

Global Microplastic Detection Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

<https://marketpublishers.com/r/GCDB7A156BF8EN.html>

Date: October 2025

Pages: 118

Price: US\$ 3,132.00 (Single User License)

ID: GCDB7A156BF8EN

Abstracts

According to our (Global Info Research) latest study, the global Microplastic Detection market size was valued at US\$ 3289 million in 2024 and is forecast to a readjusted size of USD 4634 million by 2031 with a CAGR of 5.1% during review period.

In this report, we will assess the current U.S. tariff framework alongside international policy adaptations, analyzing their effects on competitive market structures, regional economic dynamics, and supply chain resilience.

Microplastic detection refers to the process of identifying and quantifying tiny plastic particles, typically smaller than 5 mm, that pollute environments such as oceans, rivers, air, and soil. Detection methods vary and include physical, chemical, and optical techniques such as spectroscopy, microscopy, and thermal analysis. These methods help researchers track microplastic sources, distribution, and concentration levels, providing crucial data for assessing environmental impact and human health risks. Detection is challenging due to the small size of particles, their diverse chemical compositions, and their widespread presence in ecosystems.

This report is a detailed and comprehensive analysis for global Microplastic Detection market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Microplastic Detection market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Microplastic Detection market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Microplastic Detection market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Microplastic Detection market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2020-2025

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Microplastic Detection

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Microplastic Detection market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Thermo Fisher Scientific, Agilent Technologies, Bruker, PerkinElmer, JEOL Ltd., Shimadzu Corporation, Oxford Instruments, Endress+Hauser Group Services, Danaher, METTLER TOLEDO, etc.

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

Market Segmentation

Microplastic Detection market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Contents

1 MARKET OVERVIEW

1.1 Product Overview and Scope

1.2 Market Estimation Caveats and Base Year

1.3 Market Analysis by Type

1.3.1 Overview: Global Microplastic Detection Consumption Value by Type: 2020
Versus 2024 Versus 2031

1.3.2

List Of Tables

LIST OF TABLES

Table 1. Global Microplastic Detection Consumption Value by Type, (USD Million), 2020 & 2024 & 2031

Table 2. Global Microplastic Detection Consumption Value by Application, (USD Million), 2020 & 2024 & 2031

Table 3. Thermo Fisher Scientific Basic Information, Manufacturing Base and Competitors

Table 4. Thermo Fisher Scientific Major Business

Table 5. Thermo Fisher Scientific Microplastic Detection Product and Services

Table 6. Thermo Fisher Scientific Microplastic Detection Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 7. Thermo Fisher Scientific Recent Developments/Updates

Table 8. Agilent Technologies Basic Information, Manufacturing Base and Competitors

Table 9. Agilent Technologies Major Business

Table 10. Agilent Technologies Microplastic Detection Product and Services

Table 11. Agilent Technologies Microplastic Detection Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 12. Agilent Technologies Recent Developments/Updates

Table 13. Bruker Basic Information, Manufacturing Base and Competitors

Table 14. Bruker Major Business

Table 15. Bruker Microplastic Detection Product and Services

Table 16. Bruker Microplastic Detection Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 17. Bruker Recent Developments/Updates

Table 18. PerkinElmer Basic Information, Manufacturing Base and Competitors

Table 19. PerkinElmer Major Business

Table 20. PerkinElmer Microplastic Detection Product and Services

Table 21. PerkinElmer Microplastic Detection Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 22. PerkinElmer Recent Developments/Updates

Table 23. JEOL Ltd. Basic Information, Manufacturing Base and Competitors

Table 24. JEOL Ltd. Major Business

Table 25. JEOL Ltd. Microplastic Detection Product and Services

Table 26. JEOL Ltd. Microplastic Detection Sales Quantity (K Units), Average Price

(US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 27. JEOL Ltd. Recent Developments/Updates

Table 28. Shimadzu Corporation Basic Information, Manufacturing Base and Competitors

Table 29. Shimadzu Corporation Major Business

Table 30. Shimadzu Corporation Microplastic Detection Product and Services

Table 31. Shimadzu Corporation Microplastic Detection Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 32. Shimadzu Corporation Recent Developments/Updates

Table 33. Oxford Instruments Basic Information, Manufacturing Base and Competitors

Table 34. Oxford Instruments Major Business

Table 35. Oxford Instruments Microplastic Detection Product and Services

Table 36. Oxford Instruments Microplastic Detection Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 37. Oxford Instruments Recent Developments/Updates

Table 38. Endress+Hauser Group Services Basic Information, Manufacturing Base and Competitors

Table 39. Endress+Hauser Group Services Major Business

Table 40. Endress+Hauser Group Services Microplastic Detection Product and Services

Table 41. Endress+Hauser Group Services Microplastic Detection Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 42. Endress+Hauser Group Services Recent Developments/Updates

