

Global Phase Shift Masks (PSM) Market Growth 2023-2029

<https://marketpublishers.com/r/G36D61CB8F76EN.html>

Date: March 2023

Pages: 97

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

ID: G36D61CB8F76EN

Abstracts

The report requires updating with new data and is sent in 48 hours after order is placed.

Phase Shift Mask, PSM is a resolution enhancement technology that simultaneously uses the intensity and phase of light to image to obtain higher resolution. The phase shift mask is a method to improve the resolution of lithography by changing the phase of the beam. The basic principle is to change the mask structure so that the light wave passing through the adjacent light-transmitting area produces a phase difference of 180 degrees. The two are in the image plane. Destructive interference will occur in a specific area on the upper part, reducing the light intensity of the dark field in the light field and increasing the light field in the bright area to increase the contrast and improve the resolution

LPI (LP Information)' newest research report, the "Phase Shift Masks (PSM) Industry Forecast" looks at past sales and reviews total world Phase Shift Masks (PSM) sales in 2022, providing a comprehensive analysis by region and market sector of projected Phase Shift Masks (PSM) sales for 2023 through 2029. With Phase Shift Masks (PSM) sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Phase Shift Masks (PSM) industry.

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

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Phase Shift Masks (PSM) and breaks down the forecast by type, by application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Phase Shift Masks (PSM).

The global Phase Shift Masks (PSM) market size is projected to grow from US\$ million in 2022 to US\$ million in 2029; it is expected to grow at a CAGR of % from 2023 to 2029.

United States market for Phase Shift Masks (PSM) is estimated to increase from US\$ million in 2022 to US\$ million by 2029, at a CAGR of % from 2023 through 2029.

China market for Phase Shift Masks (PSM) is estimated to increase from US\$ million in 2022 to US\$ million by 2029, at a CAGR of % from 2023 through 2029.

Europe market for Phase Shift Masks (PSM) is estimated to increase from US\$ million in 2022 to US\$ million by 2029, at a CAGR of % from 2023 through 2029.

Global key Phase Shift Masks (PSM) players cover Photronics, DNP, Toppan, HOYA and China Resources Microelectronics, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2022.

This report presents a comprehensive overview, market shares, and growth opportunities of Phase Shift Masks (PSM) market by product type, application, key manufacturers and key regions and countries.

Market Segmentation:

Segmentation by type

Halftone Mask (Attenuated PSM)

Levenson Mask (Alternating PSM)

RimPSM

Sub Resolution PSM

Self-alignment PSM

Chrome-less PSM / All-transparent PSM

Complex PSM

Segmentation by application

193 nm

248 nm

365 nm

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

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

Photronics

DNP

Toppan

HOYA

China Resources Microelectronics

Key Questions Addressed in this Report

What is the 10-year outlook for the global Phase Shift Masks (PSM) market?

What factors are driving Phase Shift Masks (PSM) market growth, globally and by region?

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

How do Phase Shift Masks (PSM) market opportunities vary by end market size?

How does Phase Shift Masks (PSM) break out type, application?

What are the influences of COVID-19 and Russia-Ukraine war?

Contents

1 SCOPE OF THE REPORT

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

2 EXECUTIVE SUMMARY

- 2.1 World Market Overview
 - 2.1.1 Global Phase Shift Masks (PSM) Annual Sales 2018-2029
 - 2.1.2 World Current & Future Analysis for Phase Shift Masks (PSM) by Geographic Region, 2018, 2022 & 2029
 - 2.1.3 World Current & Future Analysis for Phase Shift Masks (PSM) by Country/Region, 2018, 2022 & 2029
- 2.2 Phase Shift Masks (PSM) Segment by Type
 - 2.2.1 Halftone Mask (Attenuated PSM)
 - 2.2.2 Levenson Mask (Alternating PSM)
 - 2.2.3 RimPSM
 - 2.2.4 Sub ResolutionPSM
 - 2.2.5 Self-alignmentPSM
 - 2.2.6 Chrome-lessPSM /All -transparent PSM
 - 2.2.7 Complex PSM
- 2.3 Phase Shift Masks (PSM) Sales by Type
 - 2.3.1 Global Phase Shift Masks (PSM) Sales Market Share by Type (2018-2023)
 - 2.3.2 Global Phase Shift Masks (PSM) Revenue and Market Share by Type (2018-2023)
 - 2.3.3 Global Phase Shift Masks (PSM) Sale Price by Type (2018-2023)
- 2.4 Phase Shift Masks (PSM) Segment by Application
 - 2.4.1 193 nm
 - 2.4.2 248 nm
 - 2.4.3 365 nm
- 2.5 Phase Shift Masks (PSM) Sales by Application

