

Spin-on-carbon Hard Mask Market, Global Outlook and Forecast 2022-2028

<https://marketpublishers.com/r/SA3EEC9ED8E2EN.html>

Date: March 2022

Pages: 76

Price: US\$ 3,250.00 (Single User License)

ID: SA3EEC9ED8E2EN

Abstracts

Spin-on-carbon (SOC) hardmasks can be used in multilayer lithography processes with high etch resistance, low cost of ownership, low defects, high alignment accuracy, good gap filling and topography planarization. SOC is a high carbon-containing polymer solution. As a coating material, the polymer needs to be dissolved in an organic solvent and insoluble in the upper layer of the coating after curing. The high carbon content (>80%) of the SOC is important for good etch resistance.

This report contains market size and forecasts of Spin-on-carbon Hard Mask in global, including the following market information:

Global Spin-on-carbon Hard Mask Market Revenue, 2017-2022, 2023-2028, (\$ millions)

Global Spin-on-carbon Hard Mask Market Sales, 2017-2022, 2023-2028, (Cubic Meters)

Global top five Spin-on-carbon Hard Mask companies in 2021 (%)

The global Spin-on-carbon Hard Mask market was valued at million in 2021 and is projected to reach US\$ million by 2028, at a CAGR of % during the forecast period 2022-2028.

The U.S. Market is Estimated at \$ Million in 2021, While China is Forecast to Reach \$ Million by 2028.

High Temperature Spin-on-carbon Hard Mask Segment to Reach \$ Million by 2028, with a % CAGR in next six years.

The global key manufacturers of Spin-on-carbon Hard Mask include Merck Group, Samsung SDI, JSR, YCCHEM, Brewer Science, Nano-C and Shin-Etsu MicroSi, etc. In 2021, the global top five players have a share approximately % in terms of revenue.

MARKET MONITOR GLOBAL, INC (MMG) has surveyed the Spin-on-carbon Hard Mask manufacturers, suppliers, distributors and industry experts on this industry, involving the sales, revenue, demand, price change, product type, recent development and plan, industry trends, drivers, challenges, obstacles, and potential risks.

Total Market by Segment:

Global Spin-on-carbon Hard Mask Market, by Type, 2017-2022, 2023-2028 (\$ Millions) & (Cubic Meters)

Global Spin-on-carbon Hard Mask Market Segment Percentages, by Type, 2021 (%)

High Temperature Spin-on-carbon Hard Mask

Conventional Spin-on-carbon Hard Mask

Global Spin-on-carbon Hard Mask Market, by Application, 2017-2022, 2023-2028 (\$ Millions) & (Cubic Meters)

Global Spin-on-carbon Hard Mask Market Segment Percentages, by Application, 2021 (%)

Semiconductors

DRAM

NAND

LCD

Global Spin-on-carbon Hard Mask Market, By Region and Country, 2017-2022, 2023-2028 (\$ Millions) & (Cubic Meters)

Global Spin-on-carbon Hard Mask Market Segment Percentages, By Region and Country, 2021 (%)

North America

US

Canada

Mexico

Europe

Germany

France

U.K.

Italy

Russia

Nordic Countries

Benelux

Rest of Europe

Asia

China

Japan

South Korea

Southeast Asia

India

Rest of Asia

South America

Brazil

Argentina

Rest of South America

Middle East & Africa

Turkey

Israel

Saudi Arabia

UAE

Rest of Middle East & Africa

Competitor Analysis

The report also provides analysis of leading market participants including:

Key companies Spin-on-carbon Hard Mask revenues in global market, 2017-2022 (Estimated), (\$ millions)

Key companies Spin-on-carbon Hard Mask revenues share in global market, 2021 (%)

Key companies Spin-on-carbon Hard Mask sales in global market, 2017-2022 (Estimated), (Cubic Meters)

Key companies Spin-on-carbon Hard Mask sales share in global market, 2021 (%)

Further, the report presents profiles of competitors in the market, key players include:

