

Global 2D MEMS Probe Cards Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

<https://marketpublishers.com/r/23816B5B5B4FEN.html>

Date: January 2026

Pages: 122

Price: US\$ 3,480.00 (Single User License)

ID: 23816B5B5B4FEN

Abstracts

According to our (Global Info Research) latest study, the global 2D MEMS Probe Cards market size was valued at US\$ 988 million in 2025 and is forecast to a readjusted size of US\$ 1686 million by 2032 with a CAGR of 6.7% during review period.

Global production of 2D MEMS probe cards is projected to reach 120 million units in 2025, with an average selling price of approximately \$8 per unit.

2D MEMS probe cards are vertical probe cards manufactured based on Micro-Electro-Mechanical Systems (MEMS) technology. Probes are fabricated on silicon wafers using MEMS processes and vertically arranged between the guide plate and the PCB to achieve high-precision electrical connections between chip pins and the testing machine during wafer testing. Their core advantages lie in their fine pitch, high pin count, high density, and low contact resistance, meeting the testing requirements of advanced process chips. The upstream includes suppliers of MEMS probe materials, PCBs, and mechanical components; the midstream consists of probe card R&D and manufacturing companies; and the downstream covers chip design, wafer foundry, packaging, and testing—all segments of the semiconductor industry chain.

This report is a detailed and comprehensive analysis for global 2D MEMS Probe Cards 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 2D MEMS Probe Cards market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global 2D MEMS Probe Cards market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global 2D MEMS Probe Cards market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global 2D MEMS Probe Cards market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2021-2026

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 2D MEMS Probe Cards

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 2D MEMS Probe Cards 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 FormFactor, Technoprobe S.p.A., Micronics Japan (MJC), Japan Electronic Materials (JEM), MPI Corporation, SV Probe, Microfriend, Korea Instrument, Will Technology, TSE, etc.

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

Market Segmentation

2D MEMS Probe Cards market is split by Type and by Application. For the period 2021-2032, 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

Basic Type

High-end Custom Type

Derivative Types

Market segment by Product Form

Logic Chip Testing Dedicated Type

Storage Chip Testing Dedicated Type

General and Multi-functional Type

Market segment by Function Category

Non-Storage Field

Storage Field

Market segment by Application

Chip Design

Wafer Foundry

Packaging and Testing

Major players covered

FormFactor

Technoprobe S.p.A.

Micronics Japan (MJC)

Japan Electronic Materials (JEM)

MPI Corporation

SV Probe

Microfriend

Korea Instrument

Will Technology

TSE

Feinmetall

Qiangyi Shares

Zefeng Semiconductor

Changhong International

Microneedle Semiconductor

Market segment by region, regional analysis covers
North America (United States, Canada, and Mexico)
Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)
Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)
South America (Brazil, Argentina, Colombia, and Rest of South America)
Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Global 2D MEMS Probe Cards Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

Chapter 1, to describe 2D MEMS Probe Cards product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of 2D MEMS Probe Cards, with price, sales quantity, revenue, and global market share of 2D MEMS Probe Cards from 2021 to 2026.

Chapter 3, the 2D MEMS Probe Cards competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the 2D MEMS Probe Cards breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and 2D MEMS Probe Cards market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of 2D MEMS Probe Cards.

Chapter 14 and 15, to describe 2D MEMS Probe Cards sales channel, distributors, customers, research findings and conclusion.

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 2D MEMS Probe Cards Consumption Value by Type: 2021 Versus 2025 Versus 2032

