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Global 4D Printing Materials Market Growth 2023-2029

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Abstracts

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4D Printing Is To Change The Shape Or Structure Of The Structure Printed By 3D Technology Under External Excitation, And Directly Embed The Deformation Design Of Materials And Structures Into The Materials. The Materials Used For 4D Printing Mainly Include Shape Memory Polymer, Shape Memory Alloy And Other Materials That Are Easy To Change.

LPI (LP Information)' newest research report, the “4D Printing Materials Industry Forecast” looks at past sales and reviews total world 4D Printing Materials sales in 2022, providing a comprehensive analysis by region and market sector of projected 4D Printing Materials sales for 2023 through 2029. With 4D Printing Materials sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US$ millions of the world 4D Printing Materials industry.

This Insight Report provides a comprehensive analysis of the global 4D Printing Materials 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 4D Printing Materials portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global 4D Printing Materials market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for 4D Printing Materials 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

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view of the current state and future trajectory in the global 4D Printing Materials.

The global 4D Printing Materials 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 4D Printing Materials 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 4D Printing Materials 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 4D Printing Materials is estimated to increase from US$ million in 2022 to US$ million by 2029, at a CAGR of % from 2023 through 2029.

Global key 4D Printing Materials players cover BASF SE, Cornerstone Research Group, SINOPEC, Covestro, EndoShape, Evonik, MedShape, Mitsubishi and Spintech, 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 4D Printing Materials market by product type, application, key manufacturers and key regions and countries.

Market Segmentation:

Segmentation by type

Shape Memory Polymer (SMP)

Liquid Crystal Elastomer (LCE)

Shape Memory Alloy (SMA)

Hydrogel

Segmentation by application

Working

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- Aerospace
- Chemical Industrial
- Architecture
- Education
- Medical Care

This report also splits the market by region:

- Americas
  - United States
  - Canada
  - Mexico
  - Brazil
- APAC
  - China
  - Japan
  - Korea
  - Southeast Asia
  - India
  - Australia
- Europe

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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.

BASF SE

Cornerstone Research Group

SINOPEC

Covestro

EndoShape

Evonik

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MedShape

Mitsubishi

Spintech

Syzygy Memory Plastics

Key Questions Addressed in this Report

What is the 10-year outlook for the global 4D Printing Materials market?

What factors are driving 4D Printing Materials market growth, globally and by region?

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

How do 4D Printing Materials market opportunities vary by end market size?

How does 4D Printing Materials break out type, application?

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

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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 4D Printing Materials Annual Sales 2018-2029
  2.1.2 World Current & Future Analysis for 4D Printing Materials by Geographic Region, 2018, 2022 & 2029
  2.1.3 World Current & Future Analysis for 4D Printing Materials by Country/Region, 2018, 2022 & 2029
2.2 4D Printing Materials Segment by Type
  2.2.1 Shape Memory Polymer (SMP)
  2.2.2 Liquid Crystal Elastomer (LCE)
  2.2.3 Shape Memory Alloy (SMA)
  2.2.4 Hydrogel
2.3 4D Printing Materials Sales by Type
  2.3.1 Global 4D Printing Materials Sales Market Share by Type (2018-2023)
  2.3.2 Global 4D Printing Materials Revenue and Market Share by Type (2018-2023)
  2.3.3 Global 4D Printing Materials Sale Price by Type (2018-2023)
2.4 4D Printing Materials Segment by Application
  2.4.1 Working
  2.4.2 Aerospace
  2.4.3 Chemical Industrial
  2.4.4 Architecture
  2.4.5 Education
  2.4.6 Medical Care
2.5 4D Printing Materials Sales by Application
  2.5.1 Global 4D Printing Materials Sale Market Share by Application (2018-2023)

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2.5.2 Global 4D Printing Materials Revenue and Market Share by Application (2018-2023)
2.5.3 Global 4D Printing Materials Sale Price by Application (2018-2023)

