

Global Thin and Ultra-thin Vapor Chambers Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global Thin and Ultra-thin Vapor Chambers market size was valued at US\$ 118 million in 2024 and is forecast to a readjusted size of USD 160 million by 2031 with a CAGR of 4.5% during review period.

A vapor chamber is a planer heat pipe, which can spread heat in two dimensions. They are typically used in high heat flux applications, or when two-dimensional spreading is required. Vapor Chamber technology enables higher CPUs with a higher TDP (or overlocked state) to be efficiently and effectively cooled to safe operating temperatures, extending component and product life. Vapor chamber features a wick design that filled with coolant. When heated, the coolant changes phase from a liquid to a gas and back again to transfer heat. Thin and ultra-thin heat pipe vapor chambers offer excellent choices for space-constrained applications where heat needs to be moved to a remote location or spread quickly to a larger heat sink surface area.

Thin and Ultra-thin Vapor Chambers is an efficient heat dissipation technology for thermal management, especially suitable for applications requiring efficient heat dissipation such as electronic equipment, computer chips, LED lighting, and lasers. The vapor chamber uses the principle of liquid evaporation and condensation to conduct heat from the heat source to the heat dissipation part, thereby achieving uniform temperature distribution and efficient heat transfer. Thin and ultra-thin vapor chambers use thin metal or alloy plates, usually filled with working fluid (liquid medium) inside. These plates achieve even distribution and efficient conduction of heat through the evaporation and condensation of liquids. Ultra-thin vapor chambers have a thinner design that can fit into tighter space layouts, such as mobile devices, laptops, etc. The liquid inside the vapor chamber can effectively conduct heat during evaporation and

condensation, and has high thermal conductivity.

This report is a detailed and comprehensive analysis for global Thin and Ultra-thin Vapor Chambers 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 Thin and Ultra-thin Vapor Chambers market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Thin and Ultra-thin Vapor Chambers 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 Thin and Ultra-thin Vapor Chambers 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 Thin and Ultra-thin Vapor Chambers 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 Thin and Ultra-thin Vapor Chambers
- To forecast future growth in each product and end-use market
- To forecast future factors affecting the marketplace

This report profiles key players in the global Thin and Ultra-thin Vapor Chambers 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 Auras, CCI, Fujikura, Forcecon Tech, Jentech, Taisol, Delta Electronics, Jones Tech, Celsia, Tanyuan Technology, etc.

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

Market Segmentation

Thin and Ultra-thin Vapor Chambers 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

Thin Two-phase Devices

Ultra-thin Two-phase Devices

Market segment by Application

Phone

Other Mobile Devices

Major players covered

Auras

CCI

Fujikura

Forcecon Tech

Jentech

Taisol

Delta Electronics

Jones Tech

Celsia

Tanyuan Technology

Wakefield Vette

AVC

Specialcoolest Technology

Aavid

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:

Chapter 1, to describe Thin and Ultra-thin Vapor Chambers product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Thin and Ultra-thin Vapor Chambers, with price, sales quantity, revenue, and global market share of Thin and Ultra-thin Vapor Chambers from 2020 to 2025.

Chapter 3, the Thin and Ultra-thin Vapor Chambers competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Thin and Ultra-thin Vapor Chambers breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

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 2020 to 2031.

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 2020 to 2025. and Thin and Ultra-thin Vapor Chambers market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

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 Thin and Ultra-thin Vapor Chambers.

Chapter 14 and 15, to describe Thin and Ultra-thin Vapor Chambers 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 Thin and Ultra-thin Vapor Chambers Consumption Value by Type: 2020 Versus 2024 Versus 2031

1.3.2 Thin Two-phase Devices

1.3.3 Ultra-thin Two-phase Devices

1.4 Market Analysis by Application

1.4.1 Overview: Global Thin and Ultra-thin Vapor Chambers Consumption Value by Application: 2020 Versus 2024 Versus 2031

1.4.2 Phone

1.4.3 Other Mobile Devices

1.5 Global Thin and Ultra-thin Vapor Chambers Market Size & Forecast

1.5.1 Global Thin and Ultra-thin Vapor Chambers Consumption Value (2020 & 2024 & 2031)

1.5.2 Global Thin and Ultra-thin Vapor Chambers Sales Quantity (2020-2031)

1.5.3 Global Thin and Ultra-thin Vapor Chambers Average Price (2020-2031)

2 MANUFACTURERS PROFILES

2.1 Auras

2.1.1 Auras Details

2.1.2 Auras Major Business

2.1.3 Auras Thin and Ultra-thin Vapor Chambers Product and Services

2.1.4 Auras Thin and Ultra-thin Vapor Chambers Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.1.5 Auras Recent Developments/Updates

2.2 CCI

2.2.1 CCI Details

2.2.2 CCI Major Business

2.2.3 CCI Thin and Ultra-thin Vapor Chambers Product and Services

2.2.4 CCI Thin and Ultra-thin Vapor Chambers Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.2.5 CCI Recent Developments/Updates

