

Global Thermal Desorption Instrument Market Growth 2026-2032

<https://marketpublishers.com/r/G909B7B143CEN.html>

Date: July 2026

Pages: 118

Price: US\$ 3,660.00 (Single User License)

ID: G909B7B143CEN

Abstracts

The global Thermal Desorption Instrument market size is predicted to grow from US\$ 48.82 million in 2025 to US\$ 60.04 million in 2032; it is expected to grow at a CAGR of 3.0% from 2026 to 2032.

The thermal desorption instrument, as a sophisticated sample pre-treatment component in the advanced chromatographic analysis ecosystem, mainly uses physical heating to desorb the trace target organic components in solid or gas adsorption tubes, and relies on inert gases to transport them to the quartz cold trap for secondary focusing. Eventually, it undergoes instantaneous flash evaporation and is introduced into the gas chromatography column. Its upstream supply chain is closely dependent on high-precision quartz and stainless steel heated pipelines, micro high-low temperature precise control electronic modules, electronic pressure control valves, high-temperature-resistant high-frequency special solenoid valves, semiconductor cooling sheets, and high-temperature-resistant fluorine rubber sealing rings. The downstream application chain is heavily connected to provincial and municipal environmental air quality monitoring stations, mobile vehicle monitoring for volatile organic compounds, detection of harmful gas emissions from automotive interior components materials, residual solvent control in pharmaceutical factories, on-site toxic substance screening in occupational health, and military and defense toxic agent early warning networks. From the basic industrial indicators of the global market, due to the fact that this type of instrument has extremely high gas path sealingity and temperature control response barriers, the global annual production capacity is approximately 1,320 units, and the global annual sales volume remains stable at 1,150 units. As this specialized product belongs to high-barrier laboratory precision instruments, it usually includes complex patented technologies such as automatic sample introduction and cold trap non-consumable refrigeration, and the global market average price shows a significant B-

end high premium, with an average price of \$43,400 per unit. Supported by the core flow design and gas flow control moat, the average profit margin of the entire industry has long maintained an excellent level of 26.5%.

In the future, the technological evolution of the thermal desorption instrument will be centered around 'fully liquid-nitrogen-free electronic cold trap focusing technology, multi-channel fully automatic high-throughput continuous sampling, and full inertization and silanization treatment of the flow path inner wall'. This will present a trend of one-tube all-range capture using new adsorbent combinations, from ultra-volatile gases to semi-volatile polycyclic aromatic hydrocarbons. At the same time, the software integration network interconnection of the equipment with the gas chromatography-mass spectrometry combined instrument and the flow path fault self-diagnosis technology are becoming increasingly mature. From the perspective of the driving factors of market development, on one hand, the regular monitoring of trace toxic and harmful gases in the ambient air by major economies around the world and the strict enforcement of regulations have directly led to a rigid expansion procurement trend for thermal desorption pre-treatment equipment by environmental monitoring stations; on the other hand, the compliance screening of the factory release of interior materials and electronic components for new energy vehicles and green household appliances has constituted the external core driving force for this instrument to deeply penetrate into the quality control of industrial manufactured products.

LP Information, Inc. (LPI) ' newest research report, the 'Thermal Desorption Instrument Industry Forecast' looks at past sales and reviews total world Thermal Desorption Instrument sales in 2025, providing a comprehensive analysis by region and market sector of projected Thermal Desorption Instrument sales for 2026 through 2032. With Thermal Desorption Instrument sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Thermal Desorption Instrument industry.

This Insight Report provides a comprehensive analysis of the global Thermal Desorption Instrument landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Thermal Desorption Instrument portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Thermal Desorption Instrument market.

This Insight Report evaluates the key market trends, drivers, and affecting factors

shaping the global outlook for Thermal Desorption Instrument and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Thermal Desorption Instrument.

This report presents a comprehensive overview, market shares, and growth opportunities of Thermal Desorption Instrument market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Single Channel Thermal Desorber

Dual Channel Thermal Desorber

Multi Channel Online Thermal Desorber

Segmentation by Automation Degree:

Manual Thermal Desorber

Automated Thermal Desorber

Segmentation by Focusing Cold Trap Technology:

Cryogen Free Electronic Cold Trap Thermal Desorber

Liquid Cryogen Cooling Cold Trap Thermal Desorber

Segmentation by Application:

Environmental Monitoring

Automotive VOC Testing

Food Safety Testing

Forensic Testing

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Markes International Ltd

PerkinElmer Inc.

Agilent Technologies Inc.

Shimadzu Corporation

GERSTEL GmbH & Co. KG

Beijing BCHP Analytical Technology Institute

SCION Instruments

CDS Analytical LLC

Wuhan Tianhong Instruments Co., Ltd.

Fuzhou Smart-on Technology Co., Ltd.

Guangzhou Hexin Instrument Co., Ltd.

Key Questions Addressed in this Report

What is the 10-year outlook for the global Thermal Desorption Instrument market?

What factors are driving Thermal Desorption Instrument market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Thermal Desorption Instrument market opportunities vary by end market size?

How does Thermal Desorption Instrument break out by Type, by Application?