3 GLOBAL 4D PRINTING MATERIALS BY COMPANY

3.1 Global 4D Printing Materials Breakdown Data by Company
3.1.1 Global 4D Printing Materials Annual Sales by Company (2018-2023)
3.1.2 Global 4D Printing Materials Sales Market Share by Company (2018-2023)
3.2 Global 4D Printing Materials Annual Revenue by Company (2018-2023)
3.2.1 Global 4D Printing Materials Revenue by Company (2018-2023)
3.2.2 Global 4D Printing Materials Revenue Market Share by Company (2018-2023)
3.3 Global 4D Printing Materials Sale Price by Company
3.4 Key Manufacturers 4D Printing Materials Producing Area Distribution, Sales Area, Product Type
3.4.1 Key Manufacturers 4D Printing Materials Product Location Distribution
3.4.2 Players 4D Printing Materials 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 4D PRINTING MATERIALS BY GEOGRAPHIC REGION

4.1 World Historic 4D Printing Materials Market Size by Geographic Region (2018-2023)
4.1.1 Global 4D Printing Materials Annual Sales by Geographic Region (2018-2023)
4.1.2 Global 4D Printing Materials Annual Revenue by Geographic Region (2018-2023)
4.2 World Historic 4D Printing Materials Market Size by Country/Region (2018-2023)
4.2.1 Global 4D Printing Materials Annual Sales by Country/Region (2018-2023)
4.2.2 Global 4D Printing Materials Annual Revenue by Country/Region (2018-2023)
4.3 Americas 4D Printing Materials Sales Growth
4.4 APAC 4D Printing Materials Sales Growth
4.5 Europe 4D Printing Materials Sales Growth
4.6 Middle East & Africa 4D Printing Materials Sales Growth

5 AMERICAS

+44 20 8123 2220
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5.1 Americas 4D Printing Materials Sales by Country
5.1.1 Americas 4D Printing Materials Sales by Country (2018-2023)
5.1.2 Americas 4D Printing Materials Revenue by Country (2018-2023)
5.2 Americas 4D Printing Materials Sales by Type
5.3 Americas 4D Printing Materials Sales by Application
5.4 United States
5.5 Canada
5.6 Mexico
5.7 Brazil

6 APAC

6.1 APAC 4D Printing Materials Sales by Region
6.1.1 APAC 4D Printing Materials Sales by Region (2018-2023)
6.1.2 APAC 4D Printing Materials Revenue by Region (2018-2023)
6.2 APAC 4D Printing Materials Sales by Type
6.3 APAC 4D Printing Materials 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 4D Printing Materials by Country
7.1.1 Europe 4D Printing Materials Sales by Country (2018-2023)
7.1.2 Europe 4D Printing Materials Revenue by Country (2018-2023)
7.2 Europe 4D Printing Materials Sales by Type
7.3 Europe 4D Printing Materials Sales by Application
7.4 Germany
7.5 France
7.6 UK
7.7 Italy
7.8 Russia

+44 20 8123 2220
info@marketpublishers.com

8 MIDDLE EAST & AFRICA

8.1 Middle East & Africa 4D Printing Materials by Country
  8.1.1 Middle East & Africa 4D Printing Materials Sales by Country (2018-2023)
  8.1.2 Middle East & Africa 4D Printing Materials Revenue by Country (2018-2023)
8.2 Middle East & Africa 4D Printing Materials Sales by Type
8.3 Middle East & Africa 4D Printing Materials 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 4D Printing Materials
10.3 Manufacturing Process Analysis of 4D Printing Materials
10.4 Industry Chain Structure of 4D Printing Materials

11 MARKETING, DISTRIBUTORS AND CUSTOMER

11.1 Sales Channel
  11.1.1 Direct Channels
  11.1.2 Indirect Channels
11.2 4D Printing Materials Distributors
11.3 4D Printing Materials Customer

12 WORLD FORECAST REVIEW FOR 4D PRINTING MATERIALS BY GEOGRAPHIC REGION

12.1 Global 4D Printing Materials Market Size Forecast by Region
  12.1.1 Global 4D Printing Materials Forecast by Region (2024-2029)