1.3.2 Basic Type

1.3.3 High-end Custom Type

1.3.4 Derivative Types

1.4 Market Analysis by Product Form

1.4.1 Overview: Global 2D MEMS Probe Cards Consumption Value by Product Form: 2021 Versus 2025 Versus 2032

1.4.2 Logic Chip Testing Dedicated Type

1.4.3 Storage Chip Testing Dedicated Type

1.4.4 General and Multi-functional Type

1.5 Market Analysis by Function Category

1.5.1 Overview: Global 2D MEMS Probe Cards Consumption Value by Function Category: 2021 Versus 2025 Versus 2032

1.5.2 Non-Storage Field

1.5.3 Storage Field

1.6 Market Analysis by Application

1.6.1 Overview: Global 2D MEMS Probe Cards Consumption Value by Application: 2021 Versus 2025 Versus 2032

1.6.2 Chip Design

1.6.3 Wafer Foundry

1.6.4 Packaging and Testing

1.7 Global 2D MEMS Probe Cards Market Size & Forecast

1.7.1 Global 2D MEMS Probe Cards Consumption Value (2021 & 2025 & 2032)

1.7.2 Global 2D MEMS Probe Cards Sales Quantity (2021-2032)

1.7.3 Global 2D MEMS Probe Cards Average Price (2021-2032)

2 MANUFACTURERS PROFILES

2.1 FormFactor

2.1.1 FormFactor Details

2.1.2 FormFactor Major Business

- 2.1.3 FormFactor 2D MEMS Probe Cards Product and Services
- 2.1.4 FormFactor 2D MEMS Probe Cards Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
- 2.1.5 FormFactor Recent Developments/Updates
- 2.2 Technoprobe S.p.A.
 - 2.2.1 Technoprobe S.p.A. Details
 - 2.2.2 Technoprobe S.p.A. Major Business
 - 2.2.3 Technoprobe S.p.A. 2D MEMS Probe Cards Product and Services
 - 2.2.4 Technoprobe S.p.A. 2D MEMS Probe Cards Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.2.5 Technoprobe S.p.A. Recent Developments/Updates
- 2.3 Micronics Japan (MJC)
 - 2.3.1 Micronics Japan (MJC) Details
 - 2.3.2 Micronics Japan (MJC) Major Business
 - 2.3.3 Micronics Japan (MJC) 2D MEMS Probe Cards Product and Services
 - 2.3.4 Micronics Japan (MJC) 2D MEMS Probe Cards Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.3.5 Micronics Japan (MJC) Recent Developments/Updates
- 2.4 Japan Electronic Materials (JEM)
 - 2.4.1 Japan Electronic Materials (JEM) Details
 - 2.4.2 Japan Electronic Materials (JEM) Major Business
 - 2.4.3 Japan Electronic Materials (JEM) 2D MEMS Probe Cards Product and Services
 - 2.4.4 Japan Electronic Materials (JEM) 2D MEMS Probe Cards Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.4.5 Japan Electronic Materials (JEM) Recent Developments/Updates
- 2.5 MPI Corporation
 - 2.5.1 MPI Corporation Details
 - 2.5.2 MPI Corporation Major Business
 - 2.5.3 MPI Corporation 2D MEMS Probe Cards Product and Services
 - 2.5.4 MPI Corporation 2D MEMS Probe Cards Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.5.5 MPI Corporation Recent Developments/Updates
- 2.6 SV Probe
 - 2.6.1 SV Probe Details
 - 2.6.2 SV Probe Major Business
 - 2.6.3 SV Probe 2D MEMS Probe Cards Product and Services
 - 2.6.4 SV Probe 2D MEMS Probe Cards Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.6.5 SV Probe Recent Developments/Updates

2.7 Microfriend

2.7.1 Microfriend Details

2.7.2 Microfriend Major Business

2.7.3 Microfriend 2D MEMS Probe Cards Product and Services

2.7.4 Microfriend 2D MEMS Probe Cards Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.7.5 Microfriend Recent Developments/Updates

2.8 Korea Instrument

2.8.1 Korea Instrument Details

2.8.2 Korea Instrument Major Business

2.8.3 Korea Instrument 2D MEMS Probe Cards Product and Services

2.8.4 Korea Instrument 2D MEMS Probe Cards Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.8.5 Korea Instrument Recent Developments/Updates

2.9 Will Technology

2.9.1 Will Technology Details

2.9.2 Will Technology Major Business

2.9.3 Will Technology 2D MEMS Probe Cards Product and Services

2.9.4 Will Technology 2D MEMS Probe Cards Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.9.5 Will Technology Recent Developments/Updates

2.10 TSE

2.10.1 TSE Details

2.10.2 TSE Major Business

2.10.3 TSE 2D MEMS Probe Cards Product and Services

2.10.4 TSE 2D MEMS Probe Cards Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.10.5 TSE Recent Developments/Updates

2.11 Feinmetall

2.11.1 Feinmetall Details

2.11.2 Feinmetall Major Business

2.11.3 Feinmetall 2D MEMS Probe Cards Product and Services

2.11.4 Feinmetall 2D MEMS Probe Cards Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.11.5 Feinmetall Recent Developments/Updates

2.12 Qiangyi Shares

2.12.1 Qiangyi Shares Details

2.12.2 Qiangyi Shares Major Business

2.12.3 Qiangyi Shares 2D MEMS Probe Cards Product and Services

- 2.12.4 Qiangyi Shares 2D MEMS Probe Cards Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
- 2.12.5 Qiangyi Shares Recent Developments/Updates
- 2.13 Zefeng Semiconductor
 - 2.13.1 Zefeng Semiconductor Details
 - 2.13.2 Zefeng Semiconductor Major Business
 - 2.13.3 Zefeng Semiconductor 2D MEMS Probe Cards Product and Services
 - 2.13.4 Zefeng Semiconductor 2D MEMS Probe Cards Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.13.5 Zefeng Semiconductor Recent Developments/Updates
- 2.14 Changhong International
 - 2.14.1 Changhong International Details
 - 2.14.2 Changhong International Major Business
 - 2.14.3 Changhong International 2D MEMS Probe Cards Product and Services
 - 2.14.4 Changhong International 2D MEMS Probe Cards Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.14.5 Changhong International Recent Developments/Updates
- 2.15 Microneedle Semiconductor
 - 2.15.1 Microneedle Semiconductor Details
 - 2.15.2 Microneedle Semiconductor Major Business
 - 2.15.3 Microneedle Semiconductor 2D MEMS Probe Cards Product and Services
 - 2.15.4 Microneedle Semiconductor 2D MEMS Probe Cards Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.15.5 Microneedle Semiconductor Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: 2D MEMS PROBE CARDS BY MANUFACTURER