2.3 Fujikura

- 2.3.1 Fujikura Details
- 2.3.2 Fujikura Major Business
- 2.3.3 Fujikura Thin and Ultra-thin Vapor Chambers Product and Services
- 2.3.4 Fujikura Thin and Ultra-thin Vapor Chambers Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
- 2.3.5 Fujikura Recent Developments/Updates
- 2.4 Forcecon Tech
 - 2.4.1 Forcecon Tech Details
 - 2.4.2 Forcecon Tech Major Business
 - 2.4.3 Forcecon Tech Thin and Ultra-thin Vapor Chambers Product and Services
 - 2.4.4 Forcecon Tech Thin and Ultra-thin Vapor Chambers Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.4.5 Forcecon Tech Recent Developments/Updates
- 2.5 Jentech
 - 2.5.1 Jentech Details
 - 2.5.2 Jentech Major Business
 - 2.5.3 Jentech Thin and Ultra-thin Vapor Chambers Product and Services
 - 2.5.4 Jentech Thin and Ultra-thin Vapor Chambers Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.5.5 Jentech Recent Developments/Updates
- 2.6 Taisol
 - 2.6.1 Taisol Details
 - 2.6.2 Taisol Major Business
 - 2.6.3 Taisol Thin and Ultra-thin Vapor Chambers Product and Services
 - 2.6.4 Taisol Thin and Ultra-thin Vapor Chambers Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.6.5 Taisol Recent Developments/Updates
- 2.7 Delta Electronics
 - 2.7.1 Delta Electronics Details
 - 2.7.2 Delta Electronics Major Business
 - 2.7.3 Delta Electronics Thin and Ultra-thin Vapor Chambers Product and Services
 - 2.7.4 Delta Electronics Thin and Ultra-thin Vapor Chambers Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.7.5 Delta Electronics Recent Developments/Updates
- 2.8 Jones Tech
 - 2.8.1 Jones Tech Details
 - 2.8.2 Jones Tech Major Business
 - 2.8.3 Jones Tech Thin and Ultra-thin Vapor Chambers Product and Services
 - 2.8.4 Jones Tech Thin and Ultra-thin Vapor Chambers Sales Quantity, Average Price,

Revenue, Gross Margin and Market Share (2020-2025)

2.8.5 Jones Tech Recent Developments/Updates

2.9 Celsia

2.9.1 Celsia Details

2.9.2 Celsia Major Business

2.9.3 Celsia Thin and Ultra-thin Vapor Chambers Product and Services

2.9.4 Celsia Thin and Ultra-thin Vapor Chambers Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.9.5 Celsia Recent Developments/Updates

2.10 Tanyuan Technology

2.10.1 Tanyuan Technology Details

2.10.2 Tanyuan Technology Major Business

2.10.3 Tanyuan Technology Thin and Ultra-thin Vapor Chambers Product and Services

2.10.4 Tanyuan Technology Thin and Ultra-thin Vapor Chambers Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.10.5 Tanyuan Technology Recent Developments/Updates

2.11 Wakefield Vette

2.11.1 Wakefield Vette Details

2.11.2 Wakefield Vette Major Business

2.11.3 Wakefield Vette Thin and Ultra-thin Vapor Chambers Product and Services

2.11.4 Wakefield Vette Thin and Ultra-thin Vapor Chambers Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.11.5 Wakefield Vette Recent Developments/Updates

2.12 AVC

2.12.1 AVC Details

2.12.2 AVC Major Business

2.12.3 AVC Thin and Ultra-thin Vapor Chambers Product and Services

2.12.4 AVC Thin and Ultra-thin Vapor Chambers Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.12.5 AVC Recent Developments/Updates

2.13 Specialcoolest Technology

2.13.1 Specialcoolest Technology Details

2.13.2 Specialcoolest Technology Major Business

2.13.3 Specialcoolest Technology Thin and Ultra-thin Vapor Chambers Product and Services

2.13.4 Specialcoolest Technology Thin and Ultra-thin Vapor Chambers Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.13.5 Specialcoolest Technology Recent Developments/Updates

2.14 Aavid

2.14.1 Aavid Details

2.14.2 Aavid Major Business

2.14.3 Aavid Thin and Ultra-thin Vapor Chambers Product and Services

2.14.4 Aavid Thin and Ultra-thin Vapor Chambers Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.14.5 Aavid Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: THIN AND ULTRA-THIN VAPOR CHAMBERS BY MANUFACTURER

3.1 Global Thin and Ultra-thin Vapor Chambers Sales Quantity by Manufacturer (2020-2025)

3.2 Global Thin and Ultra-thin Vapor Chambers Revenue by Manufacturer (2020-2025)

3.3 Global Thin and Ultra-thin Vapor Chambers Average Price by Manufacturer (2020-2025)

3.4 Market Share Analysis (2024)

3.4.1 Producer Shipments of Thin and Ultra-thin Vapor Chambers by Manufacturer Revenue (\$MM) and Market Share (%): 2024

3.4.2 Top 3 Thin and Ultra-thin Vapor Chambers Manufacturer Market Share in 2024

3.4.3 Top 6 Thin and Ultra-thin Vapor Chambers Manufacturer Market Share in 2024

3.5 Thin and Ultra-thin Vapor Chambers Market: Overall Company Footprint Analysis

3.5.1 Thin and Ultra-thin Vapor Chambers Market: Region Footprint

3.5.2 Thin and Ultra-thin Vapor Chambers Market: Company Product Type Footprint

3.5.3 Thin and Ultra-thin Vapor Chambers 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 Thin and Ultra-thin Vapor Chambers Market Size by Region

