

Global Fully Automatic Physical Vapor Transport (PVT) Systems Market Research Report 2026(Status and Outlook)

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Abstracts

Fully Automatic Physical Vapor Transport (PVT) Systems is an advanced crystal growth equipment that can automatically complete the PVT process for materials such as silicon carbide without human intervention, thus achieving efficient and precise crystal production. The system integrates high-precision temperature control, gas flow control, and automated control systems to ensure stability and repeatability during the crystal growth process.

The global Fully Automatic Physical Vapor Transport (PVT) Systems market size was estimated at USD 3712.0 million in 2025 and is projected to grow at a compound annual growth rate (CAGR) of 8.10% during the forecast period.

This report offers a comprehensive and in-depth analysis of the global Fully Automatic Physical Vapor Transport (PVT) Systems market, covering all critical facets from a broad macroeconomic overview to detailed micro-level insights. It examines market size, competitive landscape, emerging development trends, niche segments, key drivers and challenges, as well as conducts SWOT and value chain analyses.

The insights provided enable readers to understand the competitive dynamics within the industry and formulate effective strategies to enhance profitability and market positioning. Additionally, the report presents a clear framework for evaluating the current status and future outlook of business organizations operating in this sector.

A significant focus of this report lies in the competitive landscape of the global Fully Automatic Physical Vapor Transport (PVT) Systems market. It offers detailed profiles of major players, including their market shares, performance metrics, product portfolios,

and operational status. This enables stakeholders to identify leading competitors and gain a nuanced understanding of market rivalry and structure.

In summary, this report serves as an essential resource for industry participants, investors, researchers, consultants, and business strategists, as well as anyone planning to enter or expand their presence in the Fully Automatic Physical Vapor Transport (PVT) Systems market.

Global Fully Automatic Physical Vapor Transport (PVT) Systems Market: Market Segmentation Analysis

This research report provides a detailed segmentation of the market by region (country), key manufacturers, product type, and application. Market segmentation divides the overall market into distinct subsets based on factors such as product categories, end-user industries, geographic locations, and other relevant criteria.

A clear understanding of these market segments enables decision-makers to tailor their product development, sales, and marketing strategies more effectively to meet the unique needs of each segment. Leveraging market segmentation insights can significantly enhance targeted approaches, optimize resource allocation, and accelerate product innovation cycles by aligning offerings with the specific demands of diverse customer groups.

Key Company

CVD Equipment Corporation
PVA Crystal Growing Systems GmbH
PVA TePla AG Taiwan
Veeco
NAURA Technology Group
Jiangsu Zorrun Semiconductor
Chengdu Huaju Technology

Market Segmentation (by Type)

Single Crystal Growth System
Polycrystalline Growth System

Market Segmentation (by Application)

Material Science
Optoelectronics
Semiconductor
Others

Geographic Segmentation

North America (USA, Canada, Mexico)
Europe (Germany, UK, France, Russia, Italy, Rest of Europe)
Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Rest of Asia-Pacific)
South America (Brazil, Argentina, Columbia, Rest of South America)
The Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria, South Africa, Rest of MEA)

Key Benefits of This Market Research:

Industry drivers, restraints, and opportunities covered in the study
Neutral perspective on the market performance
Recent industry trends and developments
Competitive landscape & strategies of key players
Potential & niche segments and regions exhibiting promising growth covered
Historical, current, and projected market size, in terms of value
In-depth analysis of the Fully Automatic Physical Vapor Transport (PVT) Systems Market
Overview of the regional outlook of the Fully Automatic Physical Vapor Transport (PVT) Systems Market:

Customization of the Report

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Chapter Outline

Chapter 1 mainly introduces the statistical scope of the report, market division standards, and market research methods.

Chapter 2 is an executive summary of different market segments (by region, product

type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the Fully Automatic Physical Vapor Transport (PVT) Systems Market and its likely evolution in the short to mid-term, and long term.

Chapter 3 makes a detailed analysis of the market's competitive landscape of the market and provides the market share, capacity, output, price, latest development plan, merger, and acquisition information of the main manufacturers in the market.

Chapter 4 is the analysis of the whole market industrial chain, including the upstream and downstream of the industry, as well as Porter's five forces analysis.

Chapter 5 introduces the latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 6 provides the analysis of various market segments according to product types, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 7 provides the analysis of various market segments according to application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 8 provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and capacity of each country in the world.

Chapter 9 shares the main producing countries of Fully Automatic Physical Vapor Transport (PVT) Systems, their output value, profit level, regional supply, production capacity layout, etc. from the supply side.

Chapter 10 introduces the basic situation of the main companies in the market in detail, including product sales revenue, sales volume, price, gross profit margin, market share, product introduction, recent development, etc.

Chapter 11 provides a quantitative analysis of the market size and development potential of each region in the next five years.

Chapter 12 provides a quantitative analysis of the market size and development potential of each market segment in the next five years.

Chapter 13 is the main points and conclusions of the report.

Key Reasons to Buy this Report:

Access to date statistics compiled by our researchers. These provide you with historical and forecast data, which is analyzed to tell you why your market is set to change

This enables you to anticipate market changes to remain ahead of your competitors

You will be able to copy data from the Excel spreadsheet straight into your marketing plans, business presentations, or other strategic documents

The concise analysis, clear graph, and table format will enable you to pinpoint the information you require quickly

Provision of market value data for each segment and sub-segment

Indicates the region and segment that is expected to witness the fastest growth as well as to dominate the market

Analysis by geography highlighting the consumption of the product/service in the region as well as indicating the factors that are affecting the market within each region

Competitive landscape which incorporates the market ranking of the major players, along with new service/product launches, partnerships, business expansions, and acquisitions in the past five years of companies profiled

Extensive company profiles comprising of company overview, company insights, product benchmarking, and SWOT analysis for the major market players

The current as well as the future market outlook of the industry concerning recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions

Includes in-depth analysis of the market from various perspectives through Porter's five forces analysis