+44 20 8123 2220
info@marketpublishers.com

12.1.2 Global 4D Printing Materials 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 4D Printing Materials Forecast by Type
12.7 Global 4D Printing Materials Forecast by Application

13 KEY PLAYERS ANALYSIS

13.1 BASF SE
13.1.1 BASF SE Company Information
13.1.2 BASF SE 4D Printing Materials Product Portfolios and Specifications
13.1.3 BASF SE 4D Printing Materials Sales, Revenue, Price and Gross Margin (2018-2023)
13.1.4 BASF SE Main Business Overview
13.1.5 BASF SE Latest Developments
13.2 Cornerstone Research Group
13.2.1 Cornerstone Research Group Company Information
13.2.2 Cornerstone Research Group 4D Printing Materials Product Portfolios and Specifications
13.2.3 Cornerstone Research Group 4D Printing Materials Sales, Revenue, Price and Gross Margin (2018-2023)
13.2.4 Cornerstone Research Group Main Business Overview
13.2.5 Cornerstone Research Group Latest Developments
13.3 SINOPEC
13.3.1 SINOPEC Company Information
13.3.2 SINOPEC 4D Printing Materials Product Portfolios and Specifications
13.3.3 SINOPEC 4D Printing Materials Sales, Revenue, Price and Gross Margin (2018-2023)
13.3.4 SINOPEC Main Business Overview
13.3.5 SINOPEC Latest Developments
13.4 Covestro
13.4.1 Covestro Company Information
13.4.2 Covestro 4D Printing Materials Product Portfolios and Specifications
13.4.3 Covestro 4D Printing Materials Sales, Revenue, Price and Gross Margin (2018-2023)
13.4.4 Covestro Main Business Overview
13.4.5 Covestro Latest Developments

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13.5 EndoShape
13.5.1 EndoShape Company Information
13.5.2 EndoShape 4D Printing Materials Product Portfolios and Specifications
13.5.3 EndoShape 4D Printing Materials Sales, Revenue, Price and Gross Margin (2018-2023)
13.5.4 EndoShape Main Business Overview
13.5.5 EndoShape Latest Developments
13.6 Evonik
13.6.1 Evonik Company Information
13.6.2 Evonik 4D Printing Materials Product Portfolios and Specifications
13.6.3 Evonik 4D Printing Materials Sales, Revenue, Price and Gross Margin (2018-2023)
13.6.4 Evonik Main Business Overview
13.6.5 Evonik Latest Developments
13.7 MedShape
13.7.1 MedShape Company Information
13.7.2 MedShape 4D Printing Materials Product Portfolios and Specifications
13.7.3 MedShape 4D Printing Materials Sales, Revenue, Price and Gross Margin (2018-2023)
13.7.4 MedShape Main Business Overview
13.7.5 MedShape Latest Developments
13.8 Mitsubishi
13.8.1 Mitsubishi Company Information
13.8.2 Mitsubishi 4D Printing Materials Product Portfolios and Specifications
13.8.3 Mitsubishi 4D Printing Materials Sales, Revenue, Price and Gross Margin (2018-2023)
13.8.4 Mitsubishi Main Business Overview
13.8.5 Mitsubishi Latest Developments
13.9 Spintech
13.9.1 Spintech Company Information
13.9.2 Spintech 4D Printing Materials Product Portfolios and Specifications
13.9.3 Spintech 4D Printing Materials Sales, Revenue, Price and Gross Margin (2018-2023)
13.9.4 Spintech Main Business Overview
13.9.5 Spintech Latest Developments
13.10 Syzygy Memory Plastics
13.10.1 Syzygy Memory Plastics Company Information
13.10.2 Syzygy Memory Plastics 4D Printing Materials Product Portfolios and Specifications

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info@marketpublishers.com

13.10.3 Syzygy Memory Plastics 4D Printing Materials Sales, Revenue, Price and Gross Margin (2018-2023)
13.10.4 Syzygy Memory Plastics Main Business Overview
13.10.5 Syzygy Memory Plastics Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