4.1.1 Global Thin and Ultra-thin Vapor Chambers Sales Quantity by Region (2020-2031)

4.1.2 Global Thin and Ultra-thin Vapor Chambers Consumption Value by Region (2020-2031)

4.1.3 Global Thin and Ultra-thin Vapor Chambers Average Price by Region (2020-2031)

4.2 North America Thin and Ultra-thin Vapor Chambers Consumption Value

(2020-2031)

4.3 Europe Thin and Ultra-thin Vapor Chambers Consumption Value (2020-2031)

4.4 Asia-Pacific Thin and Ultra-thin Vapor Chambers Consumption Value (2020-2031)

4.5 South America Thin and Ultra-thin Vapor Chambers Consumption Value

(2020-2031)

4.6 Middle East & Africa Thin and Ultra-thin Vapor Chambers Consumption Value

(2020-2031)

5 MARKET SEGMENT BY TYPE

5.1 Global Thin and Ultra-thin Vapor Chambers Sales Quantity by Type (2020-2031)

5.2 Global Thin and Ultra-thin Vapor Chambers Consumption Value by Type
(2020-2031)

5.3 Global Thin and Ultra-thin Vapor Chambers Average Price by Type (2020-2031)

6 MARKET SEGMENT BY APPLICATION

6.1 Global Thin and Ultra-thin Vapor Chambers Sales Quantity by Application
(2020-2031)

6.2 Global Thin and Ultra-thin Vapor Chambers Consumption Value by Application
(2020-2031)

6.3 Global Thin and Ultra-thin Vapor Chambers Average Price by Application
(2020-2031)

7 NORTH AMERICA

7.1 North America Thin and Ultra-thin Vapor Chambers Sales Quantity by Type
(2020-2031)

7.2 North America Thin and Ultra-thin Vapor Chambers Sales Quantity by Application
(2020-2031)

7.3 North America Thin and Ultra-thin Vapor Chambers Market Size by Country

7.3.1 North America Thin and Ultra-thin Vapor Chambers Sales Quantity by Country
(2020-2031)

7.3.2 North America Thin and Ultra-thin Vapor Chambers Consumption Value by
Country (2020-2031)

7.3.3 United States Market Size and Forecast (2020-2031)

7.3.4 Canada Market Size and Forecast (2020-2031)

7.3.5 Mexico Market Size and Forecast (2020-2031)

8 EUROPE

8.1 Europe Thin and Ultra-thin Vapor Chambers Sales Quantity by Type (2020-2031)

8.2 Europe Thin and Ultra-thin Vapor Chambers Sales Quantity by Application (2020-2031)

8.3 Europe Thin and Ultra-thin Vapor Chambers Market Size by Country

8.3.1 Europe Thin and Ultra-thin Vapor Chambers Sales Quantity by Country (2020-2031)

8.3.2 Europe Thin and Ultra-thin Vapor Chambers Consumption Value by Country (2020-2031)

8.3.3 Germany Market Size and Forecast (2020-2031)

8.3.4 France Market Size and Forecast (2020-2031)

8.3.5 United Kingdom Market Size and Forecast (2020-2031)

8.3.6 Russia Market Size and Forecast (2020-2031)

8.3.7 Italy Market Size and Forecast (2020-2031)

9 ASIA-PACIFIC

9.1 Asia-Pacific Thin and Ultra-thin Vapor Chambers Sales Quantity by Type (2020-2031)

9.2 Asia-Pacific Thin and Ultra-thin Vapor Chambers Sales Quantity by Application (2020-2031)

9.3 Asia-Pacific Thin and Ultra-thin Vapor Chambers Market Size by Region

9.3.1 Asia-Pacific Thin and Ultra-thin Vapor Chambers Sales Quantity by Region (2020-2031)

9.3.2 Asia-Pacific Thin and Ultra-thin Vapor Chambers Consumption Value by Region (2020-2031)

9.3.3 China Market Size and Forecast (2020-2031)

9.3.4 Japan Market Size and Forecast (2020-2031)

9.3.5 South Korea Market Size and Forecast (2020-2031)

9.3.6 India Market Size and Forecast (2020-2031)

9.3.7 Southeast Asia Market Size and Forecast (2020-2031)

9.3.8 Australia Market Size and Forecast (2020-2031)

10 SOUTH AMERICA

10.1 South America Thin and Ultra-thin Vapor Chambers Sales Quantity by Type (2020-2031)

10.2 South America Thin and Ultra-thin Vapor Chambers Sales Quantity by Application

(2020-2031)