Provides insight into the market through Value Chain

Market dynamics scenario, along with growth opportunities of the market in the years to come

6-month post-sales analyst support

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Contents

1 RESEARCH METHODOLOGY AND STATISTICAL SCOPE

1.1 Market Definition and Statistical Scope of Fully Automatic Physical Vapor Transport (PVT) Systems

1.2 Key Market Segments

1.2.1 Fully Automatic Physical Vapor Transport (PVT) Systems Segment by Type

1.2.2 Fully Automatic Physical Vapor Transport (PVT) Systems Segment by

Application

1.3 Methodology & Sources of Information

1.3.1 Research Methodology

1.3.2 Research Process

1.3.3 Market Breakdown and Data Triangulation

1.3.4 Base Year

1.3.5 Report Assumptions & Caveats

2 FULLY AUTOMATIC PHYSICAL VAPOR TRANSPORT (PVT) SYSTEMS MARKET OVERVIEW

2.1 Global Market Overview

2.1.1 Global Fully Automatic Physical Vapor Transport (PVT) Systems Market Size (M USD) Estimates and Forecasts (2020-2035)

2.1.2 Global Fully Automatic Physical Vapor Transport (PVT) Systems Sales Estimates and Forecasts (2020-2035)

2.2 Market Segment Executive Summary

2.3 Global Market Size by Region

3 FULLY AUTOMATIC PHYSICAL VAPOR TRANSPORT (PVT) SYSTEMS MARKET COMPETITIVE LANDSCAPE

3.1 Company Assessment Quadrant

3.2 Global Fully Automatic Physical Vapor Transport (PVT) Systems Product Life Cycle

3.3 Global Fully Automatic Physical Vapor Transport (PVT) Systems Sales by Manufacturers (2020-2025)

3.4 Global Fully Automatic Physical Vapor Transport (PVT) Systems Revenue Market Share by Manufacturers (2020-2025)

3.5 Fully Automatic Physical Vapor Transport (PVT) Systems Market Share by Company Type (Tier 1, Tier 2, and Tier 3)

3.6 Global Fully Automatic Physical Vapor Transport (PVT) Systems Average Price by Manufacturers (2020-2025)

3.7 Manufacturers? Manufacturing Sites, Areas Served, and Product Types

3.8 Fully Automatic Physical Vapor Transport (PVT) Systems Market Competitive Situation and Trends

3.8.1 Fully Automatic Physical Vapor Transport (PVT) Systems Market Concentration Rate

3.8.2 Global 5 and 10 Largest Fully Automatic Physical Vapor Transport (PVT) Systems Players Market Share by Revenue

3.8.3 Mergers & Acquisitions, Expansion

4 FULLY AUTOMATIC PHYSICAL VAPOR TRANSPORT (PVT) SYSTEMS INDUSTRY CHAIN ANALYSIS

4.1 Fully Automatic Physical Vapor Transport (PVT) Systems Industry Chain Analysis

4.2 Market Overview of Key Raw Materials

4.3 Midstream Market Analysis

4.4 Downstream Customer Analysis

5 THE DEVELOPMENT AND DYNAMICS OF FULLY AUTOMATIC PHYSICAL VAPOR TRANSPORT (PVT) SYSTEMS MARKET

5.1 Key Development Trends

5.2 Driving Factors

5.3 Market Challenges

5.4 Industry News

5.4.1 New Product Developments

5.4.2 Mergers & Acquisitions

5.4.3 Expansions

5.4.4 Collaboration/Supply Contracts

5.5 PEST Analysis

5.5.1 Industry Policies Analysis

5.5.2 Economic Environment Analysis

5.5.3 Social Environment Analysis

5.5.4 Technological Environment Analysis

5.6 Global Fully Automatic Physical Vapor Transport (PVT) Systems Market Porter's Five Forces Analysis

5.6.1 Global Trade Frictions

5.6.2 U.S. Tariff Policy ? April 2025

5.6.3 Global Trade Frictions and Their Impacts to Fully Automatic Physical Vapor Transport (PVT) Systems Market

5.7 ESG Ratings of Leading Companies

6 FULLY AUTOMATIC PHYSICAL VAPOR TRANSPORT (PVT) SYSTEMS MARKET SEGMENTATION BY TYPE

6.1 Evaluation Matrix of Segment Market Development Potential (Type)

6.2 Global Fully Automatic Physical Vapor Transport (PVT) Systems Sales Market Share by Type (2020-2025)

6.3 Global Fully Automatic Physical Vapor Transport (PVT) Systems Market Size by Type (2020-2025)

6.4 Global Fully Automatic Physical Vapor Transport (PVT) Systems Price by Type (2020-2025)

7 FULLY AUTOMATIC PHYSICAL VAPOR TRANSPORT (PVT) SYSTEMS MARKET SEGMENTATION BY APPLICATION

7.1 Evaluation Matrix of Segment Market Development Potential (Application)

7.2 Global Fully Automatic Physical Vapor Transport (PVT) Systems Market Sales by Application (2020-2025)

7.3 Global Fully Automatic Physical Vapor Transport (PVT) Systems Market Size (M USD) by Application (2020-2025)

7.4 Global Fully Automatic Physical Vapor Transport (PVT) Systems Sales Growth Rate by Application (2020-2025)

8 FULLY AUTOMATIC PHYSICAL VAPOR TRANSPORT (PVT) SYSTEMS MARKET SALES BY REGION

8.1 Global Fully Automatic Physical Vapor Transport (PVT) Systems Sales by Region

8.1.1 Global Fully Automatic Physical Vapor Transport (PVT) Systems Sales by Region