Contents

1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

2 EXECUTIVE SUMMARY

- 2.1 World Market Overview
 - 2.1.1 Global Thermal Desorption Instrument Annual Sales 2021-2032
 - 2.1.2 World Current & Future Analysis for Thermal Desorption Instrument by Geographic Region, 2021, 2025 & 2032
 - 2.1.3 World Current & Future Analysis for Thermal Desorption Instrument by Country/Region, 2021, 2025 & 2032
- 2.2 Thermal Desorption Instrument Segment by Type
 - 2.2.1 Single Channel Thermal Desorber
 - 2.2.2 Dual Channel Thermal Desorber
 - 2.2.3 Multi Channel Online Thermal Desorber
 - 2.2.4 Thermal Desorption Instrument Sales by Type
 - 2.2.4.1 Global Thermal Desorption Instrument Sales Market Share by Type (2021-2026)
 - 2.2.4.2 Global Thermal Desorption Instrument Revenue and Market Share by Type (2021-2026)
 - 2.2.4.3 Global Thermal Desorption Instrument Sale Price by Type (2021-2026)
- 2.3 Thermal Desorption Instrument Segment by Automation Degree
 - 2.3.1 Manual Thermal Desorber
 - 2.3.2 Automated Thermal Desorber
 - 2.3.3 Thermal Desorption Instrument Sales by Automation Degree
 - 2.3.3.1 Global Thermal Desorption Instrument Sales Market Share by Automation Degree (2021-2026)
 - 2.3.3.2 Global Thermal Desorption Instrument Revenue and Market Share by Automation Degree (2021-2026)

2.3.3.3 Global Thermal Desorption Instrument Sale Price by Automation Degree (2021-2026)

2.4 Thermal Desorption Instrument Segment by Focusing Cold Trap Technology

2.4.1 Cryogen Free Electronic Cold Trap Thermal Desorber

2.4.2 Liquid Cryogen Cooling Cold Trap Thermal Desorber

2.4.3 Thermal Desorption Instrument Sales by Focusing Cold Trap Technology

2.4.3.1 Global Thermal Desorption Instrument Sales Market Share by Focusing Cold Trap Technology (2021-2026)

2.4.3.2 Global Thermal Desorption Instrument Revenue and Market Share by Focusing Cold Trap Technology (2021-2026)

2.4.3.3 Global Thermal Desorption Instrument Sale Price by Focusing Cold Trap Technology (2021-2026)

2.5 Thermal Desorption Instrument Segment by Application

2.5.1 Environmental Monitoring

2.5.2 Automotive VOC Testing

2.5.3 Food Safety Testing

2.5.4 Forensic Testing

2.5.5 Thermal Desorption Instrument Sales by Application

2.5.5.1 Global Thermal Desorption Instrument Sale Market Share by Application (2021-2026)

2.5.5.2 Global Thermal Desorption Instrument Revenue and Market Share by Application (2021-2026)

2.5.5.3 Global Thermal Desorption Instrument Sale Price by Application (2021-2026)

3 GLOBAL BY COMPANY

3.1 Global Thermal Desorption Instrument Breakdown Data by Company

3.1.1 Global Thermal Desorption Instrument Annual Sales by Company (2021-2026)

3.1.2 Global Thermal Desorption Instrument Sales Market Share by Company (2021-2026)

3.2 Global Thermal Desorption Instrument Annual Revenue by Company (2021-2026)

3.2.1 Global Thermal Desorption Instrument Revenue by Company (2021-2026)

3.2.2 Global Thermal Desorption Instrument Revenue Market Share by Company (2021-2026)

3.3 Global Thermal Desorption Instrument Sale Price by Company

3.4 Key Manufacturers Thermal Desorption Instrument Producing Area Distribution, Sales Area, Product Type

3.4.1 Key Manufacturers Thermal Desorption Instrument Product Location Distribution

3.4.2 Players Thermal Desorption Instrument Products Offered

3.5 Market Concentration Rate Analysis

3.5.1 Competition Landscape Analysis

3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)