- 2.5.1 Global Phase Shift Masks (PSM) Sale Market Share by Application (2018-2023)
- 2.5.2 Global Phase Shift Masks (PSM) Revenue and Market Share by Application (2018-2023)
- 2.5.3 Global Phase Shift Masks (PSM) Sale Price by Application (2018-2023)

3 GLOBAL PHASE SHIFT MASKS (PSM) BY COMPANY

- 3.1 Global Phase Shift Masks (PSM) Breakdown Data by Company
 - 3.1.1 Global Phase Shift Masks (PSM) Annual Sales by Company (2018-2023)
 - 3.1.2 Global Phase Shift Masks (PSM) Sales Market Share by Company (2018-2023)
- 3.2 Global Phase Shift Masks (PSM) Annual Revenue by Company (2018-2023)
 - 3.2.1 Global Phase Shift Masks (PSM) Revenue by Company (2018-2023)
 - 3.2.2 Global Phase Shift Masks (PSM) Revenue Market Share by Company (2018-2023)
- 3.3 Global Phase Shift Masks (PSM) Sale Price by Company
- 3.4 Key Manufacturers Phase Shift Masks (PSM) Producing Area Distribution, Sales Area, Product Type
 - 3.4.1 Key Manufacturers Phase Shift Masks (PSM) Product Location Distribution
 - 3.4.2 Players Phase Shift Masks (PSM) Products Offered
- 3.5 Market Concentration Rate Analysis
 - 3.5.1 Competition Landscape Analysis
 - 3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2018-2023)
- 3.6 New Products and Potential Entrants
- 3.7 Mergers & Acquisitions, Expansion

4 WORLD HISTORIC REVIEW FOR PHASE SHIFT MASKS (PSM) BY GEOGRAPHIC REGION

- 4.1 World Historic Phase Shift Masks (PSM) Market Size by Geographic Region (2018-2023)
 - 4.1.1 Global Phase Shift Masks (PSM) Annual Sales by Geographic Region (2018-2023)
 - 4.1.2 Global Phase Shift Masks (PSM) Annual Revenue by Geographic Region (2018-2023)
- 4.2 World Historic Phase Shift Masks (PSM) Market Size by Country/Region (2018-2023)
 - 4.2.1 Global Phase Shift Masks (PSM) Annual Sales by Country/Region (2018-2023)
 - 4.2.2 Global Phase Shift Masks (PSM) Annual Revenue by Country/Region (2018-2023)

- 4.3 Americas Phase Shift Masks (PSM) Sales Growth
- 4.4 APAC Phase Shift Masks (PSM) Sales Growth
- 4.5 Europe Phase Shift Masks (PSM) Sales Growth
- 4.6 Middle East & Africa Phase Shift Masks (PSM) Sales Growth

5 AMERICAS

- 5.1 Americas Phase Shift Masks (PSM) Sales by Country
 - 5.1.1 Americas Phase Shift Masks (PSM) Sales by Country (2018-2023)
 - 5.1.2 Americas Phase Shift Masks (PSM) Revenue by Country (2018-2023)
- 5.2 Americas Phase Shift Masks (PSM) Sales by Type
- 5.3 Americas Phase Shift Masks (PSM) Sales by Application
- 5.4 United States
- 5.5 Canada
- 5.6 Mexico
- 5.7 Brazil