8.1.2 Global Fully Automatic Physical Vapor Transport (PVT) Systems Sales Market Share by Region

8.2 Global Fully Automatic Physical Vapor Transport (PVT) Systems Market Size by Region

8.2.1 Global Fully Automatic Physical Vapor Transport (PVT) Systems Market Size by Region

8.2.2 Global Fully Automatic Physical Vapor Transport (PVT) Systems Market Size by

Region

8.3 North America

8.3.1 North America Fully Automatic Physical Vapor Transport (PVT) Systems Sales by Country

8.3.2 North America Fully Automatic Physical Vapor Transport (PVT) Systems Market Size by Country

8.3.3 U.S. Market Overview

8.3.4 Canada Market Overview

8.3.5 Mexico Market Overview

8.4 Europe

8.4.1 Europe Fully Automatic Physical Vapor Transport (PVT) Systems Sales by Country

8.4.2 Europe Fully Automatic Physical Vapor Transport (PVT) Systems Market Size by Country

8.4.3 Germany Market Overview

8.4.4 France Market Overview

8.4.5 U.K. Market Overview

8.4.6 Italy Market Overview

8.4.7 Spain Market Overview

8.5 Asia Pacific

8.5.1 Asia Pacific Fully Automatic Physical Vapor Transport (PVT) Systems Sales by Region

8.5.2 Asia Pacific Fully Automatic Physical Vapor Transport (PVT) Systems Market Size by Region

8.5.3 China Market Overview

8.5.4 Japan Market Overview

8.5.5 South Korea Market Overview

8.5.6 India Market Overview

8.5.7 Southeast Asia Market Overview

8.6 South America

8.6.1 South America Fully Automatic Physical Vapor Transport (PVT) Systems Sales by Country

8.6.2 South America Fully Automatic Physical Vapor Transport (PVT) Systems Market Size by Country

8.6.3 Brazil Market Overview

8.6.4 Argentina Market Overview

8.6.5 Columbia Market Overview

8.7 Middle East and Africa

8.7.1 Middle East and Africa Fully Automatic Physical Vapor Transport (PVT) Systems

Sales by Region

8.7.2 Middle East and Africa Fully Automatic Physical Vapor Transport (PVT) Systems

Market Size by Region

8.7.3 Saudi Arabia Market Overview

8.7.4 UAE Market Overview

8.7.5 Egypt Market Overview

8.7.6 Nigeria Market Overview

8.7.7 South Africa Market Overview

9 FULLY AUTOMATIC PHYSICAL VAPOR TRANSPORT (PVT) SYSTEMS MARKET PRODUCTION BY REGION

9.1 Global Production of Fully Automatic Physical Vapor Transport (PVT) Systems by Region(2020-2025)

9.2 Global Fully Automatic Physical Vapor Transport (PVT) Systems Revenue Market Share by Region (2020-2025)

9.3 Global Fully Automatic Physical Vapor Transport (PVT) Systems Production, Revenue, Price and Gross Margin (2020-2025)

9.4 North America Fully Automatic Physical Vapor Transport (PVT) Systems Production

9.4.1 North America Fully Automatic Physical Vapor Transport (PVT) Systems Production Growth Rate (2020-2025)

9.4.2 North America Fully Automatic Physical Vapor Transport (PVT) Systems Production, Revenue, Price and Gross Margin (2020-2025)

9.5 Europe Fully Automatic Physical Vapor Transport (PVT) Systems Production

9.5.1 Europe Fully Automatic Physical Vapor Transport (PVT) Systems Production Growth Rate (2020-2025)

9.5.2 Europe Fully Automatic Physical Vapor Transport (PVT) Systems Production, Revenue, Price and Gross Margin (2020-2025)

9.6 Japan Fully Automatic Physical Vapor Transport (PVT) Systems Production (2020-2025)

9.6.1 Japan Fully Automatic Physical Vapor Transport (PVT) Systems Production Growth Rate (2020-2025)

9.6.2 Japan Fully Automatic Physical Vapor Transport (PVT) Systems Production, Revenue, Price and Gross Margin (2020-2025)

9.7 China Fully Automatic Physical Vapor Transport (PVT) Systems Production (2020-2025)

9.7.1 China Fully Automatic Physical Vapor Transport (PVT) Systems Production Growth Rate (2020-2025)

9.7.2 China Fully Automatic Physical Vapor Transport (PVT) Systems Production,

Revenue, Price and Gross Margin (2020-2025)

10 KEY COMPANIES PROFILE

10.1 CVD Equipment Corporation

10.1.1 CVD Equipment Corporation Basic Information

10.1.2 CVD Equipment Corporation Fully Automatic Physical Vapor Transport (PVT) Systems Product Overview

10.1.3 CVD Equipment Corporation Fully Automatic Physical Vapor Transport (PVT) Systems Product Market Performance

10.1.4 CVD Equipment Corporation Business Overview

10.1.5 CVD Equipment Corporation SWOT Analysis

10.1.6 CVD Equipment Corporation Recent Developments

10.2 PVA Crystal Growing Systems GmbH

10.2.1 PVA Crystal Growing Systems GmbH Basic Information

10.2.2 PVA Crystal Growing Systems GmbH Fully Automatic Physical Vapor Transport (PVT) Systems Product Overview

10.2.3 PVA Crystal Growing Systems GmbH Fully Automatic Physical Vapor Transport (PVT) Systems Product Market Performance