+44 20 8123 2220
info@marketpublishers.com

List Of Tables

LIST OF TABLES

Table 1. 4D Printing Materials Annual Sales CAGR by Geographic Region (2018, 2022 & 2029) & ($ millions)
Table 2. 4D Printing Materials Annual Sales CAGR by Country/Region (2018, 2022 & 2029) & ($ millions)
Table 3. Major Players of Shape Memory Polymer (SMP)
Table 4. Major Players of Liquid Crystal Elastomer (LCE)
Table 5. Major Players of Shape Memory Alloy (SMA)
Table 6. Major Players of Hydrogel
Table 7. Global 4D Printing Materials Sales by Type (2018-2023) & (MT)
Table 8. Global 4D Printing Materials Sales Market Share by Type (2018-2023)
Table 9. Global 4D Printing Materials Revenue by Type (2018-2023) & ($ million)
Table 10. Global 4D Printing Materials Revenue Market Share by Type (2018-2023)
Table 11. Global 4D Printing Materials Sale Price by Type (2018-2023) & (US$/Ton)
Table 12. Global 4D Printing Materials Sales by Application (2018-2023) & (MT)
Table 13. Global 4D Printing Materials Sales Market Share by Application (2018-2023)
Table 14. Global 4D Printing Materials Revenue by Application (2018-2023)
Table 15. Global 4D Printing Materials Revenue Market Share by Application (2018-2023)
Table 16. Global 4D Printing Materials Sale Price by Application (2018-2023) & (US$/Ton)
Table 17. Global 4D Printing Materials Sales by Company (2018-2023) & (MT)
Table 18. Global 4D Printing Materials Sales Market Share by Company (2018-2023)
Table 19. Global 4D Printing Materials Revenue by Company (2018-2023) ($ Millions)
Table 20. Global 4D Printing Materials Revenue Market Share by Company (2018-2023)
Table 21. Global 4D Printing Materials Sale Price by Company (2018-2023) & (US$/Ton)
Table 22. Key Manufacturers 4D Printing Materials Producing Area Distribution and Sales Area
Table 23. Players 4D Printing Materials Products Offered
Table 24. 4D Printing Materials Concentration Ratio (CR3, CR5 and CR10) & (2018-2023)
Table 25. New Products and Potential Entrants
Table 26. Mergers & Acquisitions, Expansion
Table 27. Global 4D Printing Materials Sales by Geographic Region (2018-2023) & (MT)

+44 20 8123 2220
info@marketpublishers.com

Table 28. Global 4D Printing Materials Sales Market Share Geographic Region (2018-2023)
Table 29. Global 4D Printing Materials Revenue by Geographic Region (2018-2023) & ($ millions)
Table 30. Global 4D Printing Materials Revenue Market Share by Geographic Region (2018-2023)
Table 31. Global 4D Printing Materials Sales by Country/Region (2018-2023) & (MT)
Table 32. Global 4D Printing Materials Sales Market Share by Country/Region (2018-2023)
Table 33. Global 4D Printing Materials Revenue by Country/Region (2018-2023) & ($ millions)
Table 34. Global 4D Printing Materials Revenue Market Share by Country/Region (2018-2023)
Table 35. Americas 4D Printing Materials Sales by Country (2018-2023) & (MT)
Table 36. Americas 4D Printing Materials Sales Market Share by Country (2018-2023)
Table 37. Americas 4D Printing Materials Revenue by Country (2018-2023) & ($ Millions)
Table 38. Americas 4D Printing Materials Revenue Market Share by Country (2018-2023)
Table 39. Americas 4D Printing Materials Sales by Type (2018-2023) & (MT)
Table 40. Americas 4D Printing Materials Sales by Application (2018-2023) & (MT)
Table 41. APAC 4D Printing Materials Sales by Region (2018-2023) & (MT)
Table 42. APAC 4D Printing Materials Sales Market Share by Region (2018-2023)
Table 43. APAC 4D Printing Materials Revenue by Region (2018-2023) & ($ Millions)
Table 44. APAC 4D Printing Materials Revenue Market Share by Region (2018-2023)
Table 45. APAC 4D Printing Materials Sales by Type (2018-2023) & (MT)
Table 46. APAC 4D Printing Materials Sales by Application (2018-2023) & (MT)
Table 47. Europe 4D Printing Materials Sales by Country (2018-2023) & (MT)
Table 48. Europe 4D Printing Materials Sales Market Share by Country (2018-2023)
Table 49. Europe 4D Printing Materials Revenue by Country (2018-2023) & ($ Millions)
Table 50. Europe 4D Printing Materials Revenue Market Share by Country (2018-2023)
Table 51. Europe 4D Printing Materials Sales by Type (2018-2023) & (MT)
Table 52. Europe 4D Printing Materials Sales by Application (2018-2023) & (MT)
Table 53. Middle East & Africa 4D Printing Materials Sales by Country (2018-2023) & (MT)
Table 54. Middle East & Africa 4D Printing Materials Sales Market Share by Country (2018-2023)
Table 55. Middle East & Africa 4D Printing Materials Revenue by Country (2018-2023) & ($ Millions)