6 APAC

- 6.1 APAC Phase Shift Masks (PSM) Sales by Region
 - 6.1.1 APAC Phase Shift Masks (PSM) Sales by Region (2018-2023)
 - 6.1.2 APAC Phase Shift Masks (PSM) Revenue by Region (2018-2023)
- 6.2 APAC Phase Shift Masks (PSM) Sales by Type
- 6.3 APAC Phase Shift Masks (PSM) Sales by Application
- 6.4 China
- 6.5 Japan
- 6.6 South Korea
- 6.7 Southeast Asia
- 6.8 India
- 6.9 Australia
- 6.10 China Taiwan

7 EUROPE

- 7.1 Europe Phase Shift Masks (PSM) by Country
 - 7.1.1 Europe Phase Shift Masks (PSM) Sales by Country (2018-2023)
 - 7.1.2 Europe Phase Shift Masks (PSM) Revenue by Country (2018-2023)
- 7.2 Europe Phase Shift Masks (PSM) Sales by Type
- 7.3 Europe Phase Shift Masks (PSM) Sales by Application

7.4 Germany

7.5 France

7.6 UK

7.7 Italy

7.8 Russia

8 MIDDLE EAST & AFRICA

8.1 Middle East & Africa Phase Shift Masks (PSM) by Country

8.1.1 Middle East & Africa Phase Shift Masks (PSM) Sales by Country (2018-2023)

8.1.2 Middle East & Africa Phase Shift Masks (PSM) Revenue by Country (2018-2023)

8.2 Middle East & Africa Phase Shift Masks (PSM) Sales by Type

8.3 Middle East & Africa Phase Shift Masks (PSM) Sales by Application

8.4 Egypt

8.5 South Africa

8.6 Israel

8.7 Turkey

8.8 GCC Countries

9 MARKET DRIVERS, CHALLENGES AND TRENDS

9.1 Market Drivers & Growth Opportunities

9.2 Market Challenges & Risks

9.3 Industry Trends

10 MANUFACTURING COST STRUCTURE ANALYSIS

10.1 Raw Material and Suppliers

10.2 Manufacturing Cost Structure Analysis of Phase Shift Masks (PSM)

10.3 Manufacturing Process Analysis of Phase Shift Masks (PSM)

10.4 Industry Chain Structure of Phase Shift Masks (PSM)

11 MARKETING, DISTRIBUTORS AND CUSTOMER

11.1 Sales Channel

11.1.1 Direct Channels

11.1.2 Indirect Channels

11.2 Phase Shift Masks (PSM) Distributors

11.3 Phase Shift Masks (PSM) Customer

12 WORLD FORECAST REVIEW FOR PHASE SHIFT MASKS (PSM) BY GEOGRAPHIC REGION

- 12.1 Global Phase Shift Masks (PSM) Market Size Forecast by Region
 - 12.1.1 Global Phase Shift Masks (PSM) Forecast by Region (2024-2029)
 - 12.1.2 Global Phase Shift Masks (PSM) Annual Revenue Forecast by Region (2024-2029)
- 12.2 Americas Forecast by Country
- 12.3 APAC Forecast by Region
- 12.4 Europe Forecast by Country
- 12.5 Middle East & Africa Forecast by Country
- 12.6 Global Phase Shift Masks (PSM) Forecast by Type
- 12.7 Global Phase Shift Masks (PSM) Forecast by Application

13 KEY PLAYERS ANALYSIS

- 13.1 Photronics
 - 13.1.1 Photronics Company Information
 - 13.1.2 Photronics Phase Shift Masks (PSM) Product Portfolios and Specifications
 - 13.1.3 Photronics Phase Shift Masks (PSM) Sales, Revenue, Price and Gross Margin (2018-2023)
 - 13.1.4 Photronics Main Business Overview
 - 13.1.5 Photronics Latest Developments
- 13.2 DNP
 - 13.2.1 DNP Company Information
 - 13.2.2 DNP Phase Shift Masks (PSM) Product Portfolios and Specifications
 - 13.2.3 DNP Phase Shift Masks (PSM) Sales, Revenue, Price and Gross Margin (2018-2023)
 - 13.2.4 DNP Main Business Overview
 - 13.2.5 DNP Latest Developments
- 13.3 Toppan
 - 13.3.1 Toppan Company Information
 - 13.3.2 Toppan Phase Shift Masks (PSM) Product Portfolios and Specifications
 - 13.3.3 Toppan Phase Shift Masks (PSM) Sales, Revenue, Price and Gross Margin (2018-2023)
 - 13.3.4 Toppan Main Business Overview
 - 13.3.5 Toppan Latest Developments
- 13.4 HOYA