3.6 New Products and Potential Entrants

3.7 Market M&A Activity & Strategy

4 WORLD HISTORIC REVIEW FOR THERMAL DESORPTION INSTRUMENT BY GEOGRAPHIC REGION

4.1 World Historic Thermal Desorption Instrument Market Size by Geographic Region (2021-2026)

4.1.1 Global Thermal Desorption Instrument Annual Sales by Geographic Region (2021-2026)

4.1.2 Global Thermal Desorption Instrument Annual Revenue by Geographic Region (2021-2026)

4.2 World Historic Thermal Desorption Instrument Market Size by Country/Region (2021-2026)

4.2.1 Global Thermal Desorption Instrument Annual Sales by Country/Region (2021-2026)

4.2.2 Global Thermal Desorption Instrument Annual Revenue by Country/Region (2021-2026)

4.3 Americas Thermal Desorption Instrument Sales Growth

4.4 APAC Thermal Desorption Instrument Sales Growth

4.5 Europe Thermal Desorption Instrument Sales Growth

4.6 Middle East & Africa Thermal Desorption Instrument Sales Growth

5 AMERICAS

5.1 Americas Thermal Desorption Instrument Sales by Country

5.1.1 Americas Thermal Desorption Instrument Sales by Country (2021-2026)

5.1.2 Americas Thermal Desorption Instrument Revenue by Country (2021-2026)

5.2 Americas Thermal Desorption Instrument Sales by Type (2021-2026)

5.3 Americas Thermal Desorption Instrument Sales by Application (2021-2026)

5.4 United States

5.5 Canada

5.6 Mexico

5.7 Brazil

6 APAC

6.1 APAC Thermal Desorption Instrument Sales by Region

6.1.1 APAC Thermal Desorption Instrument Sales by Region (2021-2026)

6.1.2 APAC Thermal Desorption Instrument Revenue by Region (2021-2026)

6.2 APAC Thermal Desorption Instrument Sales by Type (2021-2026)

6.3 APAC Thermal Desorption Instrument Sales by Application (2021-2026)

6.4 China

6.5 Japan

6.6 South Korea

6.7 Southeast Asia

6.8 India

6.9 Australia

6.10 China Taiwan

7 EUROPE

7.1 Europe Thermal Desorption Instrument by Country

7.1.1 Europe Thermal Desorption Instrument Sales by Country (2021-2026)

7.1.2 Europe Thermal Desorption Instrument Revenue by Country (2021-2026)

7.2 Europe Thermal Desorption Instrument Sales by Type (2021-2026)

7.3 Europe Thermal Desorption Instrument Sales by Application (2021-2026)

7.4 Germany

7.5 France

7.6 UK

7.7 Italy

7.8 Russia

8 MIDDLE EAST & AFRICA

8.1 Middle East & Africa Thermal Desorption Instrument by Country

8.1.1 Middle East & Africa Thermal Desorption Instrument Sales by Country (2021-2026)

8.1.2 Middle East & Africa Thermal Desorption Instrument Revenue by Country (2021-2026)

8.2 Middle East & Africa Thermal Desorption Instrument Sales by Type (2021-2026)

8.3 Middle East & Africa Thermal Desorption Instrument Sales by Application (2021-2026)

8.4 Egypt

8.5 South Africa

8.6 Israel

8.7 Turkey

8.8 GCC Countries

9 MARKET DRIVERS, CHALLENGES AND TRENDS

9.1 Market Drivers & Growth Opportunities

9.2 Market Challenges & Risks

9.3 Industry Trends

10 MANUFACTURING COST STRUCTURE ANALYSIS

10.1 Raw Material and Suppliers

10.2 Manufacturing Cost Structure Analysis of Thermal Desorption Instrument

10.3 Manufacturing Process Analysis of Thermal Desorption Instrument

10.4 Industry Chain Structure of Thermal Desorption Instrument

11 MARKETING, DISTRIBUTORS AND CUSTOMER

11.1 Sales Channel

11.1.1 Direct Channels

11.1.2 Indirect Channels

11.2 Thermal Desorption Instrument Distributors

11.3 Thermal Desorption Instrument Customer

12 WORLD FORECAST REVIEW FOR THERMAL DESORPTION INSTRUMENT BY GEOGRAPHIC REGION

12.1 Global Thermal Desorption Instrument Market Size Forecast by Region

12.1.1 Global Thermal Desorption Instrument Forecast by Region (2027-2032)

12.1.2 Global Thermal Desorption Instrument Annual Revenue Forecast by Region (2027-2032)

12.2 Americas Forecast by Country (2027-2032)

12.3 APAC Forecast by Region (2027-2032)

12.4 Europe Forecast by Country (2027-2032)

12.5 Middle East & Africa Forecast by Country (2027-2032)

12.6 Global Thermal Desorption Instrument Forecast by Type (2027-2032)

12.7 Global Thermal Desorption Instrument Forecast by Application (2027-2032)

13 KEY PLAYERS ANALYSIS

13.1 Markes International Ltd

13.1.1 Markes International Ltd Company Information

13.1.2 Markes International Ltd Thermal Desorption Instrument Product Portfolios and Specifications

13.1.3 Markes International Ltd Thermal Desorption Instrument Sales, Revenue, Price and Gross Margin (2021-2026)

13.1.4 Markes International Ltd Main Business Overview

13.1.5 Markes International Ltd Latest Developments

13.2 PerkinElmer Inc.

13.2.1 PerkinElmer Inc. Company Information

13.2.2 PerkinElmer Inc. Thermal Desorption Instrument Product Portfolios and Specifications

13.2.3 PerkinElmer Inc. Thermal Desorption Instrument Sales, Revenue, Price and Gross Margin (2021-2026)

13.2.4 PerkinElmer Inc. Main Business Overview

13.2.5 PerkinElmer Inc. Latest Developments

13.3 Agilent Technologies Inc.

13.3.1 Agilent Technologies Inc. Company Information

13.3.2 Agilent Technologies Inc. Thermal Desorption Instrument Product Portfolios and Specifications

13.3.3 Agilent Technologies Inc. Thermal Desorption Instrument Sales, Revenue, Price and Gross Margin (2021-2026)

13.3.4 Agilent Technologies Inc. Main Business Overview

13.3.5 Agilent Technologies Inc. Latest Developments

13.4 Shimadzu Corporation

13.4.1 Shimadzu Corporation Company Information

13.4.2 Shimadzu Corporation Thermal Desorption Instrument Product Portfolios and Specifications

13.4.3 Shimadzu Corporation Thermal Desorption Instrument Sales, Revenue, Price and Gross Margin (2021-2026)

13.4.4 Shimadzu Corporation Main Business Overview

13.4.5 Shimadzu Corporation Latest Developments

13.5 GERSTEL GmbH & Co. KG

13.5.1 GERSTEL GmbH & Co. KG Company Information

13.5.2 GERSTEL GmbH & Co. KG Thermal Desorption Instrument Product Portfolios and Specifications

13.5.3 GERSTEL GmbH & Co. KG Thermal Desorption Instrument Sales, Revenue,

Price and Gross Margin (2021-2026)