+44 20 8123 2220
info@marketpublishers.com

Table 56. Middle East & Africa 4D Printing Materials Revenue Market Share by Country (2018-2023)
Table 57. Middle East & Africa 4D Printing Materials Sales by Type (2018-2023) & (MT)
Table 58. Middle East & Africa 4D Printing Materials Sales by Application (2018-2023) & (MT)
Table 59. Key Market Drivers & Growth Opportunities of 4D Printing Materials
Table 60. Key Market Challenges & Risks of 4D Printing Materials
Table 61. Key Industry Trends of 4D Printing Materials
Table 62. 4D Printing Materials Raw Material
Table 63. Key Suppliers of Raw Materials
Table 64. 4D Printing Materials Distributors List
Table 65. 4D Printing Materials Customer List
Table 66. Global 4D Printing Materials Sales Forecast by Region (2024-2029) & (MT)
Table 67. Global 4D Printing Materials Revenue Forecast by Region (2024-2029) & ($ millions)
Table 68. Americas 4D Printing Materials Sales Forecast by Country (2024-2029) & (MT)
Table 69. Americas 4D Printing Materials Revenue Forecast by Country (2024-2029) & ($ millions)
Table 70. APAC 4D Printing Materials Sales Forecast by Region (2024-2029) & (MT)
Table 71. APAC 4D Printing Materials Revenue Forecast by Region (2024-2029) & ($ millions)
Table 72. Europe 4D Printing Materials Sales Forecast by Country (2024-2029) & (MT)
Table 73. Europe 4D Printing Materials Revenue Forecast by Country (2024-2029) & ($ millions)
Table 74. Middle East & Africa 4D Printing Materials Sales Forecast by Country (2024-2029) & (MT)
Table 75. Middle East & Africa 4D Printing Materials Revenue Forecast by Country (2024-2029) & ($ millions)
Table 76. Global 4D Printing Materials Sales Forecast by Type (2024-2029) & (MT)
Table 77. Global 4D Printing Materials Revenue Forecast by Type (2024-2029) & ($ Millions)
Table 78. Global 4D Printing Materials Sales Forecast by Application (2024-2029) & (MT)
Table 79. Global 4D Printing Materials Revenue Forecast by Application (2024-2029) & ($ Millions)
Table 80. BASF SE Basic Information, 4D Printing Materials Manufacturing Base, Sales Area and Its Competitors
Table 81. BASF SE 4D Printing Materials Product Portfolios and Specifications