- 13.4.1 HOYA Company Information
- 13.4.2 HOYA Phase Shift Masks (PSM) Product Portfolios and Specifications
- 13.4.3 HOYA Phase Shift Masks (PSM) Sales, Revenue, Price and Gross Margin (2018-2023)
- 13.4.4 HOYA Main Business Overview
- 13.4.5 HOYA Latest Developments
- 13.5 China Resources Microelectronics
 - 13.5.1 China Resources Microelectronics Company Information
 - 13.5.2 China Resources Microelectronics Phase Shift Masks (PSM) Product Portfolios and Specifications
 - 13.5.3 China Resources Microelectronics Phase Shift Masks (PSM) Sales, Revenue, Price and Gross Margin (2018-2023)
 - 13.5.4 China Resources Microelectronics Main Business Overview
 - 13.5.5 China Resources Microelectronics Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

List Of Tables

LIST OF TABLES

Table 1. Phase Shift Masks (PSM) Annual Sales CAGR by Geographic Region (2018, 2022 & 2029) & (\$ millions)

Table 2. Phase Shift Masks (PSM) Annual Sales CAGR by Country/Region (2018, 2022 & 2029) & (\$ millions)

Table 3. Major Players of Halftone Mask (Attenuated PSM)

Table 4. Major Players of Levenson Mask (Alternating PSM)

Table 5. Major Players of RimPSM

Table 6. Major Players of Sub ResolutionPSM

Table 7. Major Players of Self-alignmentPSM

Table 8. Major Players of Chrome-lessPSM /All -transparent PSM

Table 9. Major Players of Complex PSM

Table 10. Global Phase Shift Masks (PSM) Sales by Type (2018-2023) & (K Units)

Table 11. Global Phase Shift Masks (PSM) Sales Market Share by Type (2018-2023)

Table 12. Global Phase Shift Masks (PSM) Revenue by Type (2018-2023) & (\$ million)

Table 13. Global Phase Shift Masks (PSM) Revenue Market Share by Type (2018-2023)

Table 14. Global Phase Shift Masks (PSM) Sale Price by Type (2018-2023) & (US\$/Unit)

Table 15. Global Phase Shift Masks (PSM) Sales by Application (2018-2023) & (K Units)

Table 16. Global Phase Shift Masks (PSM) Sales Market Share by Application (2018-2023)

Table 17. Global Phase Shift Masks (PSM) Revenue by Application (2018-2023)

Table 18. Global Phase Shift Masks (PSM) Revenue Market Share by Application (2018-2023)

Table 19. Global Phase Shift Masks (PSM) Sale Price by Application (2018-2023) & (US\$/Unit)

Table 20. Global Phase Shift Masks (PSM) Sales by Company (2018-2023) & (K Units)

Table 21. Global Phase Shift Masks (PSM) Sales Market Share by Company (2018-2023)

Table 22. Global Phase Shift Masks (PSM) Revenue by Company (2018-2023) (\$ Millions)

Table 23. Global Phase Shift Masks (PSM) Revenue Market Share by Company (2018-2023)

Table 24. Global Phase Shift Masks (PSM) Sale Price by Company (2018-2023) &

(US\$/Unit)

Table 25. Key Manufacturers Phase Shift Masks (PSM) Producing Area Distribution and Sales Area

Table 26. Players Phase Shift Masks (PSM) Products Offered

Table 27. Phase Shift Masks (PSM) Concentration Ratio (CR3, CR5 and CR10) & (2018-2023)

Table 28. New Products and Potential Entrants

Table 29. Mergers & Acquisitions, Expansion

Table 30. Global Phase Shift Masks (PSM) Sales by Geographic Region (2018-2023) & (K Units)

