and Market Share (2021-2026)

10.13.5 Gaertner Scientific Corporation Recent Developments/Updates

10.13.6 Gaertner Scientific Corporation Competitive Strengths & Weaknesses

10.14 Semiconsoft, Inc.

10.14.1 Semiconsoft, Inc. Details

10.14.2 Semiconsoft, Inc. Major Business

10.14.3 Semiconsoft, Inc. Wafer Film Thickness Metrology Tool Product and Services

10.14.4 Semiconsoft, Inc. Wafer Film Thickness Metrology Tool Production, Price, Value, Gross Margin and Market Share (2021-2026)

10.14.5 Semiconsoft, Inc. Recent Developments/Updates

10.14.6 Semiconsoft, Inc. Competitive Strengths & Weaknesses

10.15 Bruker Corporation

10.15.1 Bruker Corporation Details

10.15.2 Bruker Corporation Major Business

10.15.3 Bruker Corporation Wafer Film Thickness Metrology Tool Product and Services

10.15.4 Bruker Corporation Wafer Film Thickness Metrology Tool Production, Price, Value, Gross Margin and Market Share (2021-2026)

10.15.5 Bruker Corporation Recent Developments/Updates

10.15.6 Bruker Corporation Competitive Strengths & Weaknesses

10.16 Angstrom Sun Technologies Inc.

10.16.1 Angstrom Sun Technologies Inc. Details

10.16.2 Angstrom Sun Technologies Inc. Major Business

10.16.3 Angstrom Sun Technologies Inc. Wafer Film Thickness Metrology Tool Product and Services

10.16.4 Angstrom Sun Technologies Inc. Wafer Film Thickness Metrology Tool Production, Price, Value, Gross Margin and Market Share (2021-2026)

10.16.5 Angstrom Sun Technologies Inc. Recent Developments/Updates

10.16.6 Angstrom Sun Technologies Inc. Competitive Strengths & Weaknesses

10.17 Advanced Spectral Technology, Inc.

- 10.17.1 Advanced Spectral Technology, Inc. Details
- 10.17.2 Advanced Spectral Technology, Inc. Major Business
- 10.17.3 Advanced Spectral Technology, Inc. Wafer Film Thickness Metrology Tool Product and Services
- 10.17.4 Advanced Spectral Technology, Inc. Wafer Film Thickness Metrology Tool Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 10.17.5 Advanced Spectral Technology, Inc. Recent Developments/Updates
- 10.17.6 Advanced Spectral Technology, Inc. Competitive Strengths & Weaknesses
- 10.18 Camtek Ltd.
- 10.18.1 Camtek Ltd. Details
- 10.18.2 Camtek Ltd. Major Business
- 10.18.3 Camtek Ltd. Wafer Film Thickness Metrology Tool Product and Services
- 10.18.4 Camtek Ltd. Wafer Film Thickness Metrology Tool Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 10.18.5 Camtek Ltd. Recent Developments/Updates
- 10.18.6 Camtek Ltd. Competitive Strengths & Weaknesses
- 10.19 Merck KGaA
- 10.19.1 Merck KGaA Details
- 10.19.2 Merck KGaA Major Business
- 10.19.3 Merck KGaA Wafer Film Thickness Metrology Tool Product and Services
- 10.19.4 Merck KGaA Wafer Film Thickness Metrology Tool Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 10.19.5 Merck KGaA Recent Developments/Updates
- 10.19.6 Merck KGaA Competitive Strengths & Weaknesses
- 10.20 k-Space Associates, Inc.
- 10.20.1 k-Space Associates, Inc. Details
- 10.20.2 k-Space Associates, Inc. Major Business
- 10.20.3 k-Space Associates, Inc. Wafer Film Thickness Metrology Tool Product and Services
- 10.20.4 k-Space Associates, Inc. Wafer Film Thickness Metrology Tool Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 10.20.5 k-Space Associates, Inc. Recent Developments/Updates
- 10.20.6 k-Space Associates, Inc. Competitive Strengths & Weaknesses
- 10.21 Wuhan Jingce Electronic Group Co., Ltd.
- 10.21.1 Wuhan Jingce Electronic Group Co., Ltd. Details
- 10.21.2 Wuhan Jingce Electronic Group Co., Ltd. Major Business
- 10.21.3 Wuhan Jingce Electronic Group Co., Ltd. Wafer Film Thickness Metrology Tool Product and Services
- 10.21.4 Wuhan Jingce Electronic Group Co., Ltd. Wafer Film Thickness Metrology