10.3 South America Thin and Ultra-thin Vapor Chambers Market Size by Country

10.3.1 South America Thin and Ultra-thin Vapor Chambers Sales Quantity by Country
(2020-2031)

10.3.2 South America Thin and Ultra-thin Vapor Chambers Consumption Value by
Country (2020-2031)

10.3.3 Brazil Market Size and Forecast (2020-2031)

10.3.4 Argentina Market Size and Forecast (2020-2031)

11 MIDDLE EAST & AFRICA

11.1 Middle East & Africa Thin and Ultra-thin Vapor Chambers Sales Quantity by Type
(2020-2031)

11.2 Middle East & Africa Thin and Ultra-thin Vapor Chambers Sales Quantity by
Application (2020-2031)

11.3 Middle East & Africa Thin and Ultra-thin Vapor Chambers Market Size by Country
11.3.1 Middle East & Africa Thin and Ultra-thin Vapor Chambers Sales Quantity by
Country (2020-2031)

11.3.2 Middle East & Africa Thin and Ultra-thin Vapor Chambers Consumption Value
by Country (2020-2031)

11.3.3 Turkey Market Size and Forecast (2020-2031)

11.3.4 Egypt Market Size and Forecast (2020-2031)

11.3.5 Saudi Arabia Market Size and Forecast (2020-2031)

11.3.6 South Africa Market Size and Forecast (2020-2031)

12 MARKET DYNAMICS

12.1 Thin and Ultra-thin Vapor Chambers Market Drivers

12.2 Thin and Ultra-thin Vapor Chambers Market Restraints

12.3 Thin and Ultra-thin Vapor Chambers 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 Thin and Ultra-thin Vapor Chambers and Key Manufacturers
- 13.2 Manufacturing Costs Percentage of Thin and Ultra-thin Vapor Chambers
- 13.3 Thin and Ultra-thin Vapor Chambers 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 Thin and Ultra-thin Vapor Chambers Typical Distributors
- 14.3 Thin and Ultra-thin Vapor Chambers 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 Thin and Ultra-thin Vapor Chambers Consumption Value by Type, (USD Million), 2020 & 2024 & 2031

Table 2. Global Thin and Ultra-thin Vapor Chambers Consumption Value by Application, (USD Million), 2020 & 2024 & 2031

Table 3. Auras Basic Information, Manufacturing Base and Competitors

Table 4. Auras Major Business

Table 5. Auras Thin and Ultra-thin Vapor Chambers Product and Services

Table 6. Auras Thin and Ultra-thin Vapor Chambers Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 7. Auras Recent Developments/Updates

Table 8. CCI Basic Information, Manufacturing Base and Competitors

Table 9. CCI Major Business

Table 10. CCI Thin and Ultra-thin Vapor Chambers Product and Services

Table 11. CCI Thin and Ultra-thin Vapor Chambers Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 12. CCI Recent Developments/Updates

Table 13. Fujikura Basic Information, Manufacturing Base and Competitors

Table 14. Fujikura Major Business

Table 15. Fujikura Thin and Ultra-thin Vapor Chambers Product and Services

Table 16. Fujikura Thin and Ultra-thin Vapor Chambers Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 17. Fujikura Recent Developments/Updates

Table 18. Forcecon Tech Basic Information, Manufacturing Base and Competitors

Table 19. Forcecon Tech Major Business

Table 20. Forcecon Tech Thin and Ultra-thin Vapor Chambers Product and Services

Table 21. Forcecon Tech Thin and Ultra-thin Vapor Chambers Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 22. Forcecon Tech Recent Developments/Updates

Table 23. Jentech Basic Information, Manufacturing Base and Competitors

Table 24. Jentech Major Business

Table 25. Jentech Thin and Ultra-thin Vapor Chambers Product and Services

Table 26. Jentech Thin and Ultra-thin Vapor Chambers Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share

(2020-2025)

Table 27. Jentech Recent Developments/Updates

Table 28. Taisol Basic Information, Manufacturing Base and Competitors

Table 29. Taisol Major Business

Table 30. Taisol Thin and Ultra-thin Vapor Chambers Product and Services

Table 31. Taisol Thin and Ultra-thin Vapor Chambers Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 32. Taisol Recent Developments/Updates

Table 33. Delta Electronics Basic Information, Manufacturing Base and Competitors

Table 34. Delta Electronics Major Business

Table 35. Delta Electronics Thin and Ultra-thin Vapor Chambers Product and Services

Table 36. Delta Electronics Thin and Ultra-thin Vapor Chambers Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 37. Delta Electronics Recent Developments/Updates

Table 38. Jones Tech Basic Information, Manufacturing Base and Competitors

Table 39. Jones Tech Major Business

Table 40. Jones Tech Thin and Ultra-thin Vapor Chambers Product and Services

Table 41. Jones Tech Thin and Ultra-thin Vapor Chambers Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 42. Jones Tech Recent Developments/Updates

Table 43. Celsia Basic Information, Manufacturing Base and Competitors

Table 44. Celsia Major Business

Table 45. Celsia Thin and Ultra-thin Vapor Chambers Product and Services

Table 46. Celsia Thin and Ultra-thin Vapor Chambers Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 47. Celsia Recent Developments/Updates

Table 48. Tanyuan Technology Basic Information, Manufacturing Base and Competitors