Table 31. Global Phase Shift Masks (PSM) Sales Market Share Geographic Region (2018-2023)

Table 32. Global Phase Shift Masks (PSM) Revenue by Geographic Region (2018-2023) & (\$ millions)

Table 33. Global Phase Shift Masks (PSM) Revenue Market Share by Geographic Region (2018-2023)

Table 34. Global Phase Shift Masks (PSM) Sales by Country/Region (2018-2023) & (K Units)

Table 35. Global Phase Shift Masks (PSM) Sales Market Share by Country/Region (2018-2023)

Table 36. Global Phase Shift Masks (PSM) Revenue by Country/Region (2018-2023) & (\$ millions)

Table 37. Global Phase Shift Masks (PSM) Revenue Market Share by Country/Region (2018-2023)

Table 38. Americas Phase Shift Masks (PSM) Sales by Country (2018-2023) & (K Units)

Table 39. Americas Phase Shift Masks (PSM) Sales Market Share by Country (2018-2023)

Table 40. Americas Phase Shift Masks (PSM) Revenue by Country (2018-2023) & (\$ Millions)

Table 41. Americas Phase Shift Masks (PSM) Revenue Market Share by Country (2018-2023)

Table 42. Americas Phase Shift Masks (PSM) Sales by Type (2018-2023) & (K Units)

Table 43. Americas Phase Shift Masks (PSM) Sales by Application (2018-2023) & (K Units)

Table 44. APAC Phase Shift Masks (PSM) Sales by Region (2018-2023) & (K Units)

Table 45. APAC Phase Shift Masks (PSM) Sales Market Share by Region (2018-2023)

Table 46. APAC Phase Shift Masks (PSM) Revenue by Region (2018-2023) & (\$ Millions)

- Table 47. APAC Phase Shift Masks (PSM) Revenue Market Share by Region (2018-2023)
- Table 48. APAC Phase Shift Masks (PSM) Sales by Type (2018-2023) & (K Units)
- Table 49. APAC Phase Shift Masks (PSM) Sales by Application (2018-2023) & (K Units)
- Table 50. Europe Phase Shift Masks (PSM) Sales by Country (2018-2023) & (K Units)
- Table 51. Europe Phase Shift Masks (PSM) Sales Market Share by Country (2018-2023)
- Table 52. Europe Phase Shift Masks (PSM) Revenue by Country (2018-2023) & (\$ Millions)
- Table 53. Europe Phase Shift Masks (PSM) Revenue Market Share by Country (2018-2023)
- Table 54. Europe Phase Shift Masks (PSM) Sales by Type (2018-2023) & (K Units)
- Table 55. Europe Phase Shift Masks (PSM) Sales by Application (2018-2023) & (K Units)
- Table 56. Middle East & Africa Phase Shift Masks (PSM) Sales by Country (2018-2023) & (K Units)
- Table 57. Middle East & Africa Phase Shift Masks (PSM) Sales Market Share by Country (2018-2023)
- Table 58. Middle East & Africa Phase Shift Masks (PSM) Revenue by Country (2018-2023) & (\$ Millions)
- Table 59. Middle East & Africa Phase Shift Masks (PSM) Revenue Market Share by Country (2018-2023)
- Table 60. Middle East & Africa Phase Shift Masks (PSM) Sales by Type (2018-2023) & (K Units)
- Table 61. Middle East & Africa Phase Shift Masks (PSM) Sales by Application (2018-2023) & (K Units)
- Table 62. Key Market Drivers & Growth Opportunities of Phase Shift Masks (PSM)
- Table 63. Key Market Challenges & Risks of Phase Shift Masks (PSM)
- Table 64. Key Industry Trends of Phase Shift Masks (PSM)
- Table 65. Phase Shift Masks (PSM) Raw Material
- Table 66. Key Suppliers of Raw Materials
- Table 67. Phase Shift Masks (PSM) Distributors List
- Table 68. Phase Shift Masks (PSM) Customer List
- Table 69. Global Phase Shift Masks (PSM) Sales Forecast by Region (2024-2029) & (K Units)
- Table 70. Global Phase Shift Masks (PSM) Revenue Forecast by Region (2024-2029) & (\$ millions)
- Table 71. Americas Phase Shift Masks (PSM) Sales Forecast by Country (2024-2029) & (K Units)