13.5.4 GERSTEL GmbH & Co. KG Main Business Overview

13.5.5 GERSTEL GmbH & Co. KG Latest Developments

13.6 Beijing BCHP Analytical Technology Institute

13.6.1 Beijing BCHP Analytical Technology Institute Company Information

13.6.2 Beijing BCHP Analytical Technology Institute Thermal Desorption Instrument

Product Portfolios and Specifications

13.6.3 Beijing BCHP Analytical Technology Institute Thermal Desorption Instrument

Sales, Revenue, Price and Gross Margin (2021-2026)

13.6.4 Beijing BCHP Analytical Technology Institute Main Business Overview

13.6.5 Beijing BCHP Analytical Technology Institute Latest Developments

13.7 SCION Instruments

13.7.1 SCION Instruments Company Information

13.7.2 SCION Instruments Thermal Desorption Instrument Product Portfolios and Specifications

13.7.3 SCION Instruments Thermal Desorption Instrument Sales, Revenue, Price and Gross Margin (2021-2026)

13.7.4 SCION Instruments Main Business Overview

13.7.5 SCION Instruments Latest Developments

13.8 CDS Analytical LLC

13.8.1 CDS Analytical LLC Company Information

13.8.2 CDS Analytical LLC Thermal Desorption Instrument Product Portfolios and Specifications

13.8.3 CDS Analytical LLC Thermal Desorption Instrument Sales, Revenue, Price and Gross Margin (2021-2026)

13.8.4 CDS Analytical LLC Main Business Overview

13.8.5 CDS Analytical LLC Latest Developments

13.9 Wuhan Tianhong Instruments Co., Ltd.

13.9.1 Wuhan Tianhong Instruments Co., Ltd. Company Information

13.9.2 Wuhan Tianhong Instruments Co., Ltd. Thermal Desorption Instrument Product Portfolios and Specifications

13.9.3 Wuhan Tianhong Instruments Co., Ltd. Thermal Desorption Instrument Sales, Revenue, Price and Gross Margin (2021-2026)

13.9.4 Wuhan Tianhong Instruments Co., Ltd. Main Business Overview

13.9.5 Wuhan Tianhong Instruments Co., Ltd. Latest Developments

13.10 Fuzhou Smart-on Technology Co., Ltd.

13.10.1 Fuzhou Smart-on Technology Co., Ltd. Company Information

13.10.2 Fuzhou Smart-on Technology Co., Ltd. Thermal Desorption Instrument Product Portfolios and Specifications

13.10.3 Fuzhou Smart-on Technology Co., Ltd. Thermal Desorption Instrument Sales, Revenue, Price and Gross Margin (2021-2026)

13.10.4 Fuzhou Smart-on Technology Co., Ltd. Main Business Overview

13.10.5 Fuzhou Smart-on Technology Co., Ltd. Latest Developments

13.11 Guangzhou Hexin Instrument Co., Ltd.

13.11.1 Guangzhou Hexin Instrument Co., Ltd. Company Information

13.11.2 Guangzhou Hexin Instrument Co., Ltd. Thermal Desorption Instrument Product Portfolios and Specifications

13.11.3 Guangzhou Hexin Instrument Co., Ltd. Thermal Desorption Instrument Sales, Revenue, Price and Gross Margin (2021-2026)

13.11.4 Guangzhou Hexin Instrument Co., Ltd. Main Business Overview

13.11.5 Guangzhou Hexin Instrument Co., Ltd. Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

List Of Tables

LIST OF TABLES

Table 1. Thermal Desorption Instrument Annual Sales CAGR by Geographic Region (2021, 2025 & 2032) & (\$ millions)

Table 2. Thermal Desorption Instrument Annual Sales CAGR by Country/Region (2021, 2025 & 2032) & (\$ millions)

Table 3. Major Players of Single Channel Thermal Desorber

Table 4. Major Players of Dual Channel Thermal Desorber

Table 5. Major Players of Multi Channel Online Thermal Desorber

Table 6. Global Thermal Desorption Instrument Sales by Type (2021-2026) & (Units)

Table 7. Global Thermal Desorption Instrument Sales Market Share by Type (2021-2026)

Table 8. Global Thermal Desorption Instrument Revenue by Type (2021-2026) & (\$ million)

Table 9. Global Thermal Desorption Instrument Revenue Market Share by Type (2021-2026)

Table 10. Global Thermal Desorption Instrument Sale Price by Type (2021-2026) & (US\$/Unit)

Table 11. Major Players of Manual Thermal Desorber

Table 12. Major Players of Automated Thermal Desorber

Table 13. Global Thermal Desorption Instrument Sales by Automation Degree (2021-2026) & (Units)

Table 14. Global Thermal Desorption Instrument Sales Market Share by Automation Degree (2021-2026)

Table 15. Global Thermal Desorption Instrument Revenue by Automation Degree (2021-2026) & (\$ million)

Table 16. Global Thermal Desorption Instrument Revenue Market Share by Automation Degree (2021-2026)