Table 49. Tanyuan Technology Major Business

Table 50. Tanyuan Technology Thin and Ultra-thin Vapor Chambers Product and Services

Table 51. Tanyuan Technology Thin and Ultra-thin Vapor Chambers Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 52. Tanyuan Technology Recent Developments/Updates

Table 53. Wakefield Vette Basic Information, Manufacturing Base and Competitors

Table 54. Wakefield Vette Major Business

Table 55. Wakefield Vette Thin and Ultra-thin Vapor Chambers Product and Services

Table 56. Wakefield Vette Thin and Ultra-thin Vapor Chambers Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 57. Wakefield Vette Recent Developments/Updates

Table 58. AVC Basic Information, Manufacturing Base and Competitors

Table 59. AVC Major Business

Table 60. AVC Thin and Ultra-thin Vapor Chambers Product and Services

Table 61. AVC Thin and Ultra-thin Vapor Chambers Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 62. AVC Recent Developments/Updates

Table 63. Specialcoolest Technology Basic Information, Manufacturing Base and Competitors

Table 64. Specialcoolest Technology Major Business

Table 65. Specialcoolest Technology Thin and Ultra-thin Vapor Chambers Product and Services

Table 66. Specialcoolest Technology Thin and Ultra-thin Vapor Chambers Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 67. Specialcoolest Technology Recent Developments/Updates

Table 68. Aavid Basic Information, Manufacturing Base and Competitors

Table 69. Aavid Major Business

Table 70. Aavid Thin and Ultra-thin Vapor Chambers Product and Services

Table 71. Aavid Thin and Ultra-thin Vapor Chambers Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 72. Aavid Recent Developments/Updates

Table 73. Global Thin and Ultra-thin Vapor Chambers Sales Quantity by Manufacturer (2020-2025) & (K Units)

Table 74. Global Thin and Ultra-thin Vapor Chambers Revenue by Manufacturer (2020-2025) & (USD Million)

Table 75. Global Thin and Ultra-thin Vapor Chambers Average Price by Manufacturer (2020-2025) & (US\$/Unit)

Table 76. Market Position of Manufacturers in Thin and Ultra-thin Vapor Chambers, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2024

Table 77. Head Office and Thin and Ultra-thin Vapor Chambers Production Site of Key Manufacturer

Table 78. Thin and Ultra-thin Vapor Chambers Market: Company Product Type Footprint

Table 79. Thin and Ultra-thin Vapor Chambers Market: Company Product Application Footprint

Table 80. Thin and Ultra-thin Vapor Chambers New Market Entrants and Barriers to Market Entry

Table 81. Thin and Ultra-thin Vapor Chambers Mergers, Acquisition, Agreements, and Collaborations

Table 82. Global Thin and Ultra-thin Vapor Chambers Consumption Value by Region (2020-2024-2031) & (USD Million) & CAGR

Table 83. Global Thin and Ultra-thin Vapor Chambers Sales Quantity by Region (2020-2025) & (K Units)

Table 84. Global Thin and Ultra-thin Vapor Chambers Sales Quantity by Region (2026-2031) & (K Units)

Table 85. Global Thin and Ultra-thin Vapor Chambers Consumption Value by Region (2020-2025) & (USD Million)

Table 86. Global Thin and Ultra-thin Vapor Chambers Consumption Value by Region (2026-2031) & (USD Million)

Table 87. Global Thin and Ultra-thin Vapor Chambers Average Price by Region (2020-2025) & (US\$/Unit)

Table 88. Global Thin and Ultra-thin Vapor Chambers Average Price by Region (2026-2031) & (US\$/Unit)

Table 89. Global Thin and Ultra-thin Vapor Chambers Sales Quantity by Type (2020-2025) & (K Units)

Table 90. Global Thin and Ultra-thin Vapor Chambers Sales Quantity by Type (2026-2031) & (K Units)

Table 91. Global Thin and Ultra-thin Vapor Chambers Consumption Value by Type (2020-2025) & (USD Million)

Table 92. Global Thin and Ultra-thin Vapor Chambers Consumption Value by Type (2026-2031) & (USD Million)

Table 93. Global Thin and Ultra-thin Vapor Chambers Average Price by Type (2020-2025) & (US\$/Unit)

Table 94. Global Thin and Ultra-thin Vapor Chambers Average Price by Type (2026-2031) & (US\$/Unit)

Table 95. Global Thin and Ultra-thin Vapor Chambers Sales Quantity by Application (2020-2025) & (K Units)

Table 96. Global Thin and Ultra-thin Vapor Chambers Sales Quantity by Application (2026-2031) & (K Units)

Table 97. Global Thin and Ultra-thin Vapor Chambers Consumption Value by Application (2020-2025) & (USD Million)

Table 98. Global Thin and Ultra-thin Vapor Chambers Consumption Value by Application (2026-2031) & (USD Million)

Table 99. Global Thin and Ultra-thin Vapor Chambers Average Price by Application

(2020-2025) & (US\$/Unit)

Table 100. Global Thin and Ultra-thin Vapor Chambers Average Price by Application