- Table 72. Americas Phase Shift Masks (PSM) Revenue Forecast by Country (2024-2029) & (\$ millions)
- Table 73. APAC Phase Shift Masks (PSM) Sales Forecast by Region (2024-2029) & (K Units)
- Table 74. APAC Phase Shift Masks (PSM) Revenue Forecast by Region (2024-2029) & (\$ millions)
- Table 75. Europe Phase Shift Masks (PSM) Sales Forecast by Country (2024-2029) & (K Units)
- Table 76. Europe Phase Shift Masks (PSM) Revenue Forecast by Country (2024-2029) & (\$ millions)
- Table 77. Middle East & Africa Phase Shift Masks (PSM) Sales Forecast by Country (2024-2029) & (K Units)
- Table 78. Middle East & Africa Phase Shift Masks (PSM) Revenue Forecast by Country (2024-2029) & (\$ millions)
- Table 79. Global Phase Shift Masks (PSM) Sales Forecast by Type (2024-2029) & (K Units)
- Table 80. Global Phase Shift Masks (PSM) Revenue Forecast by Type (2024-2029) & (\$ Millions)
- Table 81. Global Phase Shift Masks (PSM) Sales Forecast by Application (2024-2029) & (K Units)
- Table 82. Global Phase Shift Masks (PSM) Revenue Forecast by Application (2024-2029) & (\$ Millions)
- Table 83. Photronics Basic Information, Phase Shift Masks (PSM) Manufacturing Base, Sales Area and Its Competitors
- Table 84. Photronics Phase Shift Masks (PSM) Product Portfolios and Specifications
- Table 85. Photronics Phase Shift Masks (PSM) Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)
- Table 86. Photronics Main Business
- Table 87. Photronics Latest Developments
- Table 88. DNP Basic Information, Phase Shift Masks (PSM) Manufacturing Base, Sales Area and Its Competitors
- Table 89. DNP Phase Shift Masks (PSM) Product Portfolios and Specifications
- Table 90. DNP Phase Shift Masks (PSM) Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)
- Table 91. DNP Main Business
- Table 92. DNP Latest Developments
- Table 93. Toppan Basic Information, Phase Shift Masks (PSM) Manufacturing Base, Sales Area and Its Competitors
- Table 94. Toppan Phase Shift Masks (PSM) Product Portfolios and Specifications

Table 95. Toppan Phase Shift Masks (PSM) Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 96. Toppan Main Business

Table 97. Toppan Latest Developments

Table 98. HOYA Basic Information, Phase Shift Masks (PSM) Manufacturing Base, Sales Area and Its Competitors

Table 99. HOYA Phase Shift Masks (PSM) Product Portfolios and Specifications

Table 100. HOYA Phase Shift Masks (PSM) Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 101. HOYA Main Business

Table 102. HOYA Latest Developments

Table 103. China Resources Microelectronics Basic Information, Phase Shift Masks (PSM) Manufacturing Base, Sales Area and Its Competitors

Table 104. China Resources Microelectronics Phase Shift Masks (PSM) Product Portfolios and Specifications

Table 105. China Resources Microelectronics Phase Shift Masks (PSM) Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 106. China Resources Microelectronics Main Business