Merck Group

Samsung SDI

JSR

YCCHEM

Brewer Science

Nano-C

Shin-Etsu MicroSi

Contents

1 INTRODUCTION TO RESEARCH & ANALYSIS REPORTS

- 1.1 Spin-on-carbon Hard Mask Market Definition
- 1.2 Market Segments
 - 1.2.1 Market by Type
 - 1.2.2 Market by Application
- 1.3 Global Spin-on-carbon Hard Mask Market Overview
- 1.4 Features & Benefits of This Report
- 1.5 Methodology & Sources of Information
 - 1.5.1 Research Methodology
 - 1.5.2 Research Process
 - 1.5.3 Base Year
 - 1.5.4 Report Assumptions & Caveats

2 GLOBAL SPIN-ON-CARBON HARD MASK OVERALL MARKET SIZE

- 2.1 Global Spin-on-carbon Hard Mask Market Size: 2021 VS 2028
- 2.2 Global Spin-on-carbon Hard Mask Revenue, Prospects & Forecasts: 2017-2028
- 2.3 Global Spin-on-carbon Hard Mask Sales: 2017-2028

3 COMPANY LANDSCAPE

- 3.1 Top Spin-on-carbon Hard Mask Players in Global Market
- 3.2 Top Global Spin-on-carbon Hard Mask Companies Ranked by Revenue
- 3.3 Global Spin-on-carbon Hard Mask Revenue by Companies
- 3.4 Global Spin-on-carbon Hard Mask Sales by Companies
- 3.5 Global Spin-on-carbon Hard Mask Price by Manufacturer (2017-2022)
- 3.6 Top 3 and Top 5 Spin-on-carbon Hard Mask Companies in Global Market, by Revenue in 2021
- 3.7 Global Manufacturers Spin-on-carbon Hard Mask Product Type
- 3.8 Tier 1, Tier 2 and Tier 3 Spin-on-carbon Hard Mask Players in Global Market
 - 3.8.1 List of Global Tier 1 Spin-on-carbon Hard Mask Companies
 - 3.8.2 List of Global Tier 2 and Tier 3 Spin-on-carbon Hard Mask Companies

4 SIGHTS BY PRODUCT

- 4.1 Overview

- 4.1.1 By Type - Global Spin-on-carbon Hard Mask Market Size Markets, 2021 & 2028
- 4.1.2 High Temperature Spin-on-carbon Hard Mask
- 4.1.3 Conventional Spin-on-carbon Hard Mask
- 4.2 By Type - Global Spin-on-carbon Hard Mask Revenue & Forecasts
 - 4.2.1 By Type - Global Spin-on-carbon Hard Mask Revenue, 2017-2022
 - 4.2.2 By Type - Global Spin-on-carbon Hard Mask Revenue, 2023-2028
 - 4.2.3 By Type - Global Spin-on-carbon Hard Mask Revenue Market Share, 2017-2028
- 4.3 By Type - Global Spin-on-carbon Hard Mask Sales & Forecasts
 - 4.3.1 By Type - Global Spin-on-carbon Hard Mask Sales, 2017-2022
 - 4.3.2 By Type - Global Spin-on-carbon Hard Mask Sales, 2023-2028
 - 4.3.3 By Type - Global Spin-on-carbon Hard Mask Sales Market Share, 2017-2028
- 4.4 By Type - Global Spin-on-carbon Hard Mask Price (Manufacturers Selling Prices), 2017-2028

5 SIGHTS BY APPLICATION

5.1 Overview

- 5.1.1 By Application - Global Spin-on-carbon Hard Mask Market Size, 2021 & 2028
- 5.1.2 Semiconductors
- 5.1.3 DRAM
- 5.1.4 NAND
- 5.1.5 LCD