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

10.21.5 Wuhan Jingce Electronic Group Co., Ltd. Recent Developments/Updates

10.21.6 Wuhan Jingce Electronic Group Co., Ltd. Competitive Strengths & Weaknesses

10.22 Shenzhen Skyverse Technology Co., Ltd.

10.22.1 Shenzhen Skyverse Technology Co., Ltd. Details

10.22.2 Shenzhen Skyverse Technology Co., Ltd. Major Business

10.22.3 Shenzhen Skyverse Technology Co., Ltd. Wafer Film Thickness Metrology

Tool Product and Services

10.22.4 Shenzhen Skyverse Technology Co., Ltd. Wafer Film Thickness Metrology

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

10.22.5 Shenzhen Skyverse Technology Co., Ltd. Recent Developments/Updates

10.22.6 Shenzhen Skyverse Technology Co., Ltd. Competitive Strengths & Weaknesses

11 INDUSTRY CHAIN ANALYSIS

11.1 Wafer Film Thickness Metrology Tool Industry Chain

11.2 Wafer Film Thickness Metrology Tool Upstream Analysis

11.2.1 Wafer Film Thickness Metrology Tool Core Raw Materials

11.2.2 Main Manufacturers of Wafer Film Thickness Metrology Tool Core Raw Materials

11.3 Midstream Analysis

11.4 Downstream Analysis

11.5 Wafer Film Thickness Metrology Tool Production Mode

11.6 Wafer Film Thickness Metrology Tool Procurement Model

11.7 Wafer Film Thickness Metrology Tool Industry Sales Model and Sales Channels

11.7.1 Wafer Film Thickness Metrology Tool Sales Model

11.7.2 Wafer Film Thickness Metrology Tool Typical Distributors

12 RESEARCH FINDINGS AND CONCLUSION

13 APPENDIX

13.1 Methodology

13.2 Research Process and Data Source

13.3 Disclaimer

List Of Tables

LIST OF TABLES

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

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

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

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

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

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

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

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

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

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

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

Table 12. Wafer Film Thickness Metrology Tool Major Market Trends

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

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

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

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

Table 17. Production Value Market Share of Key Wafer Film Thickness Metrology Tool Producers in 2025

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

Table 19. Production Market Share of Key Wafer Film Thickness Metrology Tool Producers in 2025

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

Table 21. Global Wafer Film Thickness Metrology Tool Company Evaluation Quadrant

Table 22. World Wafer Film Thickness Metrology Tool Industry Rank of Major Manufacturers, Based on Production Value in 2025

Table 23. Head Office and Wafer Film Thickness Metrology Tool Production Site of Key Manufacturer

Table 24. Wafer Film Thickness Metrology Tool Market: Company Product Type Footprint

Table 25. Wafer Film Thickness Metrology Tool Market: Company Product Application Footprint

Table 26. Wafer Film Thickness Metrology Tool Competitive Factors

Table 27. Wafer Film Thickness Metrology Tool New Entrant and Capacity Expansion Plans

Table 28. Wafer Film Thickness Metrology Tool Mergers & Acquisitions Activity

Table 29. United States VS China Wafer Film Thickness Metrology Tool Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Table 47. World Wafer Film Thickness Metrology Tool Production Value by Primary Measurement Principle, (USD Million), 2021 & 2025 & 2032

Table 48. World Wafer Film Thickness Metrology Tool Production by Primary Measurement Principle (2021-2026) & (Units)

Table 49. World Wafer Film Thickness Metrology Tool Production by Primary Measurement Principle (2027-2032) & (Units)