(2026-2031) & (US\$/Unit)

Table 101. North America Thin and Ultra-thin Vapor Chambers Sales Quantity by Type

(2020-2025) & (K Units)

Table 102. North America Thin and Ultra-thin Vapor Chambers Sales Quantity by Type

(2026-2031) & (K Units)

Table 103. North America Thin and Ultra-thin Vapor Chambers Sales Quantity by

Application (2020-2025) & (K Units)

Table 104. North America Thin and Ultra-thin Vapor Chambers Sales Quantity by

Application (2026-2031) & (K Units)

Table 105. North America Thin and Ultra-thin Vapor Chambers Sales Quantity by

Country (2020-2025) & (K Units)

Table 106. North America Thin and Ultra-thin Vapor Chambers Sales Quantity by

Country (2026-2031) & (K Units)

Table 107. North America Thin and Ultra-thin Vapor Chambers Consumption Value by

Country (2020-2025) & (USD Million)

Table 108. North America Thin and Ultra-thin Vapor Chambers Consumption Value by

Country (2026-2031) & (USD Million)

Table 109. Europe Thin and Ultra-thin Vapor Chambers Sales Quantity by Type

(2020-2025) & (K Units)

Table 110. Europe Thin and Ultra-thin Vapor Chambers Sales Quantity by Type

(2026-2031) & (K Units)

Table 111. Europe Thin and Ultra-thin Vapor Chambers Sales Quantity by Application

(2020-2025) & (K Units)

Table 112. Europe Thin and Ultra-thin Vapor Chambers Sales Quantity by Application

(2026-2031) & (K Units)

Table 113. Europe Thin and Ultra-thin Vapor Chambers Sales Quantity by Country

(2020-2025) & (K Units)

Table 114. Europe Thin and Ultra-thin Vapor Chambers Sales Quantity by Country

(2026-2031) & (K Units)

Table 115. Europe Thin and Ultra-thin Vapor Chambers Consumption Value by Country

(2020-2025) & (USD Million)

Table 116. Europe Thin and Ultra-thin Vapor Chambers Consumption Value by Country

(2026-2031) & (USD Million)

Table 117. Asia-Pacific Thin and Ultra-thin Vapor Chambers Sales Quantity by Type

(2020-2025) & (K Units)

Table 118. Asia-Pacific Thin and Ultra-thin Vapor Chambers Sales Quantity by Type

(2026-2031) & (K Units)

Table 119. Asia-Pacific Thin and Ultra-thin Vapor Chambers Sales Quantity by Application (2020-2025) & (K Units)

Table 120. Asia-Pacific Thin and Ultra-thin Vapor Chambers Sales Quantity by Application (2026-2031) & (K Units)

Table 121. Asia-Pacific Thin and Ultra-thin Vapor Chambers Sales Quantity by Region (2020-2025) & (K Units)

Table 122. Asia-Pacific Thin and Ultra-thin Vapor Chambers Sales Quantity by Region (2026-2031) & (K Units)

Table 123. Asia-Pacific Thin and Ultra-thin Vapor Chambers Consumption Value by Region (2020-2025) & (USD Million)

Table 124. Asia-Pacific Thin and Ultra-thin Vapor Chambers Consumption Value by Region (2026-2031) & (USD Million)

Table 125. South America Thin and Ultra-thin Vapor Chambers Sales Quantity by Type (2020-2025) & (K Units)

Table 126. South America Thin and Ultra-thin Vapor Chambers Sales Quantity by Type (2026-2031) & (K Units)

Table 127. South America Thin and Ultra-thin Vapor Chambers Sales Quantity by Application (2020-2025) & (K Units)

Table 128. South America Thin and Ultra-thin Vapor Chambers Sales Quantity by Application (2026-2031) & (K Units)

Table 129. South America Thin and Ultra-thin Vapor Chambers Sales Quantity by Country (2020-2025) & (K Units)

Table 130. South America Thin and Ultra-thin Vapor Chambers Sales Quantity by Country (2026-2031) & (K Units)

Table 131. South America Thin and Ultra-thin Vapor Chambers Consumption Value by Country (2020-2025) & (USD Million)

Table 132. South America Thin and Ultra-thin Vapor Chambers Consumption Value by Country (2026-2031) & (USD Million)

Table 133. Middle East & Africa Thin and Ultra-thin Vapor Chambers Sales Quantity by Type (2020-2025) & (K Units)

Table 134. Middle East & Africa Thin and Ultra-thin Vapor Chambers Sales Quantity by Type (2026-2031) & (K Units)

Table 135. Middle East & Africa Thin and Ultra-thin Vapor Chambers Sales Quantity by Application (2020-2025) & (K Units)

Table 136. Middle East & Africa Thin and Ultra-thin Vapor Chambers Sales Quantity by Application (2026-2031) & (K Units)

Table 137. Middle East & Africa Thin and Ultra-thin Vapor Chambers Sales Quantity by Country (2020-2025) & (K Units)

Table 138. Middle East & Africa Thin and Ultra-thin Vapor Chambers Sales Quantity by

Country (2026-2031) & (K Units)