+44 20 8123 2220
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Table 82. BASF SE 4D Printing Materials Sales (MT), Revenue ($ Million), Price (US$/Ton) and Gross Margin (2018-2023)
Table 83. BASF SE Main Business
Table 84. BASF SE Latest Developments
Table 85. Cornerstone Research Group Basic Information, 4D Printing Materials Manufacturing Base, Sales Area and Its Competitors
Table 86. Cornerstone Research Group 4D Printing Materials Product Portfolios and Specifications
Table 87. Cornerstone Research Group 4D Printing Materials Sales (MT), Revenue ($ Million), Price (US$/Ton) and Gross Margin (2018-2023)
Table 88. Cornerstone Research Group Main Business
Table 89. Cornerstone Research Group Latest Developments
Table 90. SINOPEC Basic Information, 4D Printing Materials Manufacturing Base, Sales Area and Its Competitors
Table 91. SINOPEC 4D Printing Materials Product Portfolios and Specifications
Table 92. SINOPEC 4D Printing Materials Sales (MT), Revenue ($ Million), Price (US$/Ton) and Gross Margin (2018-2023)
Table 93. SINOPEC Main Business
Table 94. SINOPEC Latest Developments
Table 95. Covestro Basic Information, 4D Printing Materials Manufacturing Base, Sales Area and Its Competitors
Table 96. Covestro 4D Printing Materials Product Portfolios and Specifications
Table 97. Covestro 4D Printing Materials Sales (MT), Revenue ($ Million), Price (US$/Ton) and Gross Margin (2018-2023)
Table 98. Covestro Main Business
Table 99. Covestro Latest Developments
Table 100. EndoShape Basic Information, 4D Printing Materials Manufacturing Base, Sales Area and Its Competitors
Table 101. EndoShape 4D Printing Materials Product Portfolios and Specifications
Table 102. EndoShape 4D Printing Materials Sales (MT), Revenue ($ Million), Price (US$/Ton) and Gross Margin (2018-2023)
Table 103. EndoShape Main Business
Table 104. EndoShape Latest Developments
Table 105. Evonik Basic Information, 4D Printing Materials Manufacturing Base, Sales Area and Its Competitors
Table 106. Evonik 4D Printing Materials Product Portfolios and Specifications
Table 107. Evonik 4D Printing Materials Sales (MT), Revenue ($ Million), Price (US$/Ton) and Gross Margin (2018-2023)
Table 108. Evonik Main Business

+44 20 8123 2220
info@marketpublishers.com

Table 109. Evonik Latest Developments
Table 110. MedShape Basic Information, 4D Printing Materials Manufacturing Base, Sales Area and Its Competitors
Table 111. MedShape 4D Printing Materials Product Portfolios and Specifications
Table 112. MedShape 4D Printing Materials Sales (MT), Revenue ($ Million), Price (US$/Ton) and Gross Margin (2018-2023)
Table 113. MedShape Main Business
Table 114. MedShape Latest Developments
Table 115. Mitsubishi Basic Information, 4D Printing Materials Manufacturing Base, Sales Area and Its Competitors
Table 116. Mitsubishi 4D Printing Materials Product Portfolios and Specifications
Table 117. Mitsubishi 4D Printing Materials Sales (MT), Revenue ($ Million), Price (US$/Ton) and Gross Margin (2018-2023)
Table 118. Mitsubishi Main Business
Table 119. Mitsubishi Latest Developments
Table 120. Spintech Basic Information, 4D Printing Materials Manufacturing Base, Sales Area and Its Competitors
Table 121. Spintech 4D Printing Materials Product Portfolios and Specifications
Table 122. Spintech 4D Printing Materials Sales (MT), Revenue ($ Million), Price (US$/Ton) and Gross Margin (2018-2023)
Table 123. Spintech Main Business
Table 124. Spintech Latest Developments
Table 125. Syzygy Memory Plastics Basic Information, 4D Printing Materials Manufacturing Base, Sales Area and Its Competitors
Table 126. Syzygy Memory Plastics 4D Printing Materials Product Portfolios and Specifications
Table 127. Syzygy Memory Plastics 4D Printing Materials Sales (MT), Revenue ($ Million), Price (US$/Ton) and Gross Margin (2018-2023)
Table 128. Syzygy Memory Plastics Main Business
Table 129. Syzygy Memory Plastics Latest Developments