- 3.1 Global 2D MEMS Probe Cards Sales Quantity by Manufacturer (2021-2026)
- 3.2 Global 2D MEMS Probe Cards Revenue by Manufacturer (2021-2026)
- 3.3 Global 2D MEMS Probe Cards Average Price by Manufacturer (2021-2026)
- 3.4 Market Share Analysis (2025)
 - 3.4.1 Producer Shipments of 2D MEMS Probe Cards by Manufacturer Revenue (\$MM) and Market Share (%): 2025
 - 3.4.2 Top 3 2D MEMS Probe Cards Manufacturer Market Share in 2025
 - 3.4.3 Top 6 2D MEMS Probe Cards Manufacturer Market Share in 2025
- 3.5 2D MEMS Probe Cards Market: Overall Company Footprint Analysis
 - 3.5.1 2D MEMS Probe Cards Market: Region Footprint
 - 3.5.2 2D MEMS Probe Cards Market: Company Product Type Footprint
 - 3.5.3 2D MEMS Probe Cards Market: Company Product Application Footprint

- 3.6 New Market Entrants and Barriers to Market Entry
- 3.7 Mergers, Acquisition, Agreements, and Collaborations

4 CONSUMPTION ANALYSIS BY REGION

- 4.1 Global 2D MEMS Probe Cards Market Size by Region
 - 4.1.1 Global 2D MEMS Probe Cards Sales Quantity by Region (2021-2032)
 - 4.1.2 Global 2D MEMS Probe Cards Consumption Value by Region (2021-2032)
 - 4.1.3 Global 2D MEMS Probe Cards Average Price by Region (2021-2032)
- 4.2 North America 2D MEMS Probe Cards Consumption Value (2021-2032)
- 4.3 Europe 2D MEMS Probe Cards Consumption Value (2021-2032)
- 4.4 Asia-Pacific 2D MEMS Probe Cards Consumption Value (2021-2032)
- 4.5 South America 2D MEMS Probe Cards Consumption Value (2021-2032)
- 4.6 Middle East & Africa 2D MEMS Probe Cards Consumption Value (2021-2032)

5 MARKET SEGMENT BY TYPE

- 5.1 Global 2D MEMS Probe Cards Sales Quantity by Type (2021-2032)
- 5.2 Global 2D MEMS Probe Cards Consumption Value by Type (2021-2032)
- 5.3 Global 2D MEMS Probe Cards Average Price by Type (2021-2032)

6 MARKET SEGMENT BY APPLICATION

- 6.1 Global 2D MEMS Probe Cards Sales Quantity by Application (2021-2032)
- 6.2 Global 2D MEMS Probe Cards Consumption Value by Application (2021-2032)
- 6.3 Global 2D MEMS Probe Cards Average Price by Application (2021-2032)

7 NORTH AMERICA

- 7.1 North America 2D MEMS Probe Cards Sales Quantity by Type (2021-2032)
- 7.2 North America 2D MEMS Probe Cards Sales Quantity by Application (2021-2032)
- 7.3 North America 2D MEMS Probe Cards Market Size by Country
 - 7.3.1 North America 2D MEMS Probe Cards Sales Quantity by Country (2021-2032)
 - 7.3.2 North America 2D MEMS Probe Cards Consumption Value by Country (2021-2032)
 - 7.3.3 United States Market Size and Forecast (2021-2032)
 - 7.3.4 Canada Market Size and Forecast (2021-2032)
 - 7.3.5 Mexico Market Size and Forecast (2021-2032)

8 EUROPE

- 8.1 Europe 2D MEMS Probe Cards Sales Quantity by Type (2021-2032)
- 8.2 Europe 2D MEMS Probe Cards Sales Quantity by Application (2021-2032)
- 8.3 Europe 2D MEMS Probe Cards Market Size by Country
 - 8.3.1 Europe 2D MEMS Probe Cards Sales Quantity by Country (2021-2032)
 - 8.3.2 Europe 2D MEMS Probe Cards Consumption Value by Country (2021-2032)
 - 8.3.3 Germany Market Size and Forecast (2021-2032)
 - 8.3.4 France Market Size and Forecast (2021-2032)
 - 8.3.5 United Kingdom Market Size and Forecast (2021-2032)
 - 8.3.6 Russia Market Size and Forecast (2021-2032)
 - 8.3.7 Italy Market Size and Forecast (2021-2032)

9 ASIA-PACIFIC

- 9.1 Asia-Pacific 2D MEMS Probe Cards Sales Quantity by Type (2021-2032)
- 9.2 Asia-Pacific 2D MEMS Probe Cards Sales Quantity by Application (2021-2032)
- 9.3 Asia-Pacific 2D MEMS Probe Cards Market Size by Region
 - 9.3.1 Asia-Pacific 2D MEMS Probe Cards Sales Quantity by Region (2021-2032)
 - 9.3.2 Asia-Pacific 2D MEMS Probe Cards Consumption Value by Region (2021-2032)
 - 9.3.3 China Market Size and Forecast (2021-2032)
 - 9.3.4 Japan Market Size and Forecast (2021-2032)
 - 9.3.5 South Korea Market Size and Forecast (2021-2032)
 - 9.3.6 India Market Size and Forecast (2021-2032)
 - 9.3.7 Southeast Asia Market Size and Forecast (2021-2032)
 - 9.3.8 Australia Market Size and Forecast (2021-2032)