Table 43. Danaher Basic Information, Manufacturing Base and Competitors

Table 44. Danaher Major Business

Table 45. Danaher Microplastic Detection Product and Services

Table 46. Danaher Microplastic Detection Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 47. Danaher Recent Developments/Updates

Table 48. METTLER TOLEDO Basic Information, Manufacturing Base and Competitors

Table 49. METTLER TOLEDO Major Business

Table 50. METTLER TOLEDO Microplastic Detection Product and Services

Table 51. METTLER TOLEDO Microplastic Detection Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 52. METTLER TOLEDO Recent Developments/Updates

Table 53. ZEISS Group Basic Information, Manufacturing Base and Competitors

Table 54. ZEISS Group Major Business

Table 55. ZEISS Group Microplastic Detection Product and Services

Table 56. ZEISS Group Microplastic Detection Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 57. ZEISS Group Recent Developments/Updates

Table 58. Renishaw Basic Information, Manufacturing Base and Competitors

Table 59. Renishaw Major Business

Table 60. Renishaw Microplastic Detection Product and Services

Table 61. Renishaw Microplastic Detection Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 62. Renishaw Recent Developments/Updates

Table 63. Malvern Panalytical Basic Information, Manufacturing Base and Competitors

Table 64. Malvern Panalytical Major Business

Table 65. Malvern Panalytical Microplastic Detection Product and Services

Table 66. Malvern Panalytical Microplastic Detection Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 67. Malvern Panalytical Recent Developments/Updates

Table 68. JASCO Basic Information, Manufacturing Base and Competitors

Table 69. JASCO Major Business

Table 70. JASCO Microplastic Detection Product and Services

Table 71. JASCO Microplastic Detection Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 72. JASCO Recent Developments/Updates

Table 73. TESCAN GROUP Basic Information, Manufacturing Base and Competitors

Table 74. TESCAN GROUP Major Business

Table 75. TESCAN GROUP Microplastic Detection Product and Services

Table 76. TESCAN GROUP Microplastic Detection Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 77. TESCAN GROUP Recent Developments/Updates

Table 78. Global Microplastic Detection Sales Quantity by Manufacturer (2020-2025) & (K Units)

Table 79. Global Microplastic Detection Revenue by Manufacturer (2020-2025) & (USD Million)

Table 80. Global Microplastic Detection Average Price by Manufacturer (2020-2025) & (US\$/Unit)

Table 81. Market Position of Manufacturers in Microplastic Detection, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2024

Table 82. Head Office and Microplastic Detection Production Site of Key Manufacturer

Table 83. Microplastic Detection Market: Company Product Type Footprint

Table 84. Microplastic Detection Market: Company Product Application Footprint

Table 85. Microplastic Detection New Market Entrants and Barriers to Market Entry

Table 86. Microplastic Detection Mergers, Acquisition, Agreements, and Collaborations

Table 87. Global Microplastic Detection Consumption Value by Region

(2020-2024-2031) & (USD Million) & CAGR

Table 88. Global Microplastic Detection Sales Quantity by Region (2020-2025) & (K Units)

Table 89. Global Microplastic Detection Sales Quantity by Region (2026-2031) & (K Units)

Table 90. Global Microplastic Detection Consumption Value by Region (2020-2025) & (USD Million)

Table 91. Global Microplastic Detection Consumption Value by Region (2026-2031) & (USD Million)

Table 92. Global Microplastic Detection Average Price by Region (2020-2025) & (US\$/Unit)

Table 93. Global Microplastic Detection Average Price by Region (2026-2031) & (US\$/Unit)

Table 94. Global Microplastic Detection Sales Quantity by Type (2020-2025) & (K Units)

Table 95. Global Microplastic Detection Sales Quantity by Type (2026-2031) & (K Units)

Table 96. Global Microplastic Detection Consumption Value by Type (2020-2025) & (USD Million)

Table 97. Global Microplastic Detection Consumption Value by Type (2026-2031) & (USD Million)

Table 98. Global Microplastic Detection Average Price by Type (2020-2025) & (US\$/Unit)

Table 99. Global Microplastic Detection Average Price by Type (2026-2031) & (US\$/Unit)

Table 100. Global Microplastic Detection Sales Quantity by Application (2020-2025) & (K Units)

Table 101. Global Microplastic Detection Sales Quantity by Application (2026-2031) & (K Units)

Table 102. Global Microplastic Detection Consumption Value by Application (2020-2025) & (USD Million)

Table 103. Global Microplastic Detection Consumption Value by Application (2026-2031) & (USD Million)

Table 104. Global Microplastic Detection Average Price by Application (2020-2025) & (US\$/Unit)

Table 105. Global Microplastic Detection Average Price by Application (2026-2031) & (US\$/Unit)

Table 106. North America Microplastic Detection Sales Quantity by Type (2020-2025) & (K Units)