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List Of Figures

LIST OF FIGURES

Figure 1. Picture of 4D Printing Materials
Figure 2. 4D Printing Materials Report Years Considered
Figure 3. Research Objectives
Figure 4. Research Methodology
Figure 5. Research Process and Data Source
Figure 6. Global 4D Printing Materials Sales Growth Rate 2018-2029 (MT)
Figure 7. Global 4D Printing Materials Revenue Growth Rate 2018-2029 ($ Millions)
Figure 8. 4D Printing Materials Sales by Region (2018, 2022 & 2029) & ($ Millions)
Figure 9. Product Picture of Shape Memory Polymer (SMP)
Figure 10. Product Picture of Liquid Crystal Elastomer (LCE)
Figure 11. Product Picture of Shape Memory Alloy (SMA)
Figure 12. Product Picture of Hydrogel
Figure 13. Global 4D Printing Materials Sales Market Share by Type in 2022
Figure 14. Global 4D Printing Materials Revenue Market Share by Type (2018-2023)
Figure 15. 4D Printing Materials Consumed in Working
Figure 16. Global 4D Printing Materials Market: Working (2018-2023) & (MT)
Figure 17. 4D Printing Materials Consumed in Aerospace
Figure 18. Global 4D Printing Materials Market: Aerospace (2018-2023) & (MT)
Figure 19. 4D Printing Materials Consumed in Chemical Industrial
Figure 20. Global 4D Printing Materials Market: Chemical Industrial (2018-2023) & (MT)
Figure 21. 4D Printing Materials Consumed in Architecture
Figure 22. Global 4D Printing Materials Market: Architecture (2018-2023) & (MT)
Figure 23. 4D Printing Materials Consumed in Education
Figure 24. Global 4D Printing Materials Market: Education (2018-2023) & (MT)
Figure 25. 4D Printing Materials Consumed in Medical Care
Figure 26. Global 4D Printing Materials Market: Medical Care (2018-2023) & (MT)
Figure 27. Global 4D Printing Materials Sales Market Share by Application (2022)
Figure 28. Global 4D Printing Materials Revenue Market Share by Application in 2022
Figure 29. 4D Printing Materials Sales Market by Company in 2022 (MT)
Figure 30. Global 4D Printing Materials Sales Market Share by Company in 2022
Figure 31. 4D Printing Materials Revenue Market by Company in 2022 ($ Million)
Figure 32. Global 4D Printing Materials Revenue Market Share by Company in 2022
Figure 33. Global 4D Printing Materials Sales Market Share by Geographic Region (2018-2023)
Figure 34. Global 4D Printing Materials Revenue Market Share by Geographic Region