10 SOUTH AMERICA

- 10.1 South America 2D MEMS Probe Cards Sales Quantity by Type (2021-2032)
- 10.2 South America 2D MEMS Probe Cards Sales Quantity by Application (2021-2032)
- 10.3 South America 2D MEMS Probe Cards Market Size by Country
 - 10.3.1 South America 2D MEMS Probe Cards Sales Quantity by Country (2021-2032)
 - 10.3.2 South America 2D MEMS Probe Cards Consumption Value by Country (2021-2032)
 - 10.3.3 Brazil Market Size and Forecast (2021-2032)
 - 10.3.4 Argentina Market Size and Forecast (2021-2032)

11 MIDDLE EAST & AFRICA

- 11.1 Middle East & Africa 2D MEMS Probe Cards Sales Quantity by Type (2021-2032)
- 11.2 Middle East & Africa 2D MEMS Probe Cards Sales Quantity by Application (2021-2032)
- 11.3 Middle East & Africa 2D MEMS Probe Cards Market Size by Country
 - 11.3.1 Middle East & Africa 2D MEMS Probe Cards Sales Quantity by Country (2021-2032)
 - 11.3.2 Middle East & Africa 2D MEMS Probe Cards Consumption Value by Country (2021-2032)
 - 11.3.3 Turkey Market Size and Forecast (2021-2032)
 - 11.3.4 Egypt Market Size and Forecast (2021-2032)
 - 11.3.5 Saudi Arabia Market Size and Forecast (2021-2032)
 - 11.3.6 South Africa Market Size and Forecast (2021-2032)

12 MARKET DYNAMICS

- 12.1 2D MEMS Probe Cards Market Drivers
- 12.2 2D MEMS Probe Cards Market Restraints
- 12.3 2D MEMS Probe Cards Trends Analysis
- 12.4 Porters Five Forces Analysis
 - 12.4.1 Threat of New Entrants
 - 12.4.2 Bargaining Power of Suppliers
 - 12.4.3 Bargaining Power of Buyers
 - 12.4.4 Threat of Substitutes
 - 12.4.5 Competitive Rivalry

13 RAW MATERIAL AND INDUSTRY CHAIN

- 13.1 Raw Material of 2D MEMS Probe Cards and Key Manufacturers
- 13.2 Manufacturing Costs Percentage of 2D MEMS Probe Cards
- 13.3 2D MEMS Probe Cards Production Process
- 13.4 Industry Value Chain Analysis

14 SHIPMENTS BY DISTRIBUTION CHANNEL

- 14.1 Sales Channel
 - 14.1.1 Direct to End-User
 - 14.1.2 Distributors
- 14.2 2D MEMS Probe Cards Typical Distributors

14.3 2D MEMS Probe Cards Typical Customers

15 RESEARCH FINDINGS AND CONCLUSION

16 APPENDIX

16.1 Methodology

16.2 Research Process and Data Source

16.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. Global 2D MEMS Probe Cards Consumption Value by Type, (USD Million), 2021 & 2025 & 2032

Table 2. Global 2D MEMS Probe Cards Consumption Value by Product Form, (USD Million), 2021 & 2025 & 2032

Table 3. Global 2D MEMS Probe Cards Consumption Value by Function Category, (USD Million), 2021 & 2025 & 2032

Table 4. Global 2D MEMS Probe Cards Consumption Value by Application, (USD Million), 2021 & 2025 & 2032

Table 5. FormFactor Basic Information, Manufacturing Base and Competitors

Table 6. FormFactor Major Business

Table 7. FormFactor 2D MEMS Probe Cards Product and Services

Table 8. FormFactor 2D MEMS Probe Cards Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 9. FormFactor Recent Developments/Updates

Table 10. Technoprobe S.p.A. Basic Information, Manufacturing Base and Competitors

Table 11. Technoprobe S.p.A. Major Business

Table 12. Technoprobe S.p.A. 2D MEMS Probe Cards Product and Services

Table 13. Technoprobe S.p.A. 2D MEMS Probe Cards Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 14. Technoprobe S.p.A. Recent Developments/Updates

Table 15. Micronics Japan (MJC) Basic Information, Manufacturing Base and Competitors

Table 16. Micronics Japan (MJC) Major Business

Table 17. Micronics Japan (MJC) 2D MEMS Probe Cards Product and Services

Table 18. Micronics Japan (MJC) 2D MEMS Probe Cards Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 19. Micronics Japan (MJC) Recent Developments/Updates

Table 20. Japan Electronic Materials (JEM) Basic Information, Manufacturing Base and Competitors

Table 21. Japan Electronic Materials (JEM) Major Business

Table 22. Japan Electronic Materials (JEM) 2D MEMS Probe Cards Product and Services