10.2.4 PVA Crystal Growing Systems GmbH Business Overview

10.2.5 PVA Crystal Growing Systems GmbH SWOT Analysis

10.2.6 PVA Crystal Growing Systems GmbH Recent Developments

10.3 PVA TePla AG Taiwan

10.3.1 PVA TePla AG Taiwan Basic Information

10.3.2 PVA TePla AG Taiwan Fully Automatic Physical Vapor Transport (PVT) Systems Product Overview

10.3.3 PVA TePla AG Taiwan Fully Automatic Physical Vapor Transport (PVT) Systems Product Market Performance

10.3.4 PVA TePla AG Taiwan Business Overview

10.3.5 PVA TePla AG Taiwan SWOT Analysis

10.3.6 PVA TePla AG Taiwan Recent Developments

10.4 Veeco

10.4.1 Veeco Basic Information

10.4.2 Veeco Fully Automatic Physical Vapor Transport (PVT) Systems Product Overview

10.4.3 Veeco Fully Automatic Physical Vapor Transport (PVT) Systems Product Market Performance

10.4.4 Veeco Business Overview

10.4.5 Veeco Recent Developments

10.5 NAURA Technology Group

10.5.1 NAURA Technology Group Basic Information

10.5.2 NAURA Technology Group Fully Automatic Physical Vapor Transport (PVT) Systems Product Overview

10.5.3 NAURA Technology Group Fully Automatic Physical Vapor Transport (PVT) Systems Product Market Performance

10.5.4 NAURA Technology Group Business Overview

10.5.5 NAURA Technology Group Recent Developments

10.6 Jiangsu Zorrun Semiconductor

10.6.1 Jiangsu Zorrun Semiconductor Basic Information

10.6.2 Jiangsu Zorrun Semiconductor Fully Automatic Physical Vapor Transport (PVT) Systems Product Overview

10.6.3 Jiangsu Zorrun Semiconductor Fully Automatic Physical Vapor Transport (PVT) Systems Product Market Performance

10.6.4 Jiangsu Zorrun Semiconductor Business Overview

10.6.5 Jiangsu Zorrun Semiconductor Recent Developments

10.7 Chengdu Huaju Technology

10.7.1 Chengdu Huaju Technology Basic Information

10.7.2 Chengdu Huaju Technology Fully Automatic Physical Vapor Transport (PVT) Systems Product Overview

10.7.3 Chengdu Huaju Technology Fully Automatic Physical Vapor Transport (PVT) Systems Product Market Performance

10.7.4 Chengdu Huaju Technology Business Overview

10.7.5 Chengdu Huaju Technology Recent Developments

11 FULLY AUTOMATIC PHYSICAL VAPOR TRANSPORT (PVT) SYSTEMS MARKET FORECAST BY REGION

11.1 Global Fully Automatic Physical Vapor Transport (PVT) Systems Market Size Forecast

11.2 Global Fully Automatic Physical Vapor Transport (PVT) Systems Market Forecast by Region

11.2.1 North America Market Size Forecast by Country

11.2.2 Europe Fully Automatic Physical Vapor Transport (PVT) Systems Market Size Forecast by Country

11.2.3 Asia Pacific Fully Automatic Physical Vapor Transport (PVT) Systems Market Size Forecast by Region

11.2.4 South America Fully Automatic Physical Vapor Transport (PVT) Systems Market Size Forecast by Country

11.2.5 Middle East and Africa Forecasted Sales of Fully Automatic Physical Vapor Transport (PVT) Systems by Country

12 FORECAST MARKET BY TYPE AND BY APPLICATION (2026-2035)

12.1 Global Fully Automatic Physical Vapor Transport (PVT) Systems Market Forecast by Type (2026-2035)

12.1.1 Global Forecasted Sales of Fully Automatic Physical Vapor Transport (PVT) Systems by Type (2026-2035)

12.1.2 Global Fully Automatic Physical Vapor Transport (PVT) Systems Market Size Forecast by Type (2026-2035)

12.1.3 Global Forecasted Price of Fully Automatic Physical Vapor Transport (PVT) Systems by Type (2026-2035)

12.2 Global Fully Automatic Physical Vapor Transport (PVT) Systems Market Forecast by Application (2026-2035)

12.2.1 Global Fully Automatic Physical Vapor Transport (PVT) Systems Sales (K Units) Forecast by Application

12.2.2 Global Fully Automatic Physical Vapor Transport (PVT) Systems Market Size (M USD) Forecast by Application (2026-2035)

13 CONCLUSION AND KEY FINDINGS

List Of Tables

LIST OF TABLES

Table 1. Introduction of the Type

Table 2. Introduction of the Application

Table 3. Global Fully Automatic Physical Vapor Transport (PVT) Systems Market Size by Type (M USD)

Table 4. Global Fully Automatic Physical Vapor Transport (PVT) Systems Market Size by Application

Table 5. Fully Automatic Physical Vapor Transport (PVT) Systems Market Size Comparison by Region (M USD)

Table 6. Global Fully Automatic Physical Vapor Transport (PVT) Systems Sales (K Units) by Manufacturers (2020-2025)

Table 7. Global Fully Automatic Physical Vapor Transport (PVT) Systems Sales Market Share by Manufacturers (2020-2025)

Table 8. Global Fully Automatic Physical Vapor Transport (PVT) Systems Revenue (M USD) by Manufacturers (2020-2025)

Table 9. Global Fully Automatic Physical Vapor Transport (PVT) Systems Revenue Share by Manufacturers (2020-2025)

Table 10. Company Type (Tier 1, Tier 2, and Tier 3) & (based on the Revenue in Fully Automatic Physical Vapor Transport (PVT) Systems as of 2025)

Table 11. Global Market Fully Automatic Physical Vapor Transport (PVT) Systems Average Price (USD/Unit) of Key Manufacturers (2020-2025)

Table 12. Manufacturers? Manufacturing Sites, Areas Served

Table 13. Manufacturers? Product Type

Table 14. Global Fully Automatic Physical Vapor Transport (PVT) Systems Manufacturers Market Concentration Ratio (CR5 and HHI)

Table 15. Mergers & Acquisitions, Expansion Plans

Table 16. Market Overview of Key Raw Materials

Table 17. Midstream Market Analysis

Table 18. Downstream Customer Analysis

Table 19. Key Development Trends

Table 20. Driving Factors

Table 21. Fully Automatic Physical Vapor Transport (PVT) Systems Market Challenges

Table 22. Goldman Sachs' forecast real GDP growth rate for 2025-2026

Table 23. S&P Global ' Forecast Real GDP Growth Rate For 2025-2027

Table 24. World Bank ' Forecast Real GDP Growth Rate For 2025-2026

Table 25. The Tariff Rates Imposed by the United States on Major Commodity Trading

Countries

Table 26. Global Fully Automatic Physical Vapor Transport (PVT) Systems Sales by Type (K Units)

Table 27. Global Fully Automatic Physical Vapor Transport (PVT) Systems Market Size by Type (M USD)