Table 107. China Resources Microelectronics Latest Developments

List Of Figures

LIST OF FIGURES

- Figure 1. Picture of Phase Shift Masks (PSM)
- Figure 2. Phase Shift Masks (PSM) Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global Phase Shift Masks (PSM) Sales Growth Rate 2018-2029 (K Units)
- Figure 7. Global Phase Shift Masks (PSM) Revenue Growth Rate 2018-2029 (\$ Millions)
- Figure 8. Phase Shift Masks (PSM) Sales by Region (2018, 2022 & 2029) & (\$ Millions)
- Figure 9. Product Picture of Halftone Mask (Attenuated PSM)
- Figure 10. Product Picture of Levenson Mask (Alternating PSM)
- Figure 11. Product Picture of RimPSM
- Figure 12. Product Picture of Sub ResolutionPSM
- Figure 13. Product Picture of Self-alignmentPSM
- Figure 14. Product Picture of Chrome-lessPSM /All -transparent PSM
- Figure 15. Product Picture of Complex PSM
- Figure 16. Global Phase Shift Masks (PSM) Sales Market Share by Type in 2022
- Figure 17. Global Phase Shift Masks (PSM) Revenue Market Share by Type (2018-2023)
- Figure 18. Phase Shift Masks (PSM) Consumed in 193 nm
- Figure 19. Global Phase Shift Masks (PSM) Market: 193 nm (2018-2023) & (K Units)
- Figure 20. Phase Shift Masks (PSM) Consumed in 248 nm
- Figure 21. Global Phase Shift Masks (PSM) Market: 248 nm (2018-2023) & (K Units)
- Figure 22. Phase Shift Masks (PSM) Consumed in 365 nm
- Figure 23. Global Phase Shift Masks (PSM) Market: 365 nm (2018-2023) & (K Units)
- Figure 24. Global Phase Shift Masks (PSM) Sales Market Share by Application (2022)
- Figure 25. Global Phase Shift Masks (PSM) Revenue Market Share by Application in 2022
- Figure 26. Phase Shift Masks (PSM) Sales Market by Company in 2022 (K Units)
- Figure 27. Global Phase Shift Masks (PSM) Sales Market Share by Company in 2022
- Figure 28. Phase Shift Masks (PSM) Revenue Market by Company in 2022 (\$ Million)
- Figure 29. Global Phase Shift Masks (PSM) Revenue Market Share by Company in 2022
- Figure 30. Global Phase Shift Masks (PSM) Sales Market Share by Geographic Region (2018-2023)

Figure 31. Global Phase Shift Masks (PSM) Revenue Market Share by Geographic Region in 2022

Figure 32. Americas Phase Shift Masks (PSM) Sales 2018-2023 (K Units)

Figure 33. Americas Phase Shift Masks (PSM) Revenue 2018-2023 (\$ Millions)

Figure 34. APAC Phase Shift Masks (PSM) Sales 2018-2023 (K Units)

Figure 35. APAC Phase Shift Masks (PSM) Revenue 2018-2023 (\$ Millions)

Figure 36. Europe Phase Shift Masks (PSM) Sales 2018-2023 (K Units)

Figure 37. Europe Phase Shift Masks (PSM) Revenue 2018-2023 (\$ Millions)

Figure 38. Middle East & Africa Phase Shift Masks (PSM) Sales 2018-2023 (K Units)

Figure 39. Middle East & Africa Phase Shift Masks (PSM) Revenue 2018-2023 (\$ Millions)

Figure 40. Americas Phase Shift Masks (PSM) Sales Market Share by Country in 2022

Figure 41. Americas Phase Shift Masks (PSM) Revenue Market Share by Country in 2022

Figure 42. Americas Phase Shift Masks (PSM) Sales Market Share by Type (2018-2023)

Figure 43. Americas Phase Shift Masks (PSM) Sales Market Share by Application (2018-2023)

Figure 44. United States Phase Shift Masks (PSM) Revenue Growth 2018-2023 (\$ Millions)

Figure 45. Canada Phase Shift Masks (PSM) Revenue Growth 2018-2023 (\$ Millions)

Figure 46. Mexico Phase Shift Masks (PSM) Revenue Growth 2018-2023 (\$ Millions)

Figure 47. Brazil Phase Shift Masks (PSM) Revenue Growth 2018-2023 (\$ Millions)

Figure 48. APAC Phase Shift Masks (PSM) Sales Market Share by Region in 2022

Figure 49. APAC Phase Shift Masks (PSM) Revenue Market Share by Regions in 2022

Figure 50. APAC Phase Shift Masks (PSM) Sales Market Share by Type (2018-2023)

Figure 51. APAC Phase Shift Masks (PSM) Sales Market Share by Application (2018-2023)