Table 23. Japan Electronic Materials (JEM) 2D MEMS Probe Cards Sales Quantity (K

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

Table 24. Japan Electronic Materials (JEM) Recent Developments/Updates

Table 25. MPI Corporation Basic Information, Manufacturing Base and Competitors

Table 26. MPI Corporation Major Business

Table 27. MPI Corporation 2D MEMS Probe Cards Product and Services

Table 28. MPI Corporation 2D MEMS Probe Cards Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 29. MPI Corporation Recent Developments/Updates

Table 30. SV Probe Basic Information, Manufacturing Base and Competitors

Table 31. SV Probe Major Business

Table 32. SV Probe 2D MEMS Probe Cards Product and Services

Table 33. SV Probe 2D MEMS Probe Cards Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 34. SV Probe Recent Developments/Updates

Table 35. Microfriend Basic Information, Manufacturing Base and Competitors

Table 36. Microfriend Major Business

Table 37. Microfriend 2D MEMS Probe Cards Product and Services

Table 38. Microfriend 2D MEMS Probe Cards Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 39. Microfriend Recent Developments/Updates

Table 40. Korea Instrument Basic Information, Manufacturing Base and Competitors

Table 41. Korea Instrument Major Business

Table 42. Korea Instrument 2D MEMS Probe Cards Product and Services

Table 43. Korea Instrument 2D MEMS Probe Cards Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 44. Korea Instrument Recent Developments/Updates

Table 45. Will Technology Basic Information, Manufacturing Base and Competitors

Table 46. Will Technology Major Business

Table 47. Will Technology 2D MEMS Probe Cards Product and Services

Table 48. Will Technology 2D MEMS Probe Cards Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 49. Will Technology Recent Developments/Updates

Table 50. TSE Basic Information, Manufacturing Base and Competitors

Table 51. TSE Major Business

Table 52. TSE 2D MEMS Probe Cards Product and Services

Table 53. TSE 2D MEMS Probe Cards Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 54. TSE Recent Developments/Updates

- Table 55. Feinmetall Basic Information, Manufacturing Base and Competitors
- Table 56. Feinmetall Major Business
- Table 57. Feinmetall 2D MEMS Probe Cards Product and Services
- Table 58. Feinmetall 2D MEMS Probe Cards Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 59. Feinmetall Recent Developments/Updates
- Table 60. Qiangyi Shares Basic Information, Manufacturing Base and Competitors
- Table 61. Qiangyi Shares Major Business
- Table 62. Qiangyi Shares 2D MEMS Probe Cards Product and Services
- Table 63. Qiangyi Shares 2D MEMS Probe Cards Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 64. Qiangyi Shares Recent Developments/Updates
- Table 65. Zefeng Semiconductor Basic Information, Manufacturing Base and Competitors
- Table 66. Zefeng Semiconductor Major Business
- Table 67. Zefeng Semiconductor 2D MEMS Probe Cards Product and Services
- Table 68. Zefeng Semiconductor 2D MEMS Probe Cards Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 69. Zefeng Semiconductor Recent Developments/Updates
- Table 70. Changhong International Basic Information, Manufacturing Base and Competitors
- Table 71. Changhong International Major Business
- Table 72. Changhong International 2D MEMS Probe Cards Product and Services
- Table 73. Changhong International 2D MEMS Probe Cards Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 74. Changhong International Recent Developments/Updates
- Table 75. Microneedle Semiconductor Basic Information, Manufacturing Base and Competitors
- Table 76. Microneedle Semiconductor Major Business
- Table 77. Microneedle Semiconductor 2D MEMS Probe Cards Product and Services
- Table 78. Microneedle Semiconductor 2D MEMS Probe Cards Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 79. Microneedle Semiconductor Recent Developments/Updates
- Table 80. Global 2D MEMS Probe Cards Sales Quantity by Manufacturer (2021-2026) & (K Units)
- Table 81. Global 2D MEMS Probe Cards Revenue by Manufacturer (2021-2026) &

(USD Million)

Table 82. Global 2D MEMS Probe Cards Average Price by Manufacturer (2021-2026) & (US\$/Unit)

Table 83. Market Position of Manufacturers in 2D MEMS Probe Cards, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2025

Table 84. Head Office and 2D MEMS Probe Cards Production Site of Key Manufacturer

Table 85. 2D MEMS Probe Cards Market: Company Product Type Footprint

Table 86. 2D MEMS Probe Cards Market: Company Product Application Footprint

Table 87. 2D MEMS Probe Cards New Market Entrants and Barriers to Market Entry

Table 88. 2D MEMS Probe Cards Mergers, Acquisition, Agreements, and Collaborations

Table 89. Global 2D MEMS Probe Cards Consumption Value by Region (2021-2025-2032) & (USD Million) & CAGR

Table 90. Global 2D MEMS Probe Cards Sales Quantity by Region (2021-2026) & (K Units)

Table 91. Global 2D MEMS Probe Cards Sales Quantity by Region (2027-2032) & (K Units)

Table 92. Global 2D MEMS Probe Cards Consumption Value by Region (2021-2026) & (USD Million)

Table 93. Global 2D MEMS Probe Cards Consumption Value by Region (2027-2032) & (USD Million)

Table 94. Global 2D MEMS Probe Cards Average Price by Region (2021-2026) & (US\$/Unit)

Table 95. Global 2D MEMS Probe Cards Average Price by Region (2027-2032) & (US\$/Unit)