Table 17. Global Thermal Desorption Instrument Sale Price by Automation Degree (2021-2026) & (US\$/Unit)

Table 18. Major Players of Cryogen Free Electronic Cold Trap Thermal Desorber

Table 19. Major Players of Liquid Cryogen Cooling Cold Trap Thermal Desorber

Table 20. Global Thermal Desorption Instrument Sales by Focusing Cold Trap Technology (2021-2026) & (Units)

Table 21. Global Thermal Desorption Instrument Sales Market Share by Focusing Cold Trap Technology (2021-2026)

Table 22. Global Thermal Desorption Instrument Revenue by Focusing Cold Trap

Technology (2021-2026) & (\$ million)

Table 23. Global Thermal Desorption Instrument Revenue Market Share by Focusing Cold Trap Technology (2021-2026)

Table 24. Global Thermal Desorption Instrument Sale Price by Focusing Cold Trap Technology (2021-2026) & (US\$/Unit)

Table 25. Global Thermal Desorption Instrument Sale by Application (2021-2026) & (Units)

Table 26. Global Thermal Desorption Instrument Sale Market Share by Application (2021-2026)

Table 27. Global Thermal Desorption Instrument Revenue by Application (2021-2026) & (\$ million)

Table 28. Global Thermal Desorption Instrument Revenue Market Share by Application (2021-2026)

Table 29. Global Thermal Desorption Instrument Sale Price by Application (2021-2026) & (US\$/Unit)

Table 30. Global Thermal Desorption Instrument Sales by Company (2021-2026) & (Units)

Table 31. Global Thermal Desorption Instrument Sales Market Share by Company (2021-2026)

Table 32. Global Thermal Desorption Instrument Revenue by Company (2021-2026) & (\$ millions)

Table 33. Global Thermal Desorption Instrument Revenue Market Share by Company (2021-2026)

Table 34. Global Thermal Desorption Instrument Sale Price by Company (2021-2026) & (US\$/Unit)

Table 35. Key Manufacturers Thermal Desorption Instrument Producing Area Distribution and Sales Area

Table 36. Players Thermal Desorption Instrument Products Offered

Table 37. Thermal Desorption Instrument Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)

Table 38. New Products and Potential Entrants

Table 39. Market M&A Activity & Strategy

Table 40. Global Thermal Desorption Instrument Sales by Geographic Region (2021-2026) & (Units)

Table 41. Global Thermal Desorption Instrument Sales Market Share Geographic Region (2021-2026)

Table 42. Global Thermal Desorption Instrument Revenue by Geographic Region (2021-2026) & (\$ millions)

Table 43. Global Thermal Desorption Instrument Revenue Market Share by Geographic

Region (2021-2026)

Table 44. Global Thermal Desorption Instrument Sales by Country/Region (2021-2026) & (Units)

Table 45. Global Thermal Desorption Instrument Sales Market Share by Country/Region (2021-2026)

Table 46. Global Thermal Desorption Instrument Revenue by Country/Region (2021-2026) & (\$ millions)

Table 47. Global Thermal Desorption Instrument Revenue Market Share by Country/Region (2021-2026)

Table 48. Americas Thermal Desorption Instrument Sales by Country (2021-2026) & (Units)

Table 49. Americas Thermal Desorption Instrument Sales Market Share by Country (2021-2026)

Table 50. Americas Thermal Desorption Instrument Revenue by Country (2021-2026) & (\$ millions)

Table 51. Americas Thermal Desorption Instrument Sales by Type (2021-2026) & (Units)

Table 52. Americas Thermal Desorption Instrument Sales by Application (2021-2026) & (Units)

Table 53. APAC Thermal Desorption Instrument Sales by Region (2021-2026) & (Units)

Table 54. APAC Thermal Desorption Instrument Sales Market Share by Region (2021-2026)

Table 55. APAC Thermal Desorption Instrument Revenue by Region (2021-2026) & (\$ millions)

Table 56. APAC Thermal Desorption Instrument Sales by Type (2021-2026) & (Units)

Table 57. APAC Thermal Desorption Instrument Sales by Application (2021-2026) & (Units)

Table 58. Europe Thermal Desorption Instrument Sales by Country (2021-2026) & (Units)

Table 59. Europe Thermal Desorption Instrument Revenue by Country (2021-2026) & (\$ millions)

Table 60. Europe Thermal Desorption Instrument Sales by Type (2021-2026) & (Units)

Table 61. Europe Thermal Desorption Instrument Sales by Application (2021-2026) & (Units)

Table 62. Middle East & Africa Thermal Desorption Instrument Sales by Country (2021-2026) & (Units)

Table 63. Middle East & Africa Thermal Desorption Instrument Revenue Market Share by Country (2021-2026)

Table 64. Middle East & Africa Thermal Desorption Instrument Sales by Type

(2021-2026) & (Units)

Table 65. Middle East & Africa Thermal Desorption Instrument Sales by Application
(2021-2026) & (Units)

Table 66. Key Market Drivers & Growth Opportunities of Thermal Desorption Instrument

Table 67. Key Market Challenges & Risks of Thermal Desorption Instrument

Table 68. Key Industry Trends of Thermal Desorption Instrument

Table 69. Thermal Desorption Instrument Raw Material

Table 70. Key Suppliers of Raw Materials

Table 71. Thermal Desorption Instrument Distributors List

Table 72. Thermal Desorption Instrument Customer List

Table 73. Global Thermal Desorption Instrument Sales Forecast by Region (2027-2032)
& (Units)

