

Global Vascular Grafts Market Size study, by Product (Hemodialysis Access Grafts, Endovascular Stent Grafts, Coronary Artery By-Pass Grafts, Vascular Grafts for Aorta Disease, Peripheral Vascular Grafts), By Raw Material (Synthetic Vascular Grafts, Biological Vascular Grafts, Hybrid Vascular Grafts), By Application (Cardiac Aneurysm, Kidney Failure, Vascular Occlusion, Coronary Artery Disease) and Regional Forecasts 2022-2032

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Abstracts

Global Vascular Grafts Market is valued at approximately USD 1.7 billion in 2023 and is anticipated to grow with a healthy growth rate of more than 7.20% over the forecast period 2024-2032. Vascular grafts are medical devices used in vascular surgery to replace or bypass damaged or diseased blood vessels. They are essentially artificial blood vessels that are surgically implanted to restore blood flow in cases where natural blood vessels are blocked, narrowed, or weakened. Vascular grafts are made from various materials such as synthetic polymers (e.g., polyethylene terephthalate or Dacron), biological tissues (e.g., human, or animal-derived), or a combination of both. These grafts are used in a variety of vascular procedures, including coronary artery bypass grafting (CABG), peripheral artery bypass surgery, arteriovenous (AV) access for dialysis, and repair of aneurysms. Vascular grafts help in treating cardiovascular diseases, peripheral vascular diseases, and other conditions that affect blood circulation. The increasing adoption of minimally invasive procedures for vascular surgeries is a key trend for the Global Vascular Grafts Market as it offer advantages such as reduced recovery time, lower risk of complications, and improved patient outcomes.

In addition, the expansion of the Vascular Grafts Market is predominantly fueled by the surge in demand for vascular access for hemodialysis and the escalating geriatric population. Also, the increasing prevalence of cardiovascular diseases associated with lifestyle factors such as diabetes and hypertension, has led to a growing demand for vascular grafts used in critical procedures such as bypass surgeries. Also, rising technological advancements play a crucial role, with innovations in graft materials, such as bioengineered options and more durable synthetics, enhancing the efficacy and durability of vascular grafts and driving their adoption. Moreover, its compatibility with aortic cross-clamp and cardiopulmonary bypass systems adds to its attractiveness. Additionally, the progress in surgical methodologies, particularly those incorporating coronary artery stent-grafts, is poised to boost the need for vascular grafts in the foreseeable future. The extensive adoption of prosthetic grafts such as electrospun polyurethane vascular grafts for addressing intricate vascular trauma, attributed to their capacity to lower the risk of neointimal formation, is expected to drive market expansion consistently across the projected period of 2024-2032. Furthermore, the trend towards minimally invasive surgeries has surged, boosting the demand for vascular grafts used in such procedures due to their reduced recovery times and fewer complications, which are further presenting various growth prospects to the Global Vascular Grafts Market during the estimated period. However, risk associated with graft failures, coupled with the high cost of vascular graft procedures is expected to stifle Global Vascular Grafts Market growth between 2022 and 2032.

The key regions considered for the global Vascular Grafts Market study includes Asia Pacific, North America, Europe, Latin America, and Rest of the World. In 2023, North America dominates the Vascular Grafts Market share because of rising prevalence rates of diabetes, cardiovascular diseases, and chronic kidney disease in the region. According to the Centers for Disease Control and Prevention, in the United States, heart disease stands as the primary cause of death among men, women, and individuals across various racial and ethnic backgrounds. The region has one cardiovascular disease-related death every 33 seconds. Along with heart disease claimed the lives of almost 695,000 persons in 2021, accounting for 1 in 5 fatalities. Additionally, the market's growth is further propelled by robust reimbursement coverage and advanced healthcare infrastructure available in North America. Whereas, Asia Pacific is poised for rapid growth over the forecast period of 2024-2032 driven by increasing incidence of kidney disorders and increasing government spending.

Major market player included in this report are:

Medtronic Plc
Terumo Corporation
LeMaitre Vascular, Inc.
Getinge AB
Becton, Dickinson and Company
Abbott Laboratories
B. Braun Melsungen AG
W. L. Gore & Associates, Inc.
MicroPort Scientific Corporation
Endologix, Inc.