Table 28. Global Fully Automatic Physical Vapor Transport (PVT) Systems Sales (K Units) by Type (2020-2025)

Table 29. Global Fully Automatic Physical Vapor Transport (PVT) Systems Sales Market Share by Type (2020-2025)

Table 30. Global Fully Automatic Physical Vapor Transport (PVT) Systems Market Size (M USD) by Type (2020-2025)

Table 31. Global Fully Automatic Physical Vapor Transport (PVT) Systems Market Share by Type (2020-2025)

Table 32. Global Fully Automatic Physical Vapor Transport (PVT) Systems Price (USD/Unit) by Type (2020-2025)

Table 33. Global Fully Automatic Physical Vapor Transport (PVT) Systems Sales (K Units) by Application

Table 34. Global Fully Automatic Physical Vapor Transport (PVT) Systems Market Size by Application

Table 35. Global Fully Automatic Physical Vapor Transport (PVT) Systems Sales by Application (2020-2025) & (K Units)

Table 36. Global Fully Automatic Physical Vapor Transport (PVT) Systems Sales Market Share by Application (2020-2025)

Table 37. Global Fully Automatic Physical Vapor Transport (PVT) Systems Market Size by Application (2020-2025) & (M USD)

Table 38. Global Fully Automatic Physical Vapor Transport (PVT) Systems Market Share by Application (2020-2025)

Table 39. Global Fully Automatic Physical Vapor Transport (PVT) Systems Sales Growth Rate by Application (2020-2025)

Table 40. Global Fully Automatic Physical Vapor Transport (PVT) Systems Sales by Region (2020-2025) & (K Units)

Table 41. Global Fully Automatic Physical Vapor Transport (PVT) Systems Sales Market Share by Region (2020-2025)

Table 42. Global Fully Automatic Physical Vapor Transport (PVT) Systems Market Size by Region (2020-2025) & (M USD)

Table 43. Global Fully Automatic Physical Vapor Transport (PVT) Systems Market Size by Region (2020-2025)

Table 44. North America Fully Automatic Physical Vapor Transport (PVT) Systems Sales by Country (2020-2025) & (K Units)

Table 45. North America Fully Automatic Physical Vapor Transport (PVT) Systems Market Size by Country (2020-2025) & (M USD)

Table 46. Europe Fully Automatic Physical Vapor Transport (PVT) Systems Sales by Country (2020-2025) & (K Units)

Table 47. Europe Fully Automatic Physical Vapor Transport (PVT) Systems Market Size by Country (2020-2025) & (M USD)

Table 48. Asia Pacific Fully Automatic Physical Vapor Transport (PVT) Systems Sales by Region (2020-2025) & (K Units)

Table 49. Asia Pacific Fully Automatic Physical Vapor Transport (PVT) Systems Market Size by Region (2020-2025) & (M USD)

Table 50. South America Fully Automatic Physical Vapor Transport (PVT) Systems Sales by Country (2020-2025) & (K Units)

Table 51. South America Fully Automatic Physical Vapor Transport (PVT) Systems Market Size by Country (2020-2025) & (M USD)

Table 52. Middle East and Africa Fully Automatic Physical Vapor Transport (PVT) Systems Sales by Region (2020-2025) & (K Units)

Table 53. Middle East and Africa Fully Automatic Physical Vapor Transport (PVT) Systems Market Size by Region (2020-2025) & (M USD)

Table 54. Global Fully Automatic Physical Vapor Transport (PVT) Systems Production (K Units) by Region(2020-2025)

Table 55. Global Fully Automatic Physical Vapor Transport (PVT) Systems Revenue (US\$ Million) by Region (2020-2025)

Table 56. Global Fully Automatic Physical Vapor Transport (PVT) Systems Revenue Market Share by Region (2020-2025)

Table 57. Global Fully Automatic Physical Vapor Transport (PVT) Systems Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 58. North America Fully Automatic Physical Vapor Transport (PVT) Systems Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 59. Europe Fully Automatic Physical Vapor Transport (PVT) Systems Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 60. Japan Fully Automatic Physical Vapor Transport (PVT) Systems Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 61. China Fully Automatic Physical Vapor Transport (PVT) Systems Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 62. CVD Equipment Corporation Basic Information

Table 63. CVD Equipment Corporation Fully Automatic Physical Vapor Transport (PVT) Systems Product Overview

Table 64. CVD Equipment Corporation Fully Automatic Physical Vapor Transport (PVT)

Systems Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 65. CVD Equipment Corporation Business Overview

Table 66. CVD Equipment Corporation SWOT Analysis

Table 67. CVD Equipment Corporation Recent Developments

Table 68. PVA Crystal Growing Systems GmbH Basic Information

Table 69. PVA Crystal Growing Systems GmbH Fully Automatic Physical Vapor Transport (PVT) Systems Product Overview

Table 70. PVA Crystal Growing Systems GmbH Fully Automatic Physical Vapor Transport (PVT) Systems Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 71. PVA Crystal Growing Systems GmbH Business Overview

Table 72. PVA Crystal Growing Systems GmbH SWOT Analysis

Table 73. PVA Crystal Growing Systems GmbH Recent Developments

Table 74. PVA TePla AG Taiwan Basic Information

Table 75. PVA TePla AG Taiwan Fully Automatic Physical Vapor Transport (PVT) Systems Product Overview

Table 76. PVA TePla AG Taiwan Fully Automatic Physical Vapor Transport (PVT) Systems Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 77. PVA TePla AG Taiwan Business Overview

Table 78. PVA TePla AG Taiwan SWOT Analysis

Table 79. PVA TePla AG Taiwan Recent Developments

Table 80. Veeco Basic Information

Table 81. Veeco Fully Automatic Physical Vapor Transport (PVT) Systems Product Overview

Table 82. Veeco Fully Automatic Physical Vapor Transport (PVT) Systems Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 83. Veeco Business Overview