Table 74. Global Thermal Desorption Instrument Revenue Forecast by Region
(2027-2032) & (\$ millions)

Table 75. Americas Thermal Desorption Instrument Sales Forecast by Country
(2027-2032) & (Units)

Table 76. Americas Thermal Desorption Instrument Annual Revenue Forecast by
Country (2027-2032) & (\$ millions)

Table 77. APAC Thermal Desorption Instrument Sales Forecast by Region (2027-2032)
& (Units)

Table 78. APAC Thermal Desorption Instrument Annual Revenue Forecast by Region
(2027-2032) & (\$ millions)

Table 79. Europe Thermal Desorption Instrument Sales Forecast by Country
(2027-2032) & (Units)

Table 80. Europe Thermal Desorption Instrument Revenue Forecast by Country
(2027-2032) & (\$ millions)

Table 81. Middle East & Africa Thermal Desorption Instrument Sales Forecast by
Country (2027-2032) & (Units)

Table 82. Middle East & Africa Thermal Desorption Instrument Revenue Forecast by
Country (2027-2032) & (\$ millions)

Table 83. Global Thermal Desorption Instrument Sales Forecast by Type (2027-2032) &
(Units)

Table 84. Global Thermal Desorption Instrument Revenue Forecast by Type
(2027-2032) & (\$ millions)

Table 85. Global Thermal Desorption Instrument Sales Forecast by Application
(2027-2032) & (Units)

Table 86. Global Thermal Desorption Instrument Revenue Forecast by Application
(2027-2032) & (\$ millions)

Table 87. Markes International Ltd Basic Information, Thermal Desorption Instrument

Manufacturing Base, Sales Area and Its Competitors

Table 88. Markes International Ltd Thermal Desorption Instrument Product Portfolios and Specifications

Table 89. Markes International Ltd Thermal Desorption Instrument Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 90. Markes International Ltd Main Business

Table 91. Markes International Ltd Latest Developments

Table 92. PerkinElmer Inc. Basic Information, Thermal Desorption Instrument Manufacturing Base, Sales Area and Its Competitors

Table 93. PerkinElmer Inc. Thermal Desorption Instrument Product Portfolios and Specifications

Table 94. PerkinElmer Inc. Thermal Desorption Instrument Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 95. PerkinElmer Inc. Main Business

Table 96. PerkinElmer Inc. Latest Developments

Table 97. Agilent Technologies Inc. Basic Information, Thermal Desorption Instrument Manufacturing Base, Sales Area and Its Competitors

Table 98. Agilent Technologies Inc. Thermal Desorption Instrument Product Portfolios and Specifications

Table 99. Agilent Technologies Inc. Thermal Desorption Instrument Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 100. Agilent Technologies Inc. Main Business

Table 101. Agilent Technologies Inc. Latest Developments

Table 102. Shimadzu Corporation Basic Information, Thermal Desorption Instrument Manufacturing Base, Sales Area and Its Competitors

Table 103. Shimadzu Corporation Thermal Desorption Instrument Product Portfolios and Specifications

Table 104. Shimadzu Corporation Thermal Desorption Instrument Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 105. Shimadzu Corporation Main Business

Table 106. Shimadzu Corporation Latest Developments

Table 107. GERSTEL GmbH & Co. KG Basic Information, Thermal Desorption Instrument Manufacturing Base, Sales Area and Its Competitors

Table 108. GERSTEL GmbH & Co. KG Thermal Desorption Instrument Product Portfolios and Specifications

Table 109. GERSTEL GmbH & Co. KG Thermal Desorption Instrument Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 110. GERSTEL GmbH & Co. KG Main Business

Table 111. GERSTEL GmbH & Co. KG Latest Developments

Table 112. Beijing BCHP Analytical Technology Institute Basic Information, Thermal Desorption Instrument Manufacturing Base, Sales Area and Its Competitors

Table 113. Beijing BCHP Analytical Technology Institute Thermal Desorption Instrument Product Portfolios and Specifications

Table 114. Beijing BCHP Analytical Technology Institute Thermal Desorption Instrument Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 115. Beijing BCHP Analytical Technology Institute Main Business

Table 116. Beijing BCHP Analytical Technology Institute Latest Developments

Table 117. SCION Instruments Basic Information, Thermal Desorption Instrument Manufacturing Base, Sales Area and Its Competitors

Table 118. SCION Instruments Thermal Desorption Instrument Product Portfolios and Specifications

Table 119. SCION Instruments Thermal Desorption Instrument Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 120. SCION Instruments Main Business

Table 121. SCION Instruments Latest Developments

Table 122. CDS Analytical LLC Basic Information, Thermal Desorption Instrument Manufacturing Base, Sales Area and Its Competitors

Table 123. CDS Analytical LLC Thermal Desorption Instrument Product Portfolios and Specifications

Table 124. CDS Analytical LLC Thermal Desorption Instrument Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 125. CDS Analytical LLC Main Business

Table 126. CDS Analytical LLC Latest Developments

Table 127. Wuhan Tianhong Instruments Co., Ltd. Basic Information, Thermal Desorption Instrument Manufacturing Base, Sales Area and Its Competitors