5.2 By Application - Global Spin-on-carbon Hard Mask Revenue & Forecasts

- 5.2.1 By Application - Global Spin-on-carbon Hard Mask Revenue, 2017-2022
- 5.2.2 By Application - Global Spin-on-carbon Hard Mask Revenue, 2023-2028
- 5.2.3 By Application - Global Spin-on-carbon Hard Mask Revenue Market Share, 2017-2028

5.3 By Application - Global Spin-on-carbon Hard Mask Sales & Forecasts

- 5.3.1 By Application - Global Spin-on-carbon Hard Mask Sales, 2017-2022
- 5.3.2 By Application - Global Spin-on-carbon Hard Mask Sales, 2023-2028
- 5.3.3 By Application - Global Spin-on-carbon Hard Mask Sales Market Share, 2017-2028

5.4 By Application - Global Spin-on-carbon Hard Mask Price (Manufacturers Selling Prices), 2017-2028

6 SIGHTS BY REGION

- 6.1 By Region - Global Spin-on-carbon Hard Mask Market Size, 2021 & 2028
- 6.2 By Region - Global Spin-on-carbon Hard Mask Revenue & Forecasts

- 6.2.1 By Region - Global Spin-on-carbon Hard Mask Revenue, 2017-2022
- 6.2.2 By Region - Global Spin-on-carbon Hard Mask Revenue, 2023-2028
- 6.2.3 By Region - Global Spin-on-carbon Hard Mask Revenue Market Share, 2017-2028
- 6.3 By Region - Global Spin-on-carbon Hard Mask Sales & Forecasts
 - 6.3.1 By Region - Global Spin-on-carbon Hard Mask Sales, 2017-2022
 - 6.3.2 By Region - Global Spin-on-carbon Hard Mask Sales, 2023-2028
 - 6.3.3 By Region - Global Spin-on-carbon Hard Mask Sales Market Share, 2017-2028
- 6.4 North America
 - 6.4.1 By Country - North America Spin-on-carbon Hard Mask Revenue, 2017-2028
 - 6.4.2 By Country - North America Spin-on-carbon Hard Mask Sales, 2017-2028
 - 6.4.3 US Spin-on-carbon Hard Mask Market Size, 2017-2028
 - 6.4.4 Canada Spin-on-carbon Hard Mask Market Size, 2017-2028
 - 6.4.5 Mexico Spin-on-carbon Hard Mask Market Size, 2017-2028
- 6.5 Europe
 - 6.5.1 By Country - Europe Spin-on-carbon Hard Mask Revenue, 2017-2028
 - 6.5.2 By Country - Europe Spin-on-carbon Hard Mask Sales, 2017-2028
 - 6.5.3 Germany Spin-on-carbon Hard Mask Market Size, 2017-2028
 - 6.5.4 France Spin-on-carbon Hard Mask Market Size, 2017-2028
 - 6.5.5 U.K. Spin-on-carbon Hard Mask Market Size, 2017-2028
 - 6.5.6 Italy Spin-on-carbon Hard Mask Market Size, 2017-2028
 - 6.5.7 Russia Spin-on-carbon Hard Mask Market Size, 2017-2028
 - 6.5.8 Nordic Countries Spin-on-carbon Hard Mask Market Size, 2017-2028
 - 6.5.9 Benelux Spin-on-carbon Hard Mask Market Size, 2017-2028
- 6.6 Asia
 - 6.6.1 By Region - Asia Spin-on-carbon Hard Mask Revenue, 2017-2028
 - 6.6.2 By Region - Asia Spin-on-carbon Hard Mask Sales, 2017-2028
 - 6.6.3 China Spin-on-carbon Hard Mask Market Size, 2017-2028
 - 6.6.4 Japan Spin-on-carbon Hard Mask Market Size, 2017-2028
 - 6.6.5 South Korea Spin-on-carbon Hard Mask Market Size, 2017-2028
 - 6.6.6 Southeast Asia Spin-on-carbon Hard Mask Market Size, 2017-2028
 - 6.6.7 India Spin-on-carbon Hard Mask Market Size, 2017-2028
- 6.7 South America
 - 6.7.1 By Country - South America Spin-on-carbon Hard Mask Revenue, 2017-2028
 - 6.7.2 By Country - South America Spin-on-carbon Hard Mask Sales, 2017-2028
 - 6.7.3 Brazil Spin-on-carbon Hard Mask Market Size, 2017-2028
 - 6.7.4 Argentina Spin-on-carbon Hard Mask Market Size, 2017-2028
- 6.8 Middle East & Africa
 - 6.8.1 By Country - Middle East & Africa Spin-on-carbon Hard Mask Revenue,