Table 50. World Wafer Film Thickness Metrology Tool Production Value by Primary Measurement Principle (2021-2026) & (USD Million)

Table 51. World Wafer Film Thickness Metrology Tool Production Value by Primary Measurement Principle (2027-2032) & (USD Million)

Table 52. World Wafer Film Thickness Metrology Tool Average Price by Primary Measurement Principle (2021-2026) & (US\$/Unit)

Table 53. World Wafer Film Thickness Metrology Tool Average Price by Primary Measurement Principle (2027-2032) & (US\$/Unit)

Table 54. World Wafer Film Thickness Metrology Tool Production Value by Automation and Deployment Topology, (USD Million), 2021 & 2025 & 2032

Table 55. World Wafer Film Thickness Metrology Tool Production by Automation and Deployment Topology (2021-2026) & (Units)

Table 56. World Wafer Film Thickness Metrology Tool Production by Automation and Deployment Topology (2027-2032) & (Units)

Table 57. World Wafer Film Thickness Metrology Tool Production Value by Automation and Deployment Topology (2021-2026) & (USD Million)

Table 58. World Wafer Film Thickness Metrology Tool Production Value by Automation and Deployment Topology (2027-2032) & (USD Million)

Table 59. World Wafer Film Thickness Metrology Tool Average Price by Automation

and Deployment Topology (2021-2026) & (US\$/Unit)

Table 60. World Wafer Film Thickness Metrology Tool Average Price by Automation and Deployment Topology (2027-2032) & (US\$/Unit)

Table 61. World Wafer Film Thickness Metrology Tool Production Value by Spatial Sampling and Spot Size, (USD Million), 2021 & 2025 & 2032

Table 62. World Wafer Film Thickness Metrology Tool Production by Spatial Sampling and Spot Size (2021-2026) & (Units)

Table 63. World Wafer Film Thickness Metrology Tool Production by Spatial Sampling and Spot Size (2027-2032) & (Units)

Table 64. World Wafer Film Thickness Metrology Tool Production Value by Spatial Sampling and Spot Size (2021-2026) & (USD Million)

Table 65. World Wafer Film Thickness Metrology Tool Production Value by Spatial Sampling and Spot Size (2027-2032) & (USD Million)

Table 66. World Wafer Film Thickness Metrology Tool Average Price by Spatial Sampling and Spot Size (2021-2026) & (US\$/Unit)

Table 67. World Wafer Film Thickness Metrology Tool Average Price by Spatial Sampling and Spot Size (2027-2032) & (US\$/Unit)

Table 68. World Wafer Film Thickness Metrology Tool Production Value by Measurement Output Package, (USD Million), 2021 & 2025 & 2032

Table 69. World Wafer Film Thickness Metrology Tool Production by Measurement Output Package (2021-2026) & (Units)

Table 70. World Wafer Film Thickness Metrology Tool Production by Measurement Output Package (2027-2032) & (Units)

Table 71. World Wafer Film Thickness Metrology Tool Production Value by Measurement Output Package (2021-2026) & (USD Million)

Table 72. World Wafer Film Thickness Metrology Tool Production Value by Measurement Output Package (2027-2032) & (USD Million)

Table 73. World Wafer Film Thickness Metrology Tool Average Price by Measurement Output Package (2021-2026) & (US\$/Unit)

Table 74. World Wafer Film Thickness Metrology Tool Average Price by Measurement Output Package (2027-2032) & (US\$/Unit)

Table 75. World Wafer Film Thickness Metrology Tool Production Value by Application, (USD Million), 2021 & 2025 & 2032

Table 76. World Wafer Film Thickness Metrology Tool Production by Application (2021-2026) & (Units)

Table 77. World Wafer Film Thickness Metrology Tool Production by Application (2027-2032) & (Units)

Table 78. World Wafer Film Thickness Metrology Tool Production Value by Application (2021-2026) & (USD Million)

Table 79. World Wafer Film Thickness Metrology Tool Production Value by Application (2027-2032) & (USD Million)