Table 96. Global 2D MEMS Probe Cards Sales Quantity by Type (2021-2026) & (K Units)

Table 97. Global 2D MEMS Probe Cards Sales Quantity by Type (2027-2032) & (K Units)

Table 98. Global 2D MEMS Probe Cards Consumption Value by Type (2021-2026) & (USD Million)

Table 99. Global 2D MEMS Probe Cards Consumption Value by Type (2027-2032) & (USD Million)

Table 100. Global 2D MEMS Probe Cards Average Price by Type (2021-2026) & (US\$/Unit)

Table 101. Global 2D MEMS Probe Cards Average Price by Type (2027-2032) & (US\$/Unit)

Table 102. Global 2D MEMS Probe Cards Sales Quantity by Application (2021-2026) & (K Units)

Table 103. Global 2D MEMS Probe Cards Sales Quantity by Application (2027-2032) & (K Units)

Table 104. Global 2D MEMS Probe Cards Consumption Value by Application (2021-2026) & (USD Million)

Table 105. Global 2D MEMS Probe Cards Consumption Value by Application (2027-2032) & (USD Million)

Table 106. Global 2D MEMS Probe Cards Average Price by Application (2021-2026) & (US\$/Unit)

Table 107. Global 2D MEMS Probe Cards Average Price by Application (2027-2032) & (US\$/Unit)

Table 108. North America 2D MEMS Probe Cards Sales Quantity by Type (2021-2026) & (K Units)

Table 109. North America 2D MEMS Probe Cards Sales Quantity by Type (2027-2032) & (K Units)

Table 110. North America 2D MEMS Probe Cards Sales Quantity by Application (2021-2026) & (K Units)

Table 111. North America 2D MEMS Probe Cards Sales Quantity by Application (2027-2032) & (K Units)

Table 112. North America 2D MEMS Probe Cards Sales Quantity by Country (2021-2026) & (K Units)

Table 113. North America 2D MEMS Probe Cards Sales Quantity by Country (2027-2032) & (K Units)

Table 114. North America 2D MEMS Probe Cards Consumption Value by Country (2021-2026) & (USD Million)

Table 115. North America 2D MEMS Probe Cards Consumption Value by Country (2027-2032) & (USD Million)

Table 116. Europe 2D MEMS Probe Cards Sales Quantity by Type (2021-2026) & (K Units)

Table 117. Europe 2D MEMS Probe Cards Sales Quantity by Type (2027-2032) & (K Units)

Table 118. Europe 2D MEMS Probe Cards Sales Quantity by Application (2021-2026) & (K Units)

Table 119. Europe 2D MEMS Probe Cards Sales Quantity by Application (2027-2032) & (K Units)

Table 120. Europe 2D MEMS Probe Cards Sales Quantity by Country (2021-2026) & (K Units)

Table 121. Europe 2D MEMS Probe Cards Sales Quantity by Country (2027-2032) & (K Units)

Table 122. Europe 2D MEMS Probe Cards Consumption Value by Country (2021-2026)

& (USD Million)

Table 123. Europe 2D MEMS Probe Cards Consumption Value by Country (2027-2032)

& (USD Million)

Table 124. Asia-Pacific 2D MEMS Probe Cards Sales Quantity by Type (2021-2026) & (K Units)

Table 125. Asia-Pacific 2D MEMS Probe Cards Sales Quantity by Type (2027-2032) & (K Units)

Table 126. Asia-Pacific 2D MEMS Probe Cards Sales Quantity by Application (2021-2026) & (K Units)

Table 127. Asia-Pacific 2D MEMS Probe Cards Sales Quantity by Application (2027-2032) & (K Units)

Table 128. Asia-Pacific 2D MEMS Probe Cards Sales Quantity by Region (2021-2026) & (K Units)

Table 129. Asia-Pacific 2D MEMS Probe Cards Sales Quantity by Region (2027-2032) & (K Units)

Table 130. Asia-Pacific 2D MEMS Probe Cards Consumption Value by Region (2021-2026) & (USD Million)

Table 131. Asia-Pacific 2D MEMS Probe Cards Consumption Value by Region (2027-2032) & (USD Million)

Table 132. South America 2D MEMS Probe Cards Sales Quantity by Type (2021-2026) & (K Units)

Table 133. South America 2D MEMS Probe Cards Sales Quantity by Type (2027-2032) & (K Units)

Table 134. South America 2D MEMS Probe Cards Sales Quantity by Application (2021-2026) & (K Units)

Table 135. South America 2D MEMS Probe Cards Sales Quantity by Application (2027-2032) & (K Units)

Table 136. South America 2D MEMS Probe Cards Sales Quantity by Country (2021-2026) & (K Units)

Table 137. South America 2D MEMS Probe Cards Sales Quantity by Country (2027-2032) & (K Units)

Table 138. South America 2D MEMS Probe Cards Consumption Value by Country (2021-2026) & (USD Million)

Table 139. South America 2D MEMS Probe Cards Consumption Value by Country (2027-2032) & (USD Million)

Table 140. Middle East & Africa 2D MEMS Probe Cards Sales Quantity by Type (2021-2026) & (K Units)