2017-2028

- 6.8.2 By Country - Middle East & Africa Spin-on-carbon Hard Mask Sales, 2017-2028
- 6.8.3 Turkey Spin-on-carbon Hard Mask Market Size, 2017-2028
- 6.8.4 Israel Spin-on-carbon Hard Mask Market Size, 2017-2028
- 6.8.5 Saudi Arabia Spin-on-carbon Hard Mask Market Size, 2017-2028
- 6.8.6 UAE Spin-on-carbon Hard Mask Market Size, 2017-2028

7 MANUFACTURERS & BRANDS PROFILES

7.1 Merck Group

- 7.1.1 Merck Group Corporate Summary
- 7.1.2 Merck Group Business Overview
- 7.1.3 Merck Group Spin-on-carbon Hard Mask Major Product Offerings
- 7.1.4 Merck Group Spin-on-carbon Hard Mask Sales and Revenue in Global (2017-2022)
- 7.1.5 Merck Group Key News

7.2 Samsung SDI

- 7.2.1 Samsung SDI Corporate Summary
- 7.2.2 Samsung SDI Business Overview
- 7.2.3 Samsung SDI Spin-on-carbon Hard Mask Major Product Offerings
- 7.2.4 Samsung SDI Spin-on-carbon Hard Mask Sales and Revenue in Global (2017-2022)
- 7.2.5 Samsung SDI Key News

7.3 JSR

- 7.3.1 JSR Corporate Summary
- 7.3.2 JSR Business Overview
- 7.3.3 JSR Spin-on-carbon Hard Mask Major Product Offerings
- 7.3.4 JSR Spin-on-carbon Hard Mask Sales and Revenue in Global (2017-2022)
- 7.3.5 JSR Key News

7.4 YCCHEM

- 7.4.1 YCCHEM Corporate Summary
- 7.4.2 YCCHEM Business Overview
- 7.4.3 YCCHEM Spin-on-carbon Hard Mask Major Product Offerings
- 7.4.4 YCCHEM Spin-on-carbon Hard Mask Sales and Revenue in Global (2017-2022)
- 7.4.5 YCCHEM Key News

7.5 Brewer Science

- 7.5.1 Brewer Science Corporate Summary
- 7.5.2 Brewer Science Business Overview
- 7.5.3 Brewer Science Spin-on-carbon Hard Mask Major Product Offerings