Table 84. Veeco Recent Developments

Table 85. NAURA Technology Group Basic Information

Table 86. NAURA Technology Group Fully Automatic Physical Vapor Transport (PVT) Systems Product Overview

Table 87. NAURA Technology Group Fully Automatic Physical Vapor Transport (PVT) Systems Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 88. NAURA Technology Group Business Overview

Table 89. NAURA Technology Group Recent Developments

Table 90. Jiangsu Zorrun Semiconductor Basic Information

Table 91. Jiangsu Zorrun Semiconductor Fully Automatic Physical Vapor Transport (PVT) Systems Product Overview

Table 92. Jiangsu Zorrun Semiconductor Fully Automatic Physical Vapor Transport (PVT) Systems Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 93. Jiangsu Zorrun Semiconductor Business Overview

Table 94. Jiangsu Zorrun Semiconductor Recent Developments

Table 95. Chengdu Huaju Technology Basic Information

Table 96. Chengdu Huaju Technology Fully Automatic Physical Vapor Transport (PVT) Systems Product Overview

Table 97. Chengdu Huaju Technology Fully Automatic Physical Vapor Transport (PVT) Systems Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 98. Chengdu Huaju Technology Business Overview

Table 99. Chengdu Huaju Technology Recent Developments

Table 100. Global Fully Automatic Physical Vapor Transport (PVT) Systems Sales Forecast by Region (2026-2035) & (K Units)

Table 101. Global Fully Automatic Physical Vapor Transport (PVT) Systems Market Size Forecast by Region (2026-2035) & (M USD)

Table 102. North America Fully Automatic Physical Vapor Transport (PVT) Systems Sales Forecast by Country (2026-2035) & (K Units)

Table 103. North America Fully Automatic Physical Vapor Transport (PVT) Systems Market Size Forecast by Country (2026-2035) & (M USD)

Table 104. Europe Fully Automatic Physical Vapor Transport (PVT) Systems Sales Forecast by Country (2026-2035) & (K Units)

Table 105. Europe Fully Automatic Physical Vapor Transport (PVT) Systems Market Size Forecast by Country (2026-2035) & (M USD)

Table 106. Asia Pacific Fully Automatic Physical Vapor Transport (PVT) Systems Sales Forecast by Region (2026-2035) & (K Units)

Table 107. Asia Pacific Fully Automatic Physical Vapor Transport (PVT) Systems Market Size Forecast by Region (2026-2035) & (M USD)

Table 108. South America Fully Automatic Physical Vapor Transport (PVT) Systems Sales Forecast by Country (2026-2035) & (K Units)

Table 109. South America Fully Automatic Physical Vapor Transport (PVT) Systems Market Size Forecast by Country (2026-2035) & (M USD)

Table 110. Middle East and Africa Fully Automatic Physical Vapor Transport (PVT) Systems Sales Forecast by Country (2026-2035) & (Units)

Table 111. Middle East and Africa Fully Automatic Physical Vapor Transport (PVT) Systems Market Size Forecast by Country (2026-2035) & (M USD)

Table 112. Global Fully Automatic Physical Vapor Transport (PVT) Systems Sales Forecast by Type (2026-2035) & (K Units)

Table 113. Global Fully Automatic Physical Vapor Transport (PVT) Systems Market Size Forecast by Type (2026-2035) & (M USD)

Table 114. Global Fully Automatic Physical Vapor Transport (PVT) Systems Price Forecast by Type (2026-2035) & (USD/Unit)

Table 115. Global Fully Automatic Physical Vapor Transport (PVT) Systems Sales (K Units) Forecast by Application (2026-2035)

Table 116. Global Fully Automatic Physical Vapor Transport (PVT) Systems Market Size Forecast by Application (2026-2035) & (M USD)

List Of Figures

LIST OF FIGURES

- Figure 1. Product Picture of Fully Automatic Physical Vapor Transport (PVT) Systems
- Figure 2. Data Triangulation
- Figure 3. Key Caveats
- Figure 4. Global Fully Automatic Physical Vapor Transport (PVT) Systems Market Size (M USD), 2025-2035
- Figure 5. Global Fully Automatic Physical Vapor Transport (PVT) Systems Market Size (M USD) (2020-2035)
- Figure 6. Global Fully Automatic Physical Vapor Transport (PVT) Systems Sales (K Units) & (2020-2035)
- Figure 7. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 8. Evaluation Matrix of Segment Market Development Potential (Application)
- Figure 9. Evaluation Matrix of Regional Market Development Potential
- Figure 10. Fully Automatic Physical Vapor Transport (PVT) Systems Market Size by Country (M USD)
- Figure 11. Company Assessment Quadrant
- Figure 12. Global Fully Automatic Physical Vapor Transport (PVT) Systems Product Life Cycle
- Figure 13. Fully Automatic Physical Vapor Transport (PVT) Systems Sales Share by Manufacturers in 2025
- Figure 14. Global Fully Automatic Physical Vapor Transport (PVT) Systems Revenue Share by Manufacturers in 2025
- Figure 15. Fully Automatic Physical Vapor Transport (PVT) Systems Market Share by Company Type (Tier 1, Tier 2 and Tier 3): 2025
- Figure 16. Global Market Fully Automatic Physical Vapor Transport (PVT) Systems Average Price (USD/Unit) of Key Manufacturers in 2025
- Figure 17. The Global 5 and 10 Largest Players: Market Share by Fully Automatic Physical Vapor Transport (PVT) Systems Revenue in 2025
- Figure 18. Industry Chain Map of Fully Automatic Physical Vapor Transport (PVT) Systems
- Figure 19. Global Fully Automatic Physical Vapor Transport (PVT) Systems Market PEST Analysis
- Figure 20. Global Fully Automatic Physical Vapor Transport (PVT) Systems Market Porter's Five Forces Analysis
- Figure 21. Global Merchandise Trade as a Percentage Of GDP
- Figure 22. US - Imports of Goods by Country

Figure 23. China Exports by Country

Figure 24. ESG Rating Distribution of The Leading Company Compared With Its Peers