The detailed segments and sub-segment of the market are explained below:

By Product

Hemodialysis Access Grafts
Endovascular Stent Grafts
Coronary Artery By-Pass Grafts
Vascular Grafts for Aorta Disease
Peripheral Vascular Grafts

By Raw Material

Synthetic Vascular Grafts
Biological Vascular Grafts
Hybrid Vascular Grafts

By Application

Cardiac Aneurysm
Kidney Failure
Vascular Occlusion
Coronary Artery Disease

By Region:

North America
U.S.
Canada
Europe
UK
Germany
France

Spain
Italy
ROE
Asia Pacific
China
India
Japan
Australia
South Korea
RoAPAC
Latin America
Brazil
Mexico
Middle East & Africa
Saudi Arabia
South Africa
RoMEA

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

Contents

CHAPTER 1. GLOBAL VASCULAR GRAFTS MARKET DEFINITION AND RESEARCH ASSUMPTIONS

- 1.1. Research Objective
- 1.2. Market Definition
- 1.3. Research Assumptions
 - 1.3.1. Inclusion & Exclusion
 - 1.3.2. Limitations
 - 1.3.3. Supply Side Analysis
 - 1.3.3.1. Availability
 - 1.3.3.2. Infrastructure
 - 1.3.3.3. Regulatory Environment
 - 1.3.3.4. Market Competition
 - 1.3.3.5. Economic Viability (Consumer's Perspective)
 - 1.3.4. Demand Side Analysis
 - 1.3.4.1. Regulatory frameworks
 - 1.3.4.2. Technological Advancements
 - 1.3.4.3. Environmental Considerations
 - 1.3.4.4. Consumer Awareness & Acceptance
- 1.4. Estimation Methodology
- 1.5. Years Considered for the Study
- 1.6. Currency Conversion Rates

CHAPTER 2. EXECUTIVE SUMMARY

- 2.1. Global Vascular Grafts Market Size & Forecast (2022- 2032)
- 2.2. Regional Summary
- 2.3. Segmental Summary
 - 2.3.1. By Product
 - 2.3.2. By Raw Material
 - 2.3.3. By Application
- 2.4. Key Trends
- 2.5. Recession Impact
- 2.6. Analyst Recommendation & Conclusion

CHAPTER 3. GLOBAL VASCULAR GRAFTS MARKET DYNAMICS

- 3.1. Market Drivers
- 3.2. Market Challenges
- 3.3. Market Opportunities

CHAPTER 4. GLOBAL VASCULAR GRAFTS MARKET INDUSTRY ANALYSIS

- 4.1. Porter's 5 Force Model
 - 4.1.1. Bargaining Power of Suppliers
 - 4.1.2. Bargaining Power of Buyers
 - 4.1.3. Threat of New Entrants
 - 4.1.4. Threat of Substitutes
 - 4.1.5. Competitive Rivalry
 - 4.1.6. Futuristic Approach to Porter's 5 Force Model
 - 4.1.7. Porter's 5 Force Impact Analysis
- 4.2. PESTEL Analysis
 - 4.2.1. Political
 - 4.2.2. Economical
 - 4.2.3. Social
 - 4.2.4. Technological
 - 4.2.5. Environmental
 - 4.2.6. Legal
- 4.3. Top investment opportunity
- 4.4. Top winning strategies
- 4.5. Disruptive Trends
- 4.6. Industry Expert Perspective
- 4.7. Analyst Recommendation & Conclusion

CHAPTER 5. GLOBAL VASCULAR GRAFTS MARKET SIZE & FORECASTS BY PRODUCT 2022-2032

- 5.1. Hemodialysis Access Grafts
- 5.2. Endovascular Stent Grafts
- 5.3. Coronary Artery By-Pass Grafts
- 5.4. Vascular Grafts for Aorta Disease
- 5.5. Peripheral Vascular Grafts

CHAPTER 6. GLOBAL VASCULAR GRAFTS MARKET SIZE & FORECASTS BY RAW MATERIAL 2022-2032

- 6.1. Synthetic Vascular Grafts
- 6.2. Biological Vascular Grafts
- 6.3. Hybrid Vascular Grafts

CHAPTER 7. GLOBAL VASCULAR GRAFTS MARKET SIZE & FORECASTS BY APPLICATION 2022-2032

- 7.1. Cardiac Aneurysm
- 7.2. Kidney Failure
- 7.3. Vascular Occlusion
- 7.4. Coronary Artery Disease