in 2022
Figure 35. Americas 4D Printing Materials Sales 2018-2023 (MT)
Figure 36. Americas 4D Printing Materials Revenue 2018-2023 ($ Millions)
Figure 37. APAC 4D Printing Materials Sales 2018-2023 (MT)
Figure 38. APAC 4D Printing Materials Revenue 2018-2023 ($ Millions)
Figure 39. Europe 4D Printing Materials Sales 2018-2023 (MT)
Figure 40. Europe 4D Printing Materials Revenue 2018-2023 ($ Millions)
Figure 41. Middle East & Africa 4D Printing Materials Sales 2018-2023 (MT)
Figure 42. Middle East & Africa 4D Printing Materials Revenue 2018-2023 ($ Millions)
Figure 43. Americas 4D Printing Materials Sales Market Share by Country in 2022
Figure 44. Americas 4D Printing Materials Revenue Market Share by Country in 2022
Figure 45. Americas 4D Printing Materials Sales Market Share by Type (2018-2023)
Figure 46. Americas 4D Printing Materials Sales Market Share by Application (2018-2023)
Figure 47. United States 4D Printing Materials Revenue Growth 2018-2023 ($ Millions)
Figure 48. Canada 4D Printing Materials Revenue Growth 2018-2023 ($ Millions)
Figure 49. Mexico 4D Printing Materials Revenue Growth 2018-2023 ($ Millions)
Figure 50. Brazil 4D Printing Materials Revenue Growth 2018-2023 ($ Millions)
Figure 51. APAC 4D Printing Materials Sales Market Share by Region in 2022
Figure 52. APAC 4D Printing Materials Revenue Market Share by Regions in 2022
Figure 53. APAC 4D Printing Materials Sales Market Share by Type (2018-2023)
Figure 54. APAC 4D Printing Materials Sales Market Share by Application (2018-2023)
Figure 55. China 4D Printing Materials Revenue Growth 2018-2023 ($ Millions)
Figure 56. Japan 4D Printing Materials Revenue Growth 2018-2023 ($ Millions)
Figure 57. South Korea 4D Printing Materials Revenue Growth 2018-2023 ($ Millions)
Figure 58. Southeast Asia 4D Printing Materials Revenue Growth 2018-2023 ($ Millions)
Figure 59. India 4D Printing Materials Revenue Growth 2018-2023 ($ Millions)
Figure 60. Australia 4D Printing Materials Revenue Growth 2018-2023 ($ Millions)
Figure 61. China Taiwan 4D Printing Materials Revenue Growth 2018-2023 ($ Millions)
Figure 62. Europe 4D Printing Materials Sales Market Share by Country in 2022
Figure 63. Europe 4D Printing Materials Revenue Market Share by Country in 2022
Figure 64. Europe 4D Printing Materials Sales Market Share by Type (2018-2023)
Figure 65. Europe 4D Printing Materials Sales Market Share by Application (2018-2023)
Figure 66. Germany 4D Printing Materials Revenue Growth 2018-2023 ($ Millions)
Figure 67. France 4D Printing Materials Revenue Growth 2018-2023 ($ Millions)
Figure 68. UK 4D Printing Materials Revenue Growth 2018-2023 ($ Millions)
Figure 69. Italy 4D Printing Materials Revenue Growth 2018-2023 ($ Millions)
Figure 70. Russia 4D Printing Materials Revenue Growth 2018-2023 ($ Millions)

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Figure 71. Middle East & Africa 4D Printing Materials Sales Market Share by Country in 2022
Figure 72. Middle East & Africa 4D Printing Materials Revenue Market Share by Country in 2022
Figure 73. Middle East & Africa 4D Printing Materials Sales Market Share by Type (2018-2023)
Figure 74. Middle East & Africa 4D Printing Materials Sales Market Share by Application (2018-2023)
Figure 75. Egypt 4D Printing Materials Revenue Growth 2018-2023 ($ Millions)
Figure 76. South Africa 4D Printing Materials Revenue Growth 2018-2023 ($ Millions)
Figure 77. Israel 4D Printing Materials Revenue Growth 2018-2023 ($ Millions)
Figure 78. Turkey 4D Printing Materials Revenue Growth 2018-2023 ($ Millions)
Figure 79. GCC Country 4D Printing Materials Revenue Growth 2018-2023 ($ Millions)
Figure 80. Manufacturing Cost Structure Analysis of 4D Printing Materials in 2022
Figure 81. Manufacturing Process Analysis of 4D Printing Materials
Figure 82. Industry Chain Structure of 4D Printing Materials
Figure 83. Channels of Distribution
Figure 84. Global 4D Printing Materials Sales Market Forecast by Region (2024-2029)
Figure 85. Global 4D Printing Materials Revenue Market Share Forecast by Region (2024-2029)
Figure 86. Global 4D Printing Materials Sales Market Share Forecast by Type (2024-2029)
Figure 87. Global 4D Printing Materials Revenue Market Share Forecast by Type (2024-2029)
Figure 88. Global 4D Printing Materials Sales Market Share Forecast by Application (2024-2029)
Figure 89. Global 4D Printing Materials Revenue Market Share Forecast by Application (2024-2029)

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