Table 107. North America Microplastic Detection Sales Quantity by Type (2026-2031) & (K Units)

Table 108. North America Microplastic Detection Sales Quantity by Application (2020-2025) & (K Units)

Table 109. North America Microplastic Detection Sales Quantity by Application (2026-2031) & (K Units)

Table 110. North America Microplastic Detection Sales Quantity by Country (2020-2025) & (K Units)

Table 111. North America Microplastic Detection Sales Quantity by Country (2026-2031) & (K Units)

Table 112. North America Microplastic Detection Consumption Value by Country (2020-2025) & (USD Million)

Table 113. North America Microplastic Detection Consumption Value by Country (2026-2031) & (USD Million)

Table 114. Europe Microplastic Detection Sales Quantity by Type (2020-2025) & (K Units)

Table 115. Europe Microplastic Detection Sales Quantity by Type (2026-2031) & (K Units)

Table 116. Europe Microplastic Detection Sales Quantity by Application (2020-2025) & (K Units)

Table 117. Europe Microplastic Detection Sales Quantity by Application (2026-2031) & (K Units)

Table 118. Europe Microplastic Detection Sales Quantity by Country (2020-2025) & (K Units)

Table 119. Europe Microplastic Detection Sales Quantity by Country (2026-2031) & (K Units)

Table 120. Europe Microplastic Detection Consumption Value by Country (2020-2025) & (USD Million)

Table 121. Europe Microplastic Detection Consumption Value by Country (2026-2031) & (USD Million)

Table 122. Asia-Pacific Microplastic Detection Sales Quantity by Type (2020-2025) & (K Units)

Table 123. Asia-Pacific Microplastic Detection Sales Quantity by Type (2026-2031) & (K Units)

Table 124. Asia-Pacific Microplastic Detection Sales Quantity by Application (2020-2025) & (K Units)

Table 125. Asia-Pacific Microplastic Detection Sales Quantity by Application (2026-2031) & (K Units)

Table 126. Asia-Pacific Microplastic Detection Sales Quantity by Region (2020-2025) &

(K Units)

Table 127. Asia-Pacific Microplastic Detection Sales Quantity by Region (2026-2031) & (K Units)

Table 128. Asia-Pacific Microplastic Detection Consumption Value by Region (2020-2025) & (USD Million)

Table 129. Asia-Pacific Microplastic Detection Consumption Value by Region (2026-2031) & (USD Million)

Table 130. South America Microplastic Detection Sales Quantity by Type (2020-2025) & (K Units)

Table 131. South America Microplastic Detection Sales Quantity by Type (2026-2031) & (K Units)

Table 132. South America Microplastic Detection Sales Quantity by Application (2020-2025) & (K Units)

Table 133. South America Microplastic Detection Sales Quantity by Application (2026-2031) & (K Units)

Table 134. South America Microplastic Detection Sales Quantity by Country (2020-2025) & (K Units)

Table 135. South America Microplastic Detection Sales Quantity by Country (2026-2031) & (K Units)

Table 136. South America Microplastic Detection Consumption Value by Country (2020-2025) & (USD Million)

Table 137. South America Microplastic Detection Consumption Value by Country (2026-2031) & (USD Million)

Table 138. Middle East & Africa Microplastic Detection Sales Quantity by Type (2020-2025) & (K Units)

Table 139. Middle East & Africa Microplastic Detection Sales Quantity by Type (2026-2031) & (K Units)

Table 140. Middle East & Africa Microplastic Detection Sales Quantity by Application (2020-2025) & (K Units)

Table 141. Middle East & Africa Microplastic Detection Sales Quantity by Application (2026-2031) & (K Units)

Table 142. Middle East & Africa Microplastic Detection Sales Quantity by Country (2020-2025) & (K Units)

Table 143. Middle East & Africa Microplastic Detection Sales Quantity by Country (2026-2031) & (K Units)

Table 144. Middle East & Africa Microplastic Detection Consumption Value by Country (2020-2025) & (USD Million)

Table 145. Middle East & Africa Microplastic Detection Consumption Value by Country (2026-2031) & (USD Million)

Table 146. Microplastic Detection Raw Material

Table 147. Key Manufacturers of Microplastic Detection Raw Materials

Table 148. Microplastic Detection Typical Distributors

Table 149. Microplastic Detection Typical Customers

List Of Figures

LIST OF FIGURES

Figure 1. Microplastic Detection Picture

Figure 2. Global Microplastic Detection Revenue by Type, (USD Million), 2020 & 2024 & 2031

Figure 3. Global Microplastic Detection Revenue Market Share by Type in 2024

Figure 4.

I would like to order

Product name: Global Microplastic Detection Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

Product link: <https://marketpublishers.com/r/GCDB7A156BF8EN.html>

Price: US\$ 3,132.00 (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/GCDB7A156BF8EN.html>