7.5.4 Brewer Science Spin-on-carbon Hard Mask Sales and Revenue in Global (2017-2022)

7.5.5 Brewer Science Key News

7.6 Nano-C

7.6.1 Nano-C Corporate Summary

7.6.2 Nano-C Business Overview

7.6.3 Nano-C Spin-on-carbon Hard Mask Major Product Offerings

7.6.4 Nano-C Spin-on-carbon Hard Mask Sales and Revenue in Global (2017-2022)

7.6.5 Nano-C Key News

7.7 Shin-Etsu MicroSi

7.7.1 Shin-Etsu MicroSi Corporate Summary

7.7.2 Shin-Etsu MicroSi Business Overview

7.7.3 Shin-Etsu MicroSi Spin-on-carbon Hard Mask Major Product Offerings

7.7.4 Shin-Etsu MicroSi Spin-on-carbon Hard Mask Sales and Revenue in Global (2017-2022)

7.7.5 Shin-Etsu MicroSi Key News

8 GLOBAL SPIN-ON-CARBON HARD MASK PRODUCTION CAPACITY, ANALYSIS

8.1 Global Spin-on-carbon Hard Mask Production Capacity, 2017-2028

8.2 Spin-on-carbon Hard Mask Production Capacity of Key Manufacturers in Global Market

8.3 Global Spin-on-carbon Hard Mask Production by Region

9 KEY MARKET TRENDS, OPPORTUNITY, DRIVERS AND RESTRAINTS

9.1 Market Opportunities & Trends

9.2 Market Drivers

9.3 Market Restraints

10 SPIN-ON-CARBON HARD MASK SUPPLY CHAIN ANALYSIS

10.1 Spin-on-carbon Hard Mask Industry Value Chain

10.2 Spin-on-carbon Hard Mask Upstream Market

10.3 Spin-on-carbon Hard Mask Downstream and Clients

10.4 Marketing Channels Analysis

10.4.1 Marketing Channels

10.4.2 Spin-on-carbon Hard Mask Distributors and Sales Agents in Global

11 CONCLUSION

12 APPENDIX

12.1 Note

12.2 Examples of Clients

12.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. Key Players of Spin-on-carbon Hard Mask in Global Market

Table 2. Top Spin-on-carbon Hard Mask Players in Global Market, Ranking by Revenue (2021)

Table 3. Global Spin-on-carbon Hard Mask Revenue by Companies, (US\$, Mn), 2017-2022

Table 4. Global Spin-on-carbon Hard Mask Revenue Share by Companies, 2017-2022

Table 5. Global Spin-on-carbon Hard Mask Sales by Companies, (Cubic Meters), 2017-2022

Table 6. Global Spin-on-carbon Hard Mask Sales Share by Companies, 2017-2022

Table 7. Key Manufacturers Spin-on-carbon Hard Mask Price (2017-2022) & (US\$/Cubic Meter)

Table 8. Global Manufacturers Spin-on-carbon Hard Mask Product Type

Table 9. List of Global Tier 1 Spin-on-carbon Hard Mask Companies, Revenue (US\$, Mn) in 2021 and Market Share

Table 10. List of Global Tier 2 and Tier 3 Spin-on-carbon Hard Mask Companies, Revenue (US\$, Mn) in 2021 and Market Share

Table 11. By Type – Global Spin-on-carbon Hard Mask Revenue, (US\$, Mn), 2021 & 2028

Table 12. By Type - Global Spin-on-carbon Hard Mask Revenue (US\$, Mn), 2017-2022

Table 13. By Type - Global Spin-on-carbon Hard Mask Revenue (US\$, Mn), 2023-2028

Table 14. By Type - Global Spin-on-carbon Hard Mask Sales (Cubic Meters), 2017-2022

Table 15. By Type - Global Spin-on-carbon Hard Mask Sales (Cubic Meters), 2023-2028

Table 16. By Application – Global Spin-on-carbon Hard Mask Revenue, (US\$, Mn), 2021 & 2028

Table 17. By Application - Global Spin-on-carbon Hard Mask Revenue (US\$, Mn), 2017-2022

Table 18. By Application - Global Spin-on-carbon Hard Mask Revenue (US\$, Mn), 2023-2028

Table 19. By Application - Global Spin-on-carbon Hard Mask Sales (Cubic Meters), 2017-2022

Table 20. By Application - Global Spin-on-carbon Hard Mask Sales (Cubic Meters), 2023-2028

Table 21. By Region – Global Spin-on-carbon Hard Mask Revenue, (US\$, Mn), 2021

VS 2028

Table 22. By Region - Global Spin-on-carbon Hard Mask Revenue (US\$, Mn), 2017-2022

Table 23. By Region - Global Spin-on-carbon Hard Mask Revenue (US\$, Mn), 2023-2028

Table 24. By Region - Global Spin-on-carbon Hard Mask Sales (Cubic Meters), 2017-2022

Table 25. By Region - Global Spin-on-carbon Hard Mask Sales (Cubic Meters), 2023-2028