Table 80. World Wafer Film Thickness Metrology Tool Average Price by Application (2021-2026) & (US\$/Unit)

Table 81. World Wafer Film Thickness Metrology Tool Average Price by Application (2027-2032) & (US\$/Unit)

Table 82. KLA Corporation Basic Information, Manufacturing Base and Competitors

Table 83. KLA Corporation Major Business

Table 84. KLA Corporation Wafer Film Thickness Metrology Tool Product and Services

Table 85. KLA Corporation Wafer Film Thickness Metrology Tool Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 86. KLA Corporation Recent Developments/Updates

Table 87. KLA Corporation Competitive Strengths & Weaknesses

Table 88. Onto Innovation Inc. Basic Information, Manufacturing Base and Competitors

Table 89. Onto Innovation Inc. Major Business

Table 90. Onto Innovation Inc. Wafer Film Thickness Metrology Tool Product and Services

Table 91. Onto Innovation Inc. Wafer Film Thickness Metrology Tool Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 92. Onto Innovation Inc. Recent Developments/Updates

Table 93. Onto Innovation Inc. Competitive Strengths & Weaknesses

Table 94. Nova Ltd. Basic Information, Manufacturing Base and Competitors

Table 95. Nova Ltd. Major Business

Table 96. Nova Ltd. Wafer Film Thickness Metrology Tool Product and Services

Table 97. Nova Ltd. Wafer Film Thickness Metrology Tool Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 98. Nova Ltd. Recent Developments/Updates

Table 99. Nova Ltd. Competitive Strengths & Weaknesses

Table 100. SCREEN Holdings Co., Ltd. Basic Information, Manufacturing Base and Competitors

Table 101. SCREEN Holdings Co., Ltd. Major Business

Table 102. SCREEN Holdings Co., Ltd. Wafer Film Thickness Metrology Tool Product and Services

Table 103. SCREEN Holdings Co., Ltd. Wafer Film Thickness Metrology Tool Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 104. SCREEN Holdings Co., Ltd. Recent Developments/Updates
Table 105. SCREEN Holdings Co., Ltd. Competitive Strengths & Weaknesses
Table 106. HORIBA, Ltd. Basic Information, Manufacturing Base and Competitors
Table 107. HORIBA, Ltd. Major Business
Table 108. HORIBA, Ltd. Wafer Film Thickness Metrology Tool Product and Services
Table 109. HORIBA, Ltd. Wafer Film Thickness Metrology Tool Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 110. HORIBA, Ltd. Recent Developments/Updates
Table 111. HORIBA, Ltd. Competitive Strengths & Weaknesses
Table 112. Hamamatsu Photonics K.K. Basic Information, Manufacturing Base and Competitors
Table 113. Hamamatsu Photonics K.K. Major Business
Table 114. Hamamatsu Photonics K.K. Wafer Film Thickness Metrology Tool Product and Services
Table 115. Hamamatsu Photonics K.K. Wafer Film Thickness Metrology Tool Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 116. Hamamatsu Photonics K.K. Recent Developments/Updates
Table 117. Hamamatsu Photonics K.K. Competitive Strengths & Weaknesses
Table 118. Otsuka Holdings Co., Ltd. Basic Information, Manufacturing Base and Competitors
Table 119. Otsuka Holdings Co., Ltd. Major Business
Table 120. Otsuka Holdings Co., Ltd. Wafer Film Thickness Metrology Tool Product and Services
Table 121. Otsuka Holdings Co., Ltd. Wafer Film Thickness Metrology Tool Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 122. Otsuka Holdings Co., Ltd. Recent Developments/Updates
Table 123. Otsuka Holdings Co., Ltd. Competitive Strengths & Weaknesses
Table 124. Lasertec Corporation Basic Information, Manufacturing Base and Competitors
Table 125. Lasertec Corporation Major Business
Table 126. Lasertec Corporation Wafer Film Thickness Metrology Tool Product and Services
Table 127. Lasertec Corporation Wafer Film Thickness Metrology Tool Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 128. Lasertec Corporation Recent Developments/Updates