CHAPTER 8. GLOBAL VASCULAR GRAFTS MARKET SIZE & FORECASTS BY REGION 2022-2032

- 8.1. North America Vascular Grafts Market
 - 8.1.1. U.S. Vascular Grafts Market
 - 8.1.1.1. Product breakdown size & forecasts, 2022-2032
 - 8.1.1.2. Raw Material breakdown size & forecasts, 2022-2032
 - 8.1.1.3. Application breakdown size & forecasts, 2022-2032
 - 8.1.2. Canada Vascular Grafts Market
- 8.2. Europe Vascular Grafts Market
 - 8.2.1. U.K. Vascular Grafts Market
 - 8.2.2. Germany Vascular Grafts Market
 - 8.2.3. France Vascular Grafts Market
 - 8.2.4. Spain Vascular Grafts Market
 - 8.2.5. Italy Vascular Grafts Market
 - 8.2.6. Rest of Europe Vascular Grafts Market
- 8.3. Asia-Pacific Vascular Grafts Market
 - 8.3.1. China Vascular Grafts Market
 - 8.3.2. India Vascular Grafts Market
 - 8.3.3. Japan Vascular Grafts Market
 - 8.3.4. Australia Vascular Grafts Market
 - 8.3.5. South Korea Vascular Grafts Market
 - 8.3.6. Rest of Asia Pacific Vascular Grafts Market
- 8.4. Latin America Vascular Grafts Market
 - 8.4.1. Brazil Vascular Grafts Market
 - 8.4.2. Mexico Vascular Grafts Market
 - 8.4.3. Rest of Latin America Vascular Grafts Market

- 8.5. Middle East & Africa Vascular Grafts Market
 - 8.5.1. Saudi Arabia Vascular Grafts Market
 - 8.5.2. South Africa Vascular Grafts Market
 - 8.5.3. Rest of Middle East & Africa Vascular Grafts Market

CHAPTER 9. COMPETITIVE INTELLIGENCE

- 9.1. Key Company SWOT Analysis
 - 9.1.1. Company
 - 9.1.2. Company
 - 9.1.3. Company
- 9.2. Top Market Strategies
- 9.3. Company Profiles
 - 9.3.1. Medtronic Plc
 - 9.3.1.1. Key Information
 - 9.3.1.2. Overview
 - 9.3.1.3. Financial (Subject to Data Availability)
 - 9.3.1.4. Product Summary
 - 9.3.1.5. Market Strategies
 - 9.3.2. Terumo Corporation
 - 9.3.3. LeMaitre Vascular, Inc.
 - 9.3.4. Getinge AB
 - 9.3.5. Becton, Dickinson and Company
 - 9.3.6. Abbott Laboratories
 - 9.3.7. B. Braun Melsungen AG
 - 9.3.8. W. L. Gore & Associates, Inc.
 - 9.3.9. MicroPort Scientific Corporation
 - 9.3.10. Endologix, Inc.

CHAPTER 10. RESEARCH PROCESS

- 10.1. Research Process
 - 10.1.1. Data Mining
 - 10.1.2. Analysis
 - 10.1.3. Market Estimation
 - 10.1.4. Validation
 - 10.1.5. Publishing
- 10.2. Research Attributes

List Of Tables

LIST OF TABLES

TABLE 1. Global Vascular Grafts Market, report scope

TABLE 2. Global Vascular Grafts Market estimates & forecasts by Region 2022-2032 (USD Billion)

TABLE 3. Global Vascular Grafts Market estimates & forecasts by Product 2022-2032 (USD Billion)

TABLE 4. Global Vascular Grafts Market estimates & forecasts by Raw Material 2022-2032 (USD Billion)

TABLE 5. Global Vascular Grafts Market estimates & forecasts by Application 2022-2032 (USD Billion)

TABLE 6. Global Vascular Grafts Market by segment, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 7. Global Vascular Grafts Market by region, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 8. Global Vascular Grafts Market by segment, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 9. Global Vascular Grafts Market by region, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 10. Global Vascular Grafts Market by segment, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 11. Global Vascular Grafts Market by region, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 12. Global Vascular Grafts Market by segment, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 13. Global Vascular Grafts Market by region, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 14. Global Vascular Grafts Market by segment, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 15. Global Vascular Grafts Market by region, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 16. U.S. Vascular Grafts Market estimates & forecasts, 2022-2032 (USD Billion)

TABLE 17. U.S. Vascular Grafts Market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 18. U.S. Vascular Grafts Market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 19. Canada Vascular Grafts Market estimates & forecasts, 2022-2032 (USD

Billion)

TABLE 20. Canada Vascular Grafts Market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 21. Canada Vascular Grafts Market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 22. UK Vascular Grafts Market estimates & forecasts, 2022-2032 (USD Billion)

TABLE 23. UK Vascular Grafts Market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 24. UK Vascular Grafts Market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 25. Germany Vascular Grafts Market estimates & forecasts, 2022-2032 (USD Billion)

TABLE 26. Germany Vascular Grafts Market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 27. Germany Vascular Grafts Market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 28. France Vascular Grafts Market estimates & forecasts, 2022-2032 (USD Billion)

TABLE 29. France Vascular Grafts Market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 30. France Vascular Grafts Market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 31. Italy Vascular Grafts Market estimates & forecasts, 