Table 26. By Country - North America Spin-on-carbon Hard Mask Revenue, (US\$, Mn), 2017-2022

Table 27. By Country - North America Spin-on-carbon Hard Mask Revenue, (US\$, Mn), 2023-2028

Table 28. By Country - North America Spin-on-carbon Hard Mask Sales, (Cubic Meters), 2017-2022

Table 29. By Country - North America Spin-on-carbon Hard Mask Sales, (Cubic Meters), 2023-2028

Table 30. By Country - Europe Spin-on-carbon Hard Mask Revenue, (US\$, Mn), 2017-2022

Table 31. By Country - Europe Spin-on-carbon Hard Mask Revenue, (US\$, Mn), 2023-2028

Table 32. By Country - Europe Spin-on-carbon Hard Mask Sales, (Cubic Meters), 2017-2022

Table 33. By Country - Europe Spin-on-carbon Hard Mask Sales, (Cubic Meters), 2023-2028

Table 34. By Region - Asia Spin-on-carbon Hard Mask Revenue, (US\$, Mn), 2017-2022

Table 35. By Region - Asia Spin-on-carbon Hard Mask Revenue, (US\$, Mn), 2023-2028

Table 36. By Region - Asia Spin-on-carbon Hard Mask Sales, (Cubic Meters), 2017-2022

Table 37. By Region - Asia Spin-on-carbon Hard Mask Sales, (Cubic Meters), 2023-2028

Table 38. By Country - South America Spin-on-carbon Hard Mask Revenue, (US\$, Mn), 2017-2022

Table 39. By Country - South America Spin-on-carbon Hard Mask Revenue, (US\$, Mn), 2023-2028

Table 40. By Country - South America Spin-on-carbon Hard Mask Sales, (Cubic Meters), 2017-2022

Table 41. By Country - South America Spin-on-carbon Hard Mask Sales, (Cubic Meters), 2023-2028

Table 42. By Country - Middle East & Africa Spin-on-carbon Hard Mask Revenue, (US\$, Mn), 2017-2022

Table 43. By Country - Middle East & Africa Spin-on-carbon Hard Mask Revenue, (US\$, Mn), 2023-2028

Table 44. By Country - Middle East & Africa Spin-on-carbon Hard Mask Sales, (Cubic Meters), 2017-2022

Table 45. By Country - Middle East & Africa Spin-on-carbon Hard Mask Sales, (Cubic Meters), 2023-2028

Table 46. Merck Group Corporate Summary

Table 47. Merck Group Spin-on-carbon Hard Mask Product Offerings

Table 48. Merck Group Spin-on-carbon Hard Mask Sales (Cubic Meters), Revenue (US\$, Mn) and Average Price (US\$/Cubic Meter) (2017-2022)

Table 49. Samsung SDI Corporate Summary

Table 50. Samsung SDI Spin-on-carbon Hard Mask Product Offerings

Table 51. Samsung SDI Spin-on-carbon Hard Mask Sales (Cubic Meters), Revenue (US\$, Mn) and Average Price (US\$/Cubic Meter) (2017-2022)

Table 52. JSR Corporate Summary

Table 53. JSR Spin-on-carbon Hard Mask Product Offerings

Table 54. JSR Spin-on-carbon Hard Mask Sales (Cubic Meters), Revenue (US\$, Mn) and Average Price (US\$/Cubic Meter) (2017-2022)

Table 55. YCCHEM Corporate Summary

Table 56. YCCHEM Spin-on-carbon Hard Mask Product Offerings

Table 57. YCCHEM Spin-on-carbon Hard Mask Sales (Cubic Meters), Revenue (US\$, Mn) and Average Price (US\$/Cubic Meter) (2017-2022)

Table 58. Brewer Science Corporate Summary

Table 59. Brewer Science Spin-on-carbon Hard Mask Product Offerings

Table 60. Brewer Science Spin-on-carbon Hard Mask Sales (Cubic Meters), Revenue (US\$, Mn) and Average Price (US\$/Cubic Meter) (2017-2022)