Figure 25. Evaluation Matrix of Segment Market Development Potential (Type)

Figure 26. Global Fully Automatic Physical Vapor Transport (PVT) Systems Market Share by Type

Figure 27. Sales Market Share of Fully Automatic Physical Vapor Transport (PVT) Systems by Type (2020-2025)

Figure 28. Sales Market Share of Fully Automatic Physical Vapor Transport (PVT) Systems by Type in 2025

Figure 29. Market Share of Fully Automatic Physical Vapor Transport (PVT) Systems by Type (2020-2025)

Figure 30. Market Share of Fully Automatic Physical Vapor Transport (PVT) Systems by Type in 2025

Figure 31. Evaluation Matrix of Segment Market Development Potential (Application)

Figure 32. Global Fully Automatic Physical Vapor Transport (PVT) Systems Market Share by Application

Figure 33. Global Fully Automatic Physical Vapor Transport (PVT) Systems Sales Market Share by Application (2020-2025)

Figure 34. Global Fully Automatic Physical Vapor Transport (PVT) Systems Sales Market Share by Application in 2025

Figure 35. Global Fully Automatic Physical Vapor Transport (PVT) Systems Market Share by Application (2020-2025)

Figure 36. Global Fully Automatic Physical Vapor Transport (PVT) Systems Market Share by Application in 2025

Figure 37. Global Fully Automatic Physical Vapor Transport (PVT) Systems Sales Growth Rate by Application (2020-2025)

Figure 38. Global Fully Automatic Physical Vapor Transport (PVT) Systems Sales Market Share by Region (2020-2025)

Figure 39. Global Fully Automatic Physical Vapor Transport (PVT) Systems Market Size by Region (2020-2025)

Figure 40. North America Fully Automatic Physical Vapor Transport (PVT) Systems Sales and Growth Rate (2020-2025) & (K Units)

Figure 41. North America Fully Automatic Physical Vapor Transport (PVT) Systems Sales and Growth Rate (2020-2025) & (K Units)

Figure 42. North America Fully Automatic Physical Vapor Transport (PVT) Systems Sales Market Share by Country in 2024

Figure 43. North America Fully Automatic Physical Vapor Transport (PVT) Systems Market Size and Growth Rate (2020-2025) & (M USD)

Figure 44. North America Fully Automatic Physical Vapor Transport (PVT) Systems

Market Size by Country in 2024

Figure 45. U.S. Fully Automatic Physical Vapor Transport (PVT) Systems Sales and Growth Rate (2020-2025) & (K Units)

Figure 46. U.S. Fully Automatic Physical Vapor Transport (PVT) Systems Market Size and Growth Rate (2020-2025) & (M USD)

Figure 47. Canada Fully Automatic Physical Vapor Transport (PVT) Systems Sales (K Units) and Growth Rate (2020-2025)

Figure 48. Canada Fully Automatic Physical Vapor Transport (PVT) Systems Market Size (M USD) and Growth Rate (2020-2025)

Figure 49. Mexico Fully Automatic Physical Vapor Transport (PVT) Systems Sales (Units) and Growth Rate (2020-2025)

Figure 50. Mexico Fully Automatic Physical Vapor Transport (PVT) Systems Market Size (Units) and Growth Rate (2020-2025)

Figure 51. Europe Fully Automatic Physical Vapor Transport (PVT) Systems Sales and Growth Rate (2020-2025) & (K Units)

Figure 52. Europe Fully Automatic Physical Vapor Transport (PVT) Systems Sales Market Share by Country in 2024

Figure 53. Europe Fully Automatic Physical Vapor Transport (PVT) Systems Market Size and Growth Rate (2020-2025) & (M USD)

Figure 54. Europe Fully Automatic Physical Vapor Transport (PVT) Systems Market Size by Country in 2024

Figure 55. Germany Fully Automatic Physical Vapor Transport (PVT) Systems Sales and Growth Rate (2020-2025) & (K Units)

Figure 56. Germany Fully Automatic Physical Vapor Transport (PVT) Systems Market Size and Growth Rate (2020-2025) & (M USD)

Figure 57. France Fully Automatic Physical Vapor Transport (PVT) Systems Sales and Growth Rate (2020-2025) & (K Units)

Figure 58. France Fully Automatic Physical Vapor Transport (PVT) Systems Market Size and Growth Rate (2020-2025) & (M USD)

Figure 59. U.K. Fully Automatic Physical Vapor Transport (PVT) Systems Sales and Growth Rate (2020-2025) & (K Units)

Figure 60. U.K. Fully Automatic Physical Vapor Transport (PVT) Systems Market Size and Growth Rate (2020-2025) & (M USD)

Figure 61. Italy Fully Automatic Physical Vapor Transport (PVT) Systems Sales and Growth Rate (2020-2025) & (K Units)

Figure 62. Italy Fully Automatic Physical Vapor Transport (PVT) Systems Market Size and Growth Rate (2020-2025) & (M USD)

Figure 63. Spain Fully Automatic Physical Vapor Transport (PVT) Systems Sales and Growth Rate (2020-2025) & (K Units)

Figure 64. Spain Fully Automatic Physical Vapor Transport (PVT) Systems Market Size and Growth Rate (2020-2025) & (M USD)

Figure 65. Asia Pacific Fully Automatic Physical Vapor Transport (PVT) Systems Sales and Growth Rate (K Units)

Figure 66. Asia Pacific Fully Automatic Physical Vapor Transport (PVT) Systems Sales Market Share by Region in 2024

Figure 67. Asia Pacific Fully Automatic Physical Vapor Transport (PVT) Systems Market Size by Region in 2024

Figure 68. China Fully Automatic Physical Vapor Transport (PVT) Systems Sales and Growth Rate (2020-2025) & (K Units)

Figure 69. China Fully Automatic Physical Vapor Transport (PVT) Systems Market Size and Growth Rate (2020-2025) & (M USD)

Figure 70. Japan Fully Automatic Physical Vapor Transport (PVT) Systems Sales and Growth Rate (2020-2025) & (K Units)