Table 139. Middle East & Africa Thin and Ultra-thin Vapor Chambers Consumption Value by Country (2020-2025) & (USD Million)

Table 140. Middle East & Africa Thin and Ultra-thin Vapor Chambers Consumption Value by Country (2026-2031) & (USD Million)

Table 141. Thin and Ultra-thin Vapor Chambers Raw Material

Table 142. Key Manufacturers of Thin and Ultra-thin Vapor Chambers Raw Materials

Table 143. Thin and Ultra-thin Vapor Chambers Typical Distributors

Table 144. Thin and Ultra-thin Vapor Chambers Typical Customers

List Of Figures

LIST OF FIGURES

- Figure 1. Thin and Ultra-thin Vapor Chambers Picture
- Figure 2. Global Thin and Ultra-thin Vapor Chambers Revenue by Type, (USD Million), 2020 & 2024 & 2031
- Figure 3. Global Thin and Ultra-thin Vapor Chambers Revenue Market Share by Type in 2024
- Figure 4. Thin Two-phase Devices Examples
- Figure 5. Ultra-thin Two-phase Devices Examples
- Figure 6. Global Thin and Ultra-thin Vapor Chambers Consumption Value by Application, (USD Million), 2020 & 2024 & 2031
- Figure 7. Global Thin and Ultra-thin Vapor Chambers Revenue Market Share by Application in 2024
- Figure 8. Phone Examples
- Figure 9. Other Mobile Devices Examples
- Figure 10. Global Thin and Ultra-thin Vapor Chambers Consumption Value, (USD Million): 2020 & 2024 & 2031
- Figure 11. Global Thin and Ultra-thin Vapor Chambers Consumption Value and Forecast (2020-2031) & (USD Million)
- Figure 12. Global Thin and Ultra-thin Vapor Chambers Sales Quantity (2020-2031) & (K Units)
- Figure 13. Global Thin and Ultra-thin Vapor Chambers Price (2020-2031) & (US\$/Unit)
- Figure 14. Global Thin and Ultra-thin Vapor Chambers Sales Quantity Market Share by Manufacturer in 2024
- Figure 15. Global Thin and Ultra-thin Vapor Chambers Revenue Market Share by Manufacturer in 2024
- Figure 16. Producer Shipments of Thin and Ultra-thin Vapor Chambers by Manufacturer Sales (\$MM) and Market Share (%): 2024
- Figure 17. Top 3 Thin and Ultra-thin Vapor Chambers Manufacturer (Revenue) Market Share in 2024
- Figure 18. Top 6 Thin and Ultra-thin Vapor Chambers Manufacturer (Revenue) Market Share in 2024
- Figure 19. Global Thin and Ultra-thin Vapor Chambers Sales Quantity Market Share by Region (2020-2031)
- Figure 20. Global Thin and Ultra-thin Vapor Chambers Consumption Value Market Share by Region (2020-2031)
- Figure 21. North America Thin and Ultra-thin Vapor Chambers Consumption Value

(2020-2031) & (USD Million)

Figure 22. Europe Thin and Ultra-thin Vapor Chambers Consumption Value

(2020-2031) & (USD Million)

Figure 23. Asia-Pacific Thin and Ultra-thin Vapor Chambers Consumption Value

(2020-2031) & (USD Million)

Figure 24. South America Thin and Ultra-thin Vapor Chambers Consumption Value

(2020-2031) & (USD Million)

Figure 25. Middle East & Africa Thin and Ultra-thin Vapor Chambers Consumption Value (2020-2031) & (USD Million)

Figure 26. Global Thin and Ultra-thin Vapor Chambers Sales Quantity Market Share by Type (2020-2031)

Figure 27. Global Thin and Ultra-thin Vapor Chambers Consumption Value Market Share by Type (2020-2031)

Figure 28. Global Thin and Ultra-thin Vapor Chambers Average Price by Type (2020-2031) & (US\$/Unit)

Figure 29. Global Thin and Ultra-thin Vapor Chambers Sales Quantity Market Share by Application (2020-2031)

Figure 30. Global Thin and Ultra-thin Vapor Chambers Revenue Market Share by Application (2020-2031)

Figure 31. Global Thin and Ultra-thin Vapor Chambers Average Price by Application (2020-2031) & (US\$/Unit)

Figure 32. North America Thin and Ultra-thin Vapor Chambers Sales Quantity Market Share by Type (2020-2031)

Figure 33. North America Thin and Ultra-thin Vapor Chambers Sales Quantity Market Share by Application (2020-2031)

Figure 34. North America Thin and Ultra-thin Vapor Chambers Sales Quantity Market Share by Country (2020-2031)

Figure 35. North America Thin and Ultra-thin Vapor Chambers Consumption Value Market Share by Country (2020-2031)

Figure 36. United States Thin and Ultra-thin Vapor Chambers Consumption Value (2020-2031) & (USD Million)

Figure 37. Canada Thin and Ultra-thin Vapor Chambers Consumption Value (2020-2031) & (USD Million)

Figure 38. Mexico Thin and Ultra-thin Vapor Chambers Consumption Value (2020-2031) & (USD Million)