Table 61. Nano-C Corporate Summary

Table 62. Nano-C Spin-on-carbon Hard Mask Product Offerings

Table 63. Nano-C Spin-on-carbon Hard Mask Sales (Cubic Meters), Revenue (US\$, Mn) and Average Price (US\$/Cubic Meter) (2017-2022)

Table 64. Shin-Etsu MicroSi Corporate Summary

Table 65. Shin-Etsu MicroSi Spin-on-carbon Hard Mask Product Offerings

Table 66. Shin-Etsu MicroSi Spin-on-carbon Hard Mask Sales (Cubic Meters), Revenue (US\$, Mn) and Average Price (US\$/Cubic Meter) (2017-2022)

Table 67. Spin-on-carbon Hard Mask Production Capacity (Cubic Meters) of Key Manufacturers in Global Market, 2020-2022 (Cubic Meters)

Table 68. Global Spin-on-carbon Hard Mask Capacity Market Share of Key

Manufacturers, 2020-2022

Table 69. Global Spin-on-carbon Hard Mask Production by Region, 2017-2022 (Cubic Meters)

Table 70. Global Spin-on-carbon Hard Mask Production by Region, 2023-2028 (Cubic Meters)

Table 71. Spin-on-carbon Hard Mask Market Opportunities & Trends in Global Market

Table 72. Spin-on-carbon Hard Mask Market Drivers in Global Market

Table 73. Spin-on-carbon Hard Mask Market Restraints in Global Market

Table 74. Spin-on-carbon Hard Mask Raw Materials

Table 75. Spin-on-carbon Hard Mask Raw Materials Suppliers in Global Market

Table 76. Typical Spin-on-carbon Hard Mask Downstream

Table 77. Spin-on-carbon Hard Mask Downstream Clients in Global Market

Table 78. Spin-on-carbon Hard Mask Distributors and Sales Agents in Global Market

List Of Figures

LIST OF FIGURES

- Figure 1. Spin-on-carbon Hard Mask Segment by Type
- Figure 2. Spin-on-carbon Hard Mask Segment by Application
- Figure 3. Global Spin-on-carbon Hard Mask Market Overview: 2021
- Figure 4. Key Caveats
- Figure 5. Global Spin-on-carbon Hard Mask Market Size: 2021 VS 2028 (US\$, Mn)
- Figure 6. Global Spin-on-carbon Hard Mask Revenue, 2017-2028 (US\$, Mn)
- Figure 7. Spin-on-carbon Hard Mask Sales in Global Market: 2017-2028 (Cubic Meters)
- Figure 8. The Top 3 and 5 Players Market Share by Spin-on-carbon Hard Mask Revenue in 2021
- Figure 9. By Type - Global Spin-on-carbon Hard Mask Sales Market Share, 2017-2028
- Figure 10. By Type - Global Spin-on-carbon Hard Mask Revenue Market Share, 2017-2028
- Figure 11. By Type - Global Spin-on-carbon Hard Mask Price (US\$/Cubic Meter), 2017-2028
- Figure 12. By Application - Global Spin-on-carbon Hard Mask Sales Market Share, 2017-2028
- Figure 13. By Application - Global Spin-on-carbon Hard Mask Revenue Market Share, 2017-2028
- Figure 14. By Application - Global Spin-on-carbon Hard Mask Price (US\$/Cubic Meter), 2017-2028
- Figure 15. By Region - Global Spin-on-carbon Hard Mask Sales Market Share, 2017-2028
- Figure 16. By Region - Global Spin-on-carbon Hard Mask Revenue Market Share, 2017-2028
- Figure 17. By Country - North America Spin-on-carbon Hard Mask Revenue Market Share, 2017-2028
- Figure 18. By Country - North America Spin-on-carbon Hard Mask Sales Market Share, 2017-2028
- Figure 19. US Spin-on-carbon Hard Mask Revenue, (US\$, Mn), 2017-2028
- Figure 20. Canada Spin-on-carbon Hard Mask Revenue, (US\$, Mn), 2017-2028
- Figure 21. Mexico Spin-on-carbon Hard Mask Revenue, (US\$, Mn), 2017-2028
- Figure 22. By Country - Europe Spin-on-carbon Hard Mask Revenue Market Share, 2017-2028
- Figure 23. By Country - Europe Spin-on-carbon Hard Mask Sales Market Share, 2017-2028