Table 129. Lasertec Corporation Competitive Strengths & Weaknesses
Table 130. J.A. Woollam Co., Inc. Basic Information, Manufacturing Base and Competitors
Table 131. J.A. Woollam Co., Inc. Major Business
Table 132. J.A. Woollam Co., Inc. Wafer Film Thickness Metrology Tool Product and Services
Table 133. J.A. Woollam Co., Inc. Wafer Film Thickness Metrology Tool Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 134. J.A. Woollam Co., Inc. Recent Developments/Updates
Table 135. J.A. Woollam Co., Inc. Competitive Strengths & Weaknesses
Table 136. Semilab Zrt. Basic Information, Manufacturing Base and Competitors
Table 137. Semilab Zrt. Major Business
Table 138. Semilab Zrt. Wafer Film Thickness Metrology Tool Product and Services
Table 139. Semilab Zrt. Wafer Film Thickness Metrology Tool Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 140. Semilab Zrt. Recent Developments/Updates
Table 141. Semilab Zrt. Competitive Strengths & Weaknesses
Table 142. SENTECH Instruments GmbH Basic Information, Manufacturing Base and Competitors
Table 143. SENTECH Instruments GmbH Major Business
Table 144. SENTECH Instruments GmbH Wafer Film Thickness Metrology Tool Product and Services
Table 145. SENTECH Instruments GmbH Wafer Film Thickness Metrology Tool Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 146. SENTECH Instruments GmbH Recent Developments/Updates
Table 147. SENTECH Instruments GmbH Competitive Strengths & Weaknesses
Table 148. Film Sense, LLC Basic Information, Manufacturing Base and Competitors
Table 149. Film Sense, LLC Major Business
Table 150. Film Sense, LLC Wafer Film Thickness Metrology Tool Product and Services
Table 151. Film Sense, LLC Wafer Film Thickness Metrology Tool Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 152. Film Sense, LLC Recent Developments/Updates
Table 153. Film Sense, LLC Competitive Strengths & Weaknesses
Table 154. Gaertner Scientific Corporation Basic Information, Manufacturing Base and Competitors

Table 155. Gaertner Scientific Corporation Major Business

Table 156. Gaertner Scientific Corporation Wafer Film Thickness Metrology Tool Product and Services

Table 157. Gaertner Scientific Corporation Wafer Film Thickness Metrology Tool Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 158. Gaertner Scientific Corporation Recent Developments/Updates

Table 159. Gaertner Scientific Corporation Competitive Strengths & Weaknesses

Table 160. Semiconsoft, Inc. Basic Information, Manufacturing Base and Competitors

Table 161. Semiconsoft, Inc. Major Business

Table 162. Semiconsoft, Inc. Wafer Film Thickness Metrology Tool Product and Services

Table 163. Semiconsoft, Inc. Wafer Film Thickness Metrology Tool Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 164. Semiconsoft, Inc. Recent Developments/Updates

Table 165. Semiconsoft, Inc. Competitive Strengths & Weaknesses

Table 166. Bruker Corporation Basic Information, Manufacturing Base and Competitors

Table 167. Bruker Corporation Major Business

Table 168. Bruker Corporation Wafer Film Thickness Metrology Tool Product and Services

Table 169. Bruker Corporation Wafer Film Thickness Metrology Tool Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 170. Bruker Corporation Recent Developments/Updates

Table 171. Bruker Corporation Competitive Strengths & Weaknesses

Table 172. Angstrom Sun Technologies Inc. Basic Information, Manufacturing Base and Competitors

Table 173. Angstrom Sun Technologies Inc. Major Business

Table 174. Angstrom Sun Technologies Inc. Wafer Film Thickness Metrology Tool Product and Services

Table 175. Angstrom Sun Technologies Inc. Wafer Film Thickness Metrology Tool Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 176. Angstrom Sun Technologies Inc. Recent Developments/Updates

Table 177. Angstrom Sun Technologies Inc. Competitive Strengths & Weaknesses

Table 178. Advanced Spectral Technology, Inc. Basic Information, Manufacturing Base and Competitors