Figure 39. Europe Thin and Ultra-thin Vapor Chambers Sales Quantity Market Share by Type (2020-2031)

Figure 40. Europe Thin and Ultra-thin Vapor Chambers Sales Quantity Market Share by Application (2020-2031)

Figure 41. Europe Thin and Ultra-thin Vapor Chambers Sales Quantity Market Share by Country (2020-2031)

Figure 42. Europe Thin and Ultra-thin Vapor Chambers Consumption Value Market Share by Country (2020-2031)

Figure 43. Germany Thin and Ultra-thin Vapor Chambers Consumption Value (2020-2031) & (USD Million)

Figure 44. France Thin and Ultra-thin Vapor Chambers Consumption Value (2020-2031) & (USD Million)

Figure 45. United Kingdom Thin and Ultra-thin Vapor Chambers Consumption Value (2020-2031) & (USD Million)

Figure 46. Russia Thin and Ultra-thin Vapor Chambers Consumption Value (2020-2031) & (USD Million)

Figure 47. Italy Thin and Ultra-thin Vapor Chambers Consumption Value (2020-2031) & (USD Million)

Figure 48. Asia-Pacific Thin and Ultra-thin Vapor Chambers Sales Quantity Market Share by Type (2020-2031)

Figure 49. Asia-Pacific Thin and Ultra-thin Vapor Chambers Sales Quantity Market Share by Application (2020-2031)

Figure 50. Asia-Pacific Thin and Ultra-thin Vapor Chambers Sales Quantity Market Share by Region (2020-2031)

Figure 51. Asia-Pacific Thin and Ultra-thin Vapor Chambers Consumption Value Market Share by Region (2020-2031)

Figure 52. China Thin and Ultra-thin Vapor Chambers Consumption Value (2020-2031) & (USD Million)

Figure 53. Japan Thin and Ultra-thin Vapor Chambers Consumption Value (2020-2031) & (USD Million)

Figure 54. South Korea Thin and Ultra-thin Vapor Chambers Consumption Value (2020-2031) & (USD Million)

Figure 55. India Thin and Ultra-thin Vapor Chambers Consumption Value (2020-2031) & (USD Million)

Figure 56. Southeast Asia Thin and Ultra-thin Vapor Chambers Consumption Value (2020-2031) & (USD Million)

Figure 57. Australia Thin and Ultra-thin Vapor Chambers Consumption Value (2020-2031) & (USD Million)

Figure 58. South America Thin and Ultra-thin Vapor Chambers Sales Quantity Market Share by Type (2020-2031)

Figure 59. South America Thin and Ultra-thin Vapor Chambers Sales Quantity Market Share by Application (2020-2031)

Figure 60. South America Thin and Ultra-thin Vapor Chambers Sales Quantity Market

Share by Country (2020-2031)

Figure 61. South America Thin and Ultra-thin Vapor Chambers Consumption Value
Market Share by Country (2020-2031)

Figure 62. Brazil Thin and Ultra-thin Vapor Chambers Consumption Value (2020-2031)
& (USD Million)

Figure 63. Argentina Thin and Ultra-thin Vapor Chambers Consumption Value
(2020-2031) & (USD Million)

Figure 64. Middle East & Africa Thin and Ultra-thin Vapor Chambers Sales Quantity
Market Share by Type (2020-2031)

Figure 65. Middle East & Africa Thin and Ultra-thin Vapor Chambers Sales Quantity
Market Share by Application (2020-2031)

Figure 66. Middle East & Africa Thin and Ultra-thin Vapor Chambers Sales Quantity
Market Share by Country (2020-2031)

Figure 67. Middle East & Africa Thin and Ultra-thin Vapor Chambers Consumption
Value Market Share by Country (2020-2031)

Figure 68. Turkey Thin and Ultra-thin Vapor Chambers Consumption Value (2020-2031)
& (USD Million)

Figure 69. Egypt Thin and Ultra-thin Vapor Chambers Consumption Value (2020-2031)
& (USD Million)

Figure 70. Saudi Arabia Thin and Ultra-thin Vapor Chambers Consumption Value
(2020-2031) & (USD Million)

Figure 71. South Africa Thin and Ultra-thin Vapor Chambers Consumption Value
(2020-2031) & (USD Million)

Figure 72. Thin and Ultra-thin Vapor Chambers Market Drivers

Figure 73. Thin and Ultra-thin Vapor Chambers Market Restraints

Figure 74. Thin and Ultra-thin Vapor Chambers Market Trends

Figure 75. Porters Five Forces Analysis

Figure 76. Manufacturing Cost Structure Analysis of Thin and Ultra-thin Vapor
Chambers in 2024

Figure 77. Manufacturing Process Analysis of Thin and Ultra-thin Vapor Chambers

Figure 78. Thin and Ultra-thin Vapor Chambers Industrial Chain

Figure 79. Sales Channel: Direct to End-User vs Distributors

Figure 80. Direct Channel Pros & Cons

Figure 81. Indirect Channel Pros & Cons

Figure 82. Methodology

Figure 83. Research Process and Data Source

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