Figure 24. Germany Spin-on-carbon Hard Mask Revenue, (US\$, Mn), 2017-2028

Figure 25. France Spin-on-carbon Hard Mask Revenue, (US\$, Mn), 2017-2028

Figure 26. U.K. Spin-on-carbon Hard Mask Revenue, (US\$, Mn), 2017-2028

Figure 27. Italy Spin-on-carbon Hard Mask Revenue, (US\$, Mn), 2017-2028

Figure 28. Russia Spin-on-carbon Hard Mask Revenue, (US\$, Mn), 2017-2028

Figure 29. Nordic Countries Spin-on-carbon Hard Mask Revenue, (US\$, Mn), 2017-2028

Figure 30. Benelux Spin-on-carbon Hard Mask Revenue, (US\$, Mn), 2017-2028

Figure 31. By Region - Asia Spin-on-carbon Hard Mask Revenue Market Share, 2017-2028

Figure 32. By Region - Asia Spin-on-carbon Hard Mask Sales Market Share, 2017-2028

Figure 33. China Spin-on-carbon Hard Mask Revenue, (US\$, Mn), 2017-2028

Figure 34. Japan Spin-on-carbon Hard Mask Revenue, (US\$, Mn), 2017-2028

Figure 35. South Korea Spin-on-carbon Hard Mask Revenue, (US\$, Mn), 2017-2028

Figure 36. Southeast Asia Spin-on-carbon Hard Mask Revenue, (US\$, Mn), 2017-2028

Figure 37. India Spin-on-carbon Hard Mask Revenue, (US\$, Mn), 2017-2028

Figure 38. By Country - South America Spin-on-carbon Hard Mask Revenue Market Share, 2017-2028

Figure 39. By Country - South America Spin-on-carbon Hard Mask Sales Market Share, 2017-2028

Figure 40. Brazil Spin-on-carbon Hard Mask Revenue, (US\$, Mn), 2017-2028

Figure 41. Argentina Spin-on-carbon Hard Mask Revenue, (US\$, Mn), 2017-2028

Figure 42. By Country - Middle East & Africa Spin-on-carbon Hard Mask Revenue Market Share, 2017-2028

Figure 43. By Country - Middle East & Africa Spin-on-carbon Hard Mask Sales Market Share, 2017-2028

Figure 44. Turkey Spin-on-carbon Hard Mask Revenue, (US\$, Mn), 2017-2028

Figure 45. Israel Spin-on-carbon Hard Mask Revenue, (US\$, Mn), 2017-2028

Figure 46. Saudi Arabia Spin-on-carbon Hard Mask Revenue, (US\$, Mn), 2017-2028

Figure 47. UAE Spin-on-carbon Hard Mask Revenue, (US\$, Mn), 2017-2028

Figure 48. Global Spin-on-carbon Hard Mask Production Capacity (Cubic Meters), 2017-2028

Figure 49. The Percentage of Production Spin-on-carbon Hard Mask by Region, 2021 VS 2028

Figure 50. Spin-on-carbon Hard Mask Industry Value Chain

Figure 51. Marketing Channels

I would like to order

Product name: Spin-on-carbon Hard Mask Market, Global Outlook and Forecast 2022-2028

Product link: <https://marketpublishers.com/r/SA3EEC9ED8E2EN.html>

Price: US\$ 3,250.00 (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/SA3EEC9ED8E2EN.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