Table 179. Advanced Spectral Technology, Inc. Major Business

Table 180. Advanced Spectral Technology, Inc. Wafer Film Thickness Metrology Tool Product and Services

Table 181. Advanced Spectral Technology, Inc. Wafer Film Thickness Metrology Tool Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 182. Advanced Spectral Technology, Inc. Recent Developments/Updates

Table 183. Advanced Spectral Technology, Inc. Competitive Strengths & Weaknesses

Table 184. Camtek Ltd. Basic Information, Manufacturing Base and Competitors

Table 185. Camtek Ltd. Major Business

Table 186. Camtek Ltd. Wafer Film Thickness Metrology Tool Product and Services

Table 187. Camtek Ltd. Wafer Film Thickness Metrology Tool Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 188. Camtek Ltd. Recent Developments/Updates

Table 189. Camtek Ltd. Competitive Strengths & Weaknesses

Table 190. Merck KGaA Basic Information, Manufacturing Base and Competitors

Table 191. Merck KGaA Major Business

Table 192. Merck KGaA Wafer Film Thickness Metrology Tool Product and Services

Table 193. Merck KGaA Wafer Film Thickness Metrology Tool Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 194. Merck KGaA Recent Developments/Updates

Table 195. Merck KGaA Competitive Strengths & Weaknesses

Table 196. k-Space Associates, Inc. Basic Information, Manufacturing Base and Competitors

Table 197. k-Space Associates, Inc. Major Business

Table 198. k-Space Associates, Inc. Wafer Film Thickness Metrology Tool Product and Services

Table 199. k-Space Associates, Inc. Wafer Film Thickness Metrology Tool Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 200. k-Space Associates, Inc. Recent Developments/Updates

Table 201. k-Space Associates, Inc. Competitive Strengths & Weaknesses

Table 202. Wuhan Jingce Electronic Group Co., Ltd. Basic Information, Manufacturing Base and Competitors

Table 203. Wuhan Jingce Electronic Group Co., Ltd. Major Business

Table 204. Wuhan Jingce Electronic Group Co., Ltd. Wafer Film Thickness Metrology Tool Product and Services

Table 205. Wuhan Jingce Electronic Group Co., Ltd. Wafer Film Thickness Metrology

Tool Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 206. Wuhan Jingce Electronic Group Co., Ltd. Recent Developments/Updates

Table 207. Wuhan Jingce Electronic Group Co., Ltd. Competitive Strengths & Weaknesses

Table 208. Shenzhen Skyverse Technology Co., Ltd. Basic Information, Manufacturing Base and Competitors

Table 209. Shenzhen Skyverse Technology Co., Ltd. Major Business

Table 210. Shenzhen Skyverse Technology Co., Ltd. Wafer Film Thickness Metrology Tool Product and Services

Table 211. Shenzhen Skyverse Technology Co., Ltd. Wafer Film Thickness Metrology Tool Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 212. Shenzhen Skyverse Technology Co., Ltd. Recent Developments/Updates

Table 213. Shenzhen Skyverse Technology Co., Ltd. Competitive Strengths & Weaknesses

Table 214. Global Key Players of Wafer Film Thickness Metrology Tool Upstream (Raw Materials)