Table 128. Wuhan Tianhong Instruments Co., Ltd. Thermal Desorption Instrument Product Portfolios and Specifications

Table 129. Wuhan Tianhong Instruments Co., Ltd. Thermal Desorption Instrument Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 130. Wuhan Tianhong Instruments Co., Ltd. Main Business

Table 131. Wuhan Tianhong Instruments Co., Ltd. Latest Developments

Table 132. Fuzhou Smart-on Technology Co., Ltd. Basic Information, Thermal Desorption Instrument Manufacturing Base, Sales Area and Its Competitors

Table 133. Fuzhou Smart-on Technology Co., Ltd. Thermal Desorption Instrument Product Portfolios and Specifications

Table 134. Fuzhou Smart-on Technology Co., Ltd. Thermal Desorption Instrument Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 135. Fuzhou Smart-on Technology Co., Ltd. Main Business

Table 136. Fuzhou Smart-on Technology Co., Ltd. Latest Developments

Table 137. Guangzhou Hexin Instrument Co., Ltd. Basic Information, Thermal Desorption Instrument Manufacturing Base, Sales Area and Its Competitors

Table 138. Guangzhou Hexin Instrument Co., Ltd. Thermal Desorption Instrument Product Portfolios and Specifications

Table 139. Guangzhou Hexin Instrument Co., Ltd. Thermal Desorption Instrument Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 140. Guangzhou Hexin Instrument Co., Ltd. Main Business

Table 141. Guangzhou Hexin Instrument Co., Ltd. Latest Developments

List Of Figures

LIST OF FIGURES

- Figure 1. Picture of Thermal Desorption Instrument
- Figure 2. Thermal Desorption Instrument Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global Thermal Desorption Instrument Sales Growth Rate 2021-2032 (Units)
- Figure 7. Global Thermal Desorption Instrument Revenue Growth Rate 2021-2032 (\$ millions)
- Figure 8. Thermal Desorption Instrument Sales by Geographic Region (2021, 2025 & 2032) & (\$ millions)
- Figure 9. Thermal Desorption Instrument Sales Market Share by Country/Region (2025)
- Figure 10. Thermal Desorption Instrument Sales Market Share by Country/Region (2021, 2025 & 2032)
- Figure 11. Product Picture of Single Channel Thermal Desorber
- Figure 12. Product Picture of Dual Channel Thermal Desorber
- Figure 13. Product Picture of Multi Channel Online Thermal Desorber
- Figure 14. Global Thermal Desorption Instrument Sales Market Share by Type in 2026
- Figure 15. Global Thermal Desorption Instrument Revenue Market Share by Type (2021-2026)
- Figure 16. Product Picture of Manual Thermal Desorber
- Figure 17. Product Picture of Automated Thermal Desorber
- Figure 18. Global Thermal Desorption Instrument Sales Market Share by Automation Degree in 2026
- Figure 19. Global Thermal Desorption Instrument Revenue Market Share by Automation Degree (2021-2026)
- Figure 20. Product Picture of Cryogen Free Electronic Cold Trap Thermal Desorber
- Figure 21. Product Picture of Liquid Cryogen Cooling Cold Trap Thermal Desorber
- Figure 22. Global Thermal Desorption Instrument Sales Market Share by Focusing Cold Trap Technology in 2026
- Figure 23. Global Thermal Desorption Instrument Revenue Market Share by Focusing Cold Trap Technology (2021-2026)
- Figure 24. Thermal Desorption Instrument Consumed in Environmental Monitoring
- Figure 25. Global Thermal Desorption Instrument Market: Environmental Monitoring (2021-2026) & (Units)
- Figure 26. Thermal Desorption Instrument Consumed in Automotive VOC Testing

Figure 27. Global Thermal Desorption Instrument Market: Automotive VOC Testing (2021-2026) & (Units)

Figure 28. Thermal Desorption Instrument Consumed in Food Safety Testing

Figure 29. Global Thermal Desorption Instrument Market: Food Safety Testing (2021-2026) & (Units)

Figure 30. Thermal Desorption Instrument Consumed in Forensic Testing

Figure 31. Global Thermal Desorption Instrument Market: Forensic Testing (2021-2026) & (Units)

Figure 32. Global Thermal Desorption Instrument Sale Market Share by Application (2025)

Figure 33. Global Thermal Desorption Instrument Revenue Market Share by Application in 2025

Figure 34. Thermal Desorption Instrument Sales by Company in 2025 (Units)

Figure 35. Global Thermal Desorption Instrument Sales Market Share by Company in 2025

Figure 36. Thermal Desorption Instrument Revenue by Company in 2025 (\$ millions)

Figure 37. Global Thermal Desorption Instrument Revenue Market Share by Company in 2025

Figure 38. Global Thermal Desorption Instrument Sales Market Share by Geographic Region (2021-2026)

Figure 39. Global Thermal Desorption Instrument Revenue Market Share by Geographic Region in 2025

Figure 40. Americas Thermal Desorption Instrument Sales 2021-2026 (Units)

Figure 41. Americas Thermal Desorption Instrument Revenue 2021-2026 (\$ millions)

Figure 42. APAC Thermal Desorption Instrument Sales 2021-2026 (Units)

Figure 43. APAC Thermal Desorption Instrument Revenue 2021-2026 (\$ millions)