Table 141. Middle East & Africa 2D MEMS Probe Cards Sales Quantity by Type (2027-2032) & (K Units)

Table 142. Middle East & Africa 2D MEMS Probe Cards Sales Quantity by Application (2021-2026) & (K Units)

Table 143. Middle East & Africa 2D MEMS Probe Cards Sales Quantity by Application (2027-2032) & (K Units)

Table 144. Middle East & Africa 2D MEMS Probe Cards Sales Quantity by Country (2021-2026) & (K Units)

Table 145. Middle East & Africa 2D MEMS Probe Cards Sales Quantity by Country (2027-2032) & (K Units)

Table 146. Middle East & Africa 2D MEMS Probe Cards Consumption Value by Country (2021-2026) & (USD Million)

Table 147. Middle East & Africa 2D MEMS Probe Cards Consumption Value by Country (2027-2032) & (USD Million)

Table 148. 2D MEMS Probe Cards Raw Material

Table 149. Key Manufacturers of 2D MEMS Probe Cards Raw Materials

Table 150. 2D MEMS Probe Cards Typical Distributors

Table 151. 2D MEMS Probe Cards Typical Customers

List Of Figures

LIST OF FIGURES

Figure 1. 2D MEMS Probe Cards Picture

Figure 2. Global 2D MEMS Probe Cards Revenue by Type, (USD Million), 2021 & 2025 & 2032

Figure 3. Global 2D MEMS Probe Cards Revenue Market Share by Type in 2025

Figure 4. Basic Type Examples

Figure 5. High-end Custom Type Examples

Figure 6. Derivative Types Examples

Figure 7. Global 2D MEMS Probe Cards Revenue by Product Form, (USD Million), 2021 & 2025 & 2032

Figure 8. Global 2D MEMS Probe Cards Revenue Market Share by Product Form in 2025

Figure 9. Logic Chip Testing Dedicated Type Examples

Figure 10. Storage Chip Testing Dedicated Type Examples

Figure 11. General and Multi-functional Type Examples

Figure 12. Global 2D MEMS Probe Cards Revenue by Function Category, (USD Million), 2021 & 2025 & 2032

Figure 13. Global 2D MEMS Probe Cards Revenue Market Share by Function Category in 2025

Figure 14. Non-Storage Field Examples

Figure 15. Storage Field Examples

Figure 16. Global 2D MEMS Probe Cards Consumption Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 17. Global 2D MEMS Probe Cards Revenue Market Share by Application in 2025

Figure 18. Chip Design Examples

Figure 19. Wafer Foundry Examples

Figure 20. Packaging and Testing Examples

Figure 21. Global 2D MEMS Probe Cards Consumption Value, (USD Million): 2021 & 2025 & 2032

Figure 22. Global 2D MEMS Probe Cards Consumption Value and Forecast (2021-2032) & (USD Million)

Figure 23. Global 2D MEMS Probe Cards Sales Quantity (2021-2032) & (K Units)

Figure 24. Global 2D MEMS Probe Cards Price (2021-2032) & (US\$/Unit)

Figure 25. Global 2D MEMS Probe Cards Sales Quantity Market Share by Manufacturer in 2025

Figure 26. Global 2D MEMS Probe Cards Revenue Market Share by Manufacturer in 2025

Figure 27. Producer Shipments of 2D MEMS Probe Cards by Manufacturer Sales (\$MM) and Market Share (%): 2025

Figure 28. Top 3 2D MEMS Probe Cards Manufacturer (Revenue) Market Share in 2025

Figure 29. Top 6 2D MEMS Probe Cards Manufacturer (Revenue) Market Share in 2025

Figure 30. Global 2D MEMS Probe Cards Sales Quantity Market Share by Region (2021-2032)

Figure 31. Global 2D MEMS Probe Cards Consumption Value Market Share by Region (2021-2032)

Figure 32. North America 2D MEMS Probe Cards Consumption Value (2021-2032) & (USD Million)

Figure 33. Europe 2D MEMS Probe Cards Consumption Value (2021-2032) & (USD Million)

Figure 34. Asia-Pacific 2D MEMS Probe Cards Consumption Value (2021-2032) & (USD Million)

Figure 35. South America 2D MEMS Probe Cards Consumption Value (2021-2032) & (USD Million)

Figure 36. Middle East & Africa 2D MEMS Probe Cards Consumption Value (2021-2032) & (USD Million)

Figure 37. Global 2D MEMS Probe Cards Sales Quantity Market Share by Type (2021-2032)

Figure 38. Global 2D MEMS Probe Cards Consumption Value Market Share by Type (2021-2032)

Figure 39. Global 2D MEMS Probe Cards Average Price by Type (2021-2032) & (US\$/Unit)

Figure 40. Global 2D MEMS Probe Cards Sales Quantity Market Share by Application (2021-2032)

Figure 41. Global 2D MEMS Probe Cards Revenue Market Share by Application (2021-2032)

Figure 42. Global 2D MEMS Probe Cards Average Price by Application (2021-2032) & (US\$/Unit)

Figure 43. North America 2D MEMS Probe Cards Sales Quantity Market Share by Type (2021-2032)