Figure 71. Japan Fully Automatic Physical Vapor Transport (PVT) Systems Market Size and Growth Rate (2020-2025) & (M USD)

Figure 72. South Korea Fully Automatic Physical Vapor Transport (PVT) Systems Sales and Growth Rate (2020-2025) & (K Units)

Figure 73. South Korea Fully Automatic Physical Vapor Transport (PVT) Systems Market Size and Growth Rate (2020-2025) & (M USD)

Figure 74. India Fully Automatic Physical Vapor Transport (PVT) Systems Sales and Growth Rate (2020-2025) & (K Units)

Figure 75. India Fully Automatic Physical Vapor Transport (PVT) Systems Market Size and Growth Rate (2020-2025) & (M USD)

Figure 76. Southeast Asia Fully Automatic Physical Vapor Transport (PVT) Systems Sales and Growth Rate (2020-2025) & (K Units)

Figure 77. Southeast Asia Fully Automatic Physical Vapor Transport (PVT) Systems Market Size and Growth Rate (2020-2025) & (M USD)

Figure 78. South America Fully Automatic Physical Vapor Transport (PVT) Systems Sales and Growth Rate (K Units)

Figure 79. South America Fully Automatic Physical Vapor Transport (PVT) Systems Sales Market Share by Country in 2024

Figure 80. South America Fully Automatic Physical Vapor Transport (PVT) Systems Market Size and Growth Rate (M USD)

Figure 81. South America Fully Automatic Physical Vapor Transport (PVT) Systems Market Size by Country in 2024

Figure 82. Brazil Fully Automatic Physical Vapor Transport (PVT) Systems Sales and Growth Rate (2020-2025) & (K Units)

Figure 83. Brazil Fully Automatic Physical Vapor Transport (PVT) Systems Market Size

and Growth Rate (2020-2025) & (M USD)

Figure 84. Argentina Fully Automatic Physical Vapor Transport (PVT) Systems Sales and Growth Rate (2020-2025) & (K Units)

Figure 85. Argentina Fully Automatic Physical Vapor Transport (PVT) Systems Market Size and Growth Rate (2020-2025) & (M USD)

Figure 86. Columbia Fully Automatic Physical Vapor Transport (PVT) Systems Sales and Growth Rate (2020-2025) & (K Units)

Figure 87. Columbia Fully Automatic Physical Vapor Transport (PVT) Systems Market Size and Growth Rate (2020-2025) & (M USD)

Figure 88. Middle East and Africa Fully Automatic Physical Vapor Transport (PVT) Systems Sales and Growth Rate (K Units)

Figure 89. Middle East and Africa Fully Automatic Physical Vapor Transport (PVT) Systems Sales Market Share by Region in 2024

Figure 90. Middle East and Africa Fully Automatic Physical Vapor Transport (PVT) Systems Market Size and Growth Rate (M USD)

Figure 91. Middle East and Africa Fully Automatic Physical Vapor Transport (PVT) Systems Market Size by Region in 2024

Figure 92. Saudi Arabia Fully Automatic Physical Vapor Transport (PVT) Systems Sales and Growth Rate (2020-2025) & (K Units)

Figure 93. Saudi Arabia Fully Automatic Physical Vapor Transport (PVT) Systems Market Size and Growth Rate (2020-2025) & (M USD)

Figure 94. UAE Fully Automatic Physical Vapor Transport (PVT) Systems Sales and Growth Rate (2020-2025) & (K Units)

Figure 95. UAE Fully Automatic Physical Vapor Transport (PVT) Systems Market Size and Growth Rate (2020-2025) & (M USD)

Figure 96. Egypt Fully Automatic Physical Vapor Transport (PVT) Systems Sales and Growth Rate (2020-2025) & (K Units)

Figure 97. Egypt Fully Automatic Physical Vapor Transport (PVT) Systems Market Size and Growth Rate (2020-2025) & (M USD)

Figure 98. Nigeria Fully Automatic Physical Vapor Transport (PVT) Systems Sales and Growth Rate (2020-2025) & (K Units)

Figure 99. Nigeria Fully Automatic Physical Vapor Transport (PVT) Systems Market Size and Growth Rate (2020-2025) & (M USD)

Figure 100. South Africa Fully Automatic Physical Vapor Transport (PVT) Systems Sales and Growth Rate (2020-2025) & (K Units)

Figure 101. South Africa Fully Automatic Physical Vapor Transport (PVT) Systems Market Size and Growth Rate (2020-2025) & (M USD)

Figure 102. Global Fully Automatic Physical Vapor Transport (PVT) Systems Production Market Share by Region (2020-2025)

Figure 103. North America Fully Automatic Physical Vapor Transport (PVT) Systems Production (K Units) Growth Rate (2020-2025)

Figure 104. Europe Fully Automatic Physical Vapor Transport (PVT) Systems Production (K Units) Growth Rate (2020-2025)

Figure 105. Japan Fully Automatic Physical Vapor Transport (PVT) Systems Production (K Units) Growth Rate (2020-2025)

Figure 106. China Fully Automatic Physical Vapor Transport (PVT) Systems Production (K Units) Growth Rate (2020-2025)

Figure 107. Global Fully Automatic Physical Vapor Transport (PVT) Systems Sales Forecast by Volume (2020-2035) & (K Units)

Figure 108. Global Fully Automatic Physical Vapor Transport (PVT) Systems Market Size Forecast by Value (2020-2035) & (M USD)

Figure 109. Global Fully Automatic Physical Vapor Transport (PVT) Systems Sales Market Share Forecast by Type (2026-2035)

Figure 110. Global Fully Automatic Physical Vapor Transport (PVT) Systems Market Share Forecast by Type (2026-2035)

Figure 111. Global Fully Automatic Physical Vapor Transport (PVT) Systems Sales Forecast by Application (2026-2035)

Figure 112. Global Fully Automatic Physical Vapor Transport (PVT) Systems Market Share Forecast by Application (2026-2035)

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