Figure 52. China Phase Shift Masks (PSM) Revenue Growth 2018-2023 (\$ Millions)

Figure 53. Japan Phase Shift Masks (PSM) Revenue Growth 2018-2023 (\$ Millions)

Figure 54. South Korea Phase Shift Masks (PSM) Revenue Growth 2018-2023 (\$ Millions)

Figure 55. Southeast Asia Phase Shift Masks (PSM) Revenue Growth 2018-2023 (\$ Millions)

Figure 56. India Phase Shift Masks (PSM) Revenue Growth 2018-2023 (\$ Millions)

Figure 57. Australia Phase Shift Masks (PSM) Revenue Growth 2018-2023 (\$ Millions)

Figure 58. China Taiwan Phase Shift Masks (PSM) Revenue Growth 2018-2023 (\$ Millions)

Figure 59. Europe Phase Shift Masks (PSM) Sales Market Share by Country in 2022

Figure 60. Europe Phase Shift Masks (PSM) Revenue Market Share by Country in 2022

Figure 61. Europe Phase Shift Masks (PSM) Sales Market Share by Type (2018-2023)

Figure 62. Europe Phase Shift Masks (PSM) Sales Market Share by Application (2018-2023)

Figure 63. Germany Phase Shift Masks (PSM) Revenue Growth 2018-2023 (\$ Millions)

Figure 64. France Phase Shift Masks (PSM) Revenue Growth 2018-2023 (\$ Millions)

Figure 65. UK Phase Shift Masks (PSM) Revenue Growth 2018-2023 (\$ Millions)

Figure 66. Italy Phase Shift Masks (PSM) Revenue Growth 2018-2023 (\$ Millions)

Figure 67. Russia Phase Shift Masks (PSM) Revenue Growth 2018-2023 (\$ Millions)

Figure 68. Middle East & Africa Phase Shift Masks (PSM) Sales Market Share by Country in 2022

Figure 69. Middle East & Africa Phase Shift Masks (PSM) Revenue Market Share by Country in 2022

Figure 70. Middle East & Africa Phase Shift Masks (PSM) Sales Market Share by Type (2018-2023)

Figure 71. Middle East & Africa Phase Shift Masks (PSM) Sales Market Share by Application (2018-2023)

Figure 72. Egypt Phase Shift Masks (PSM) Revenue Growth 2018-2023 (\$ Millions)

Figure 73. South Africa Phase Shift Masks (PSM) Revenue Growth 2018-2023 (\$ Millions)

Figure 74. Israel Phase Shift Masks (PSM) Revenue Growth 2018-2023 (\$ Millions)

Figure 75. Turkey Phase Shift Masks (PSM) Revenue Growth 2018-2023 (\$ Millions)

Figure 76. GCC Country Phase Shift Masks (PSM) Revenue Growth 2018-2023 (\$ Millions)

Figure 77. Manufacturing Cost Structure Analysis of Phase Shift Masks (PSM) in 2022

Figure 78. Manufacturing Process Analysis of Phase Shift Masks (PSM)

Figure 79. Industry Chain Structure of Phase Shift Masks (PSM)

Figure 80. Channels of Distribution

Figure 81. Global Phase Shift Masks (PSM) Sales Market Forecast by Region (2024-2029)

Figure 82. Global Phase Shift Masks (PSM) Revenue Market Share Forecast by Region (2024-2029)

Figure 83. Global Phase Shift Masks (PSM) Sales Market Share Forecast by Type (2024-2029)

Figure 84. Global Phase Shift Masks (PSM) Revenue Market Share Forecast by Type (2024-2029)

Figure 85. Global Phase Shift Masks (PSM) Sales Market Share Forecast by Application (2024-2029)

Figure 86. Global Phase Shift Masks (PSM) Revenue Market Share Forecast by

Application (2024-2029)

I would like to order

Product name: Global Phase Shift Masks (PSM) Market Growth 2023-2029

Product link: <https://marketpublishers.com/r/G36D61CB8F76EN.html>

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

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G36D61CB8F76EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970