Figure 44. North America 2D MEMS Probe Cards Sales Quantity Market Share by Application (2021-2032)

Figure 45. North America 2D MEMS Probe Cards Sales Quantity Market Share by

Country (2021-2032)

Figure 46. North America 2D MEMS Probe Cards Consumption Value Market Share by Country (2021-2032)

Figure 47. United States 2D MEMS Probe Cards Consumption Value (2021-2032) & (USD Million)

Figure 48. Canada 2D MEMS Probe Cards Consumption Value (2021-2032) & (USD Million)

Figure 49. Mexico 2D MEMS Probe Cards Consumption Value (2021-2032) & (USD Million)

Figure 50. Europe 2D MEMS Probe Cards Sales Quantity Market Share by Type (2021-2032)

Figure 51. Europe 2D MEMS Probe Cards Sales Quantity Market Share by Application (2021-2032)

Figure 52. Europe 2D MEMS Probe Cards Sales Quantity Market Share by Country (2021-2032)

Figure 53. Europe 2D MEMS Probe Cards Consumption Value Market Share by Country (2021-2032)

Figure 54. Germany 2D MEMS Probe Cards Consumption Value (2021-2032) & (USD Million)

Figure 55. France 2D MEMS Probe Cards Consumption Value (2021-2032) & (USD Million)

Figure 56. United Kingdom 2D MEMS Probe Cards Consumption Value (2021-2032) & (USD Million)

Figure 57. Russia 2D MEMS Probe Cards Consumption Value (2021-2032) & (USD Million)

Figure 58. Italy 2D MEMS Probe Cards Consumption Value (2021-2032) & (USD Million)

Figure 59. Asia-Pacific 2D MEMS Probe Cards Sales Quantity Market Share by Type (2021-2032)

Figure 60. Asia-Pacific 2D MEMS Probe Cards Sales Quantity Market Share by Application (2021-2032)

Figure 61. Asia-Pacific 2D MEMS Probe Cards Sales Quantity Market Share by Region (2021-2032)

Figure 62. Asia-Pacific 2D MEMS Probe Cards Consumption Value Market Share by Region (2021-2032)

Figure 63. China 2D MEMS Probe Cards Consumption Value (2021-2032) & (USD Million)

Figure 64. Japan 2D MEMS Probe Cards Consumption Value (2021-2032) & (USD Million)

Figure 65. South Korea 2D MEMS Probe Cards Consumption Value (2021-2032) & (USD Million)

Figure 66. India 2D MEMS Probe Cards Consumption Value (2021-2032) & (USD Million)

Figure 67. Southeast Asia 2D MEMS Probe Cards Consumption Value (2021-2032) & (USD Million)

Figure 68. Australia 2D MEMS Probe Cards Consumption Value (2021-2032) & (USD Million)

Figure 69. South America 2D MEMS Probe Cards Sales Quantity Market Share by Type (2021-2032)

Figure 70. South America 2D MEMS Probe Cards Sales Quantity Market Share by Application (2021-2032)

Figure 71. South America 2D MEMS Probe Cards Sales Quantity Market Share by Country (2021-2032)

Figure 72. South America 2D MEMS Probe Cards Consumption Value Market Share by Country (2021-2032)

Figure 73. Brazil 2D MEMS Probe Cards Consumption Value (2021-2032) & (USD Million)

Figure 74. Argentina 2D MEMS Probe Cards Consumption Value (2021-2032) & (USD Million)

Figure 75. Middle East & Africa 2D MEMS Probe Cards Sales Quantity Market Share by Type (2021-2032)

Figure 76. Middle East & Africa 2D MEMS Probe Cards Sales Quantity Market Share by Application (2021-2032)

Figure 77. Middle East & Africa 2D MEMS Probe Cards Sales Quantity Market Share by Country (2021-2032)

Figure 78. Middle East & Africa 2D MEMS Probe Cards Consumption Value Market Share by Country (2021-2032)

Figure 79. Turkey 2D MEMS Probe Cards Consumption Value (2021-2032) & (USD Million)

Figure 80. Egypt 2D MEMS Probe Cards Consumption Value (2021-2032) & (USD Million)

Figure 81. Saudi Arabia 2D MEMS Probe Cards Consumption Value (2021-2032) & (USD Million)

Figure 82. South Africa 2D MEMS Probe Cards Consumption Value (2021-2032) & (USD Million)

Figure 83. 2D MEMS Probe Cards Market Drivers

Figure 84. 2D MEMS Probe Cards Market Restraints

Figure 85. 2D MEMS Probe Cards Market Trends

Figure 86. Porters Five Forces Analysis

Figure 87. Manufacturing Cost Structure Analysis of 2D MEMS Probe Cards in 2025

Figure 88. Manufacturing Process Analysis of 2D MEMS Probe Cards

Figure 89. 2D MEMS Probe Cards Industrial Chain

Figure 90. Sales Channel: Direct to End-User vs Distributors

Figure 91. Direct Channel Pros & Cons

Figure 92. Indirect Channel Pros & Cons

Figure 93. Methodology

Figure 94. Research Process and Data Source

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