Table 215. Global Wafer Film Thickness Metrology Tool Typical Customers

Table 216. Wafer Film Thickness Metrology Tool Typical Distributors

List Of Figures

LIST OF FIGURES

- Figure 1. Wafer Film Thickness Metrology Tool Picture
- Figure 2. World Wafer Film Thickness Metrology Tool Production Value: 2021 & 2025 & 2032, (USD Million)
- Figure 3. World Wafer Film Thickness Metrology Tool Production Value and Forecast (2021-2032) & (USD Million)
- Figure 4. World Wafer Film Thickness Metrology Tool Production (2021-2032) & (Units)
- Figure 5. World Wafer Film Thickness Metrology Tool Average Price (2021-2032) & (US\$/Unit)
- Figure 6. World Wafer Film Thickness Metrology Tool Production Value Market Share by Region (2021-2032)
- Figure 7. World Wafer Film Thickness Metrology Tool Production Market Share by Region (2021-2032)
- Figure 8. North America Wafer Film Thickness Metrology Tool Production (2021-2032) & (Units)
- Figure 9. Europe Wafer Film Thickness Metrology Tool Production (2021-2032) & (Units)
- Figure 10. China Wafer Film Thickness Metrology Tool Production (2021-2032) & (Units)
- Figure 11. Japan Wafer Film Thickness Metrology Tool Production (2021-2032) & (Units)
- Figure 12. South Korea Wafer Film Thickness Metrology Tool Production (2021-2032) & (Units)
- Figure 13. Wafer Film Thickness Metrology Tool Market Drivers
- Figure 14. Factors Affecting Demand
- Figure 15. World Wafer Film Thickness Metrology Tool Consumption (2021-2032) & (Units)
- Figure 16. World Wafer Film Thickness Metrology Tool Consumption Market Share by Region (2021-2032)
- Figure 17. United States Wafer Film Thickness Metrology Tool Consumption (2021-2032) & (Units)
- Figure 18. China Wafer Film Thickness Metrology Tool Consumption (2021-2032) & (Units)
- Figure 19. Europe Wafer Film Thickness Metrology Tool Consumption (2021-2032) & (Units)
- Figure 20. Japan Wafer Film Thickness Metrology Tool Consumption (2021-2032) & (Units)

(Units)

Figure 21. South Korea Wafer Film Thickness Metrology Tool Consumption (2021-2032) & (Units)

Figure 22. ASEAN Wafer Film Thickness Metrology Tool Consumption (2021-2032) & (Units)

Figure 23. India Wafer Film Thickness Metrology Tool Consumption (2021-2032) & (Units)

Figure 24. Producer Shipments of Wafer Film Thickness Metrology Tool by Manufacturer Revenue (\$MM) and Market Share (%): 2025

Figure 25. Global Four-firm Concentration Ratios (CR4) for Wafer Film Thickness Metrology Tool Markets in 2025

Figure 26. Global Four-firm Concentration Ratios (CR8) for Wafer Film Thickness Metrology Tool Markets in 2025

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

Figure 28. United States VS China: Wafer Film Thickness Metrology Tool Production Market Share Comparison (2021 & 2025 & 2032)

Figure 29. United States VS China: Wafer Film Thickness Metrology Tool Consumption Market Share Comparison (2021 & 2025 & 2032)

Figure 30. United States Based Manufacturers Wafer Film Thickness Metrology Tool Production Market Share 2025

Figure 31. China Based Manufacturers Wafer Film Thickness Metrology Tool Production Market Share 2025

Figure 32. Rest of World Based Manufacturers Wafer Film Thickness Metrology Tool Production Market Share 2025

Figure 33. World Wafer Film Thickness Metrology Tool Production Value by Primary Measurement Principle, (USD Million), 2021 & 2025 & 2032

Figure 34. World Wafer Film Thickness Metrology Tool Production Value Market Share by Primary Measurement Principle in 2025

Figure 35. Spectroscopic Reflectometry Dominant

Figure 36. Spectroscopic Ellipsometry Dominant

Figure 37. Spectroscopic Interferometry Dominant

Figure 38. Picosecond Ultrasonics Dominant

Figure 39. Other

Figure 40. World Wafer Film Thickness Metrology Tool Production Market Share by Primary Measurement Principle (2021-2032)

Figure 41. World Wafer Film Thickness Metrology Tool Production Value Market Share by Primary Measurement Principle (2021-2032)

Figure 42. World Wafer Film Thickness Metrology Tool Average Price by Primary

Measurement Principle (2021-2032) & (US\$/Unit)

Figure 43. World Wafer Film Thickness Metrology Tool Production Value by Automation and Deployment Topology, (USD Million), 2021 & 2025 & 2032

Figure 44. World Wafer Film Thickness Metrology Tool Production Value Market Share by Automation and Deployment Topology in 2025