Figure 44. Europe Thermal Desorption Instrument Sales 2021-2026 (Units)

Figure 45. Europe Thermal Desorption Instrument Revenue 2021-2026 (\$ millions)

Figure 46. Middle East & Africa Thermal Desorption Instrument Sales 2021-2026 (Units)

Figure 47. Middle East & Africa Thermal Desorption Instrument Revenue 2021-2026 (\$ millions)

Figure 48. Americas Thermal Desorption Instrument Sales Market Share by Country in 2025

Figure 49. Americas Thermal Desorption Instrument Revenue Market Share by Country (2021-2026)

Figure 50. Americas Thermal Desorption Instrument Sales Market Share by Type (2021-2026)

Figure 51. Americas Thermal Desorption Instrument Sales Market Share by Application (2021-2026)

Figure 52. United States Thermal Desorption Instrument Revenue Growth 2021-2026 (\$ millions)

Figure 53. Canada Thermal Desorption Instrument Revenue Growth 2021-2026 (\$ millions)

Figure 54. Mexico Thermal Desorption Instrument Revenue Growth 2021-2026 (\$ millions)

Figure 55. Brazil Thermal Desorption Instrument Revenue Growth 2021-2026 (\$ millions)

Figure 56. APAC Thermal Desorption Instrument Sales Market Share by Region in 2025

Figure 57. APAC Thermal Desorption Instrument Revenue Market Share by Region (2021-2026)

Figure 58. APAC Thermal Desorption Instrument Sales Market Share by Type (2021-2026)

Figure 59. APAC Thermal Desorption Instrument Sales Market Share by Application (2021-2026)

Figure 60. China Thermal Desorption Instrument Revenue Growth 2021-2026 (\$ millions)

Figure 61. Japan Thermal Desorption Instrument Revenue Growth 2021-2026 (\$ millions)

Figure 62. South Korea Thermal Desorption Instrument Revenue Growth 2021-2026 (\$ millions)

Figure 63. Southeast Asia Thermal Desorption Instrument Revenue Growth 2021-2026 (\$ millions)

Figure 64. India Thermal Desorption Instrument Revenue Growth 2021-2026 (\$ millions)

Figure 65. Australia Thermal Desorption Instrument Revenue Growth 2021-2026 (\$ millions)

Figure 66. China Taiwan Thermal Desorption Instrument Revenue Growth 2021-2026 (\$ millions)

Figure 67. Europe Thermal Desorption Instrument Sales Market Share by Country in 2025

Figure 68. Europe Thermal Desorption Instrument Revenue Market Share by Country (2021-2026)

Figure 69. Europe Thermal Desorption Instrument Sales Market Share by Type (2021-2026)

Figure 70. Europe Thermal Desorption Instrument Sales Market Share by Application (2021-2026)

Figure 71. Germany Thermal Desorption Instrument Revenue Growth 2021-2026 (\$ millions)

Figure 72. France Thermal Desorption Instrument Revenue Growth 2021-2026 (\$

millions)

Figure 73. UK Thermal Desorption Instrument Revenue Growth 2021-2026 (\$ millions)

Figure 74. Italy Thermal Desorption Instrument Revenue Growth 2021-2026 (\$ millions)

Figure 75. Russia Thermal Desorption Instrument Revenue Growth 2021-2026 (\$ millions)

Figure 76. Middle East & Africa Thermal Desorption Instrument Sales Market Share by Country (2021-2026)

Figure 77. Middle East & Africa Thermal Desorption Instrument Sales Market Share by Type (2021-2026)

Figure 78. Middle East & Africa Thermal Desorption Instrument Sales Market Share by Application (2021-2026)

Figure 79. Egypt Thermal Desorption Instrument Revenue Growth 2021-2026 (\$ millions)

Figure 80. South Africa Thermal Desorption Instrument Revenue Growth 2021-2026 (\$ millions)

Figure 81. Israel Thermal Desorption Instrument Revenue Growth 2021-2026 (\$ millions)

Figure 82. Turkey Thermal Desorption Instrument Revenue Growth 2021-2026 (\$ millions)

Figure 83. GCC Countries Thermal Desorption Instrument Revenue Growth 2021-2026 (\$ millions)

Figure 84. Manufacturing Cost Structure Analysis of Thermal Desorption Instrument in 2026

Figure 85. Manufacturing Process Analysis of Thermal Desorption Instrument

Figure 86. Industry Chain Structure of Thermal Desorption Instrument

Figure 87. Channels of Distribution

Figure 88. Global Thermal Desorption Instrument Sales Market Forecast by Region (2027-2032)

Figure 89. Global Thermal Desorption Instrument Revenue Market Share Forecast by Region (2027-2032)

Figure 90. Global Thermal Desorption Instrument Sales Market Share Forecast by Type (2027-2032)

Figure 91. Global Thermal Desorption Instrument Revenue Market Share Forecast by Type (2027-2032)

Figure 92. Global Thermal Desorption Instrument Sales Market Share Forecast by Application (2027-2032)

Figure 93. Global Thermal Desorption Instrument Revenue Market Share Forecast by Application (2027-2032)

I would like to order

Product name: Global Thermal Desorption Instrument Market Growth 2026-2032

Product link: <https://marketpublishers.com/r/G909B7B143CEN.html>

Price: US\$ 3,660.00 (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/G909B7B143CEN.html>