Figure 45. Manual Benchtop

Figure 46. Semi-Automated Mapping Workstation

Figure 47. Fully Automated Stand-Alone

Figure 48. Integrated or In-Line

Figure 49. Other

Figure 50. World Wafer Film Thickness Metrology Tool Production Market Share by Automation and Deployment Topology (2021-2032)

Figure 51. World Wafer Film Thickness Metrology Tool Production Value Market Share by Automation and Deployment Topology (2021-2032)

Figure 52. World Wafer Film Thickness Metrology Tool Average Price by Automation and Deployment Topology (2021-2032) & (US\$/Unit)

Figure 53. World Wafer Film Thickness Metrology Tool Production Value by Spatial Sampling and Spot Size, (USD Million), 2021 & 2025 & 2032

Figure 54. World Wafer Film Thickness Metrology Tool Production Value Market Share by Spatial Sampling and Spot Size in 2025

Figure 55. Macro-Spot Single-Point

Figure 56. Micro-Spot Single-Point

Figure 57. Ultra-Micro-Spot Single-Point

Figure 58. Point-Scanning Mapping

Figure 59. Area-Array Full-Field

Figure 60. Continuous In-Line Monitoring

Figure 61. Other

Figure 62. Other

Figure 63. World Wafer Film Thickness Metrology Tool Production Market Share by Spatial Sampling and Spot Size (2021-2032)

Figure 64. World Wafer Film Thickness Metrology Tool Production Value Market Share by Spatial Sampling and Spot Size (2021-2032)

Figure 65. World Wafer Film Thickness Metrology Tool Average Price by Spatial Sampling and Spot Size (2021-2032) & (US\$/Unit)

Figure 66. World Wafer Film Thickness Metrology Tool Production Value by Measurement Output Package, (USD Million), 2021 & 2025 & 2032

Figure 67. World Wafer Film Thickness Metrology Tool Production Value Market Share by Measurement Output Package in 2025

Figure 68. Thickness-Only Output

- Figure 69. Thickness and Optical Parameters
- Figure 70. Thickness and Mechanical Parameters
- Figure 71. Thickness and Geometrical Topography
- Figure 72. Thickness and Composition or Structure
- Figure 73. Other
- Figure 74. World Wafer Film Thickness Metrology Tool Production Market Share by Measurement Output Package (2021-2032)
- Figure 75. World Wafer Film Thickness Metrology Tool Production Value Market Share by Measurement Output Package (2021-2032)
- Figure 76. World Wafer Film Thickness Metrology Tool Average Price by Measurement Output Package (2021-2032) & (US\$/Unit)
- Figure 77. World Wafer Film Thickness Metrology Tool Production Value by Application, (USD Million), 2021 & 2025 & 2032
- Figure 78. World Wafer Film Thickness Metrology Tool Production Value Market Share by Application in 2025
- Figure 79. Logic and Foundry Manufacturing
- Figure 80. Memory Manufacturing
- Figure 81. Advanced Packaging and Heterogeneous Integration
- Figure 82. Power and Compound Semiconductor Manufacturing
- Figure 83. MEMS and Sensor Manufacturing
- Figure 84. Other
- Figure 85. World Wafer Film Thickness Metrology Tool Production Market Share by Application (2021-2032)
- Figure 86. World Wafer Film Thickness Metrology Tool Production Value Market Share by Application (2021-2032)
- Figure 87. World Wafer Film Thickness Metrology Tool Average Price by Application (2021-2032) & (US\$/Unit)
- Figure 88. Wafer Film Thickness Metrology Tool Industry Chain
- Figure 89. Wafer Film Thickness Metrology Tool Procurement Model
- Figure 90. Wafer Film Thickness Metrology Tool Sales Model
- Figure 91. Wafer Film Thickness Metrology Tool Sales Channels, Direct Sales, and Distribution
- Figure 92. Methodology
- Figure 93. Research Process and Data Source

I would like to order

Product name: Global Wafer Film Thickness Metrology Tool Supply, Demand and Key Producers, 2026-2032

Product link: <https://marketpublishers.com/r/G5E7053834B3EN.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/G5E7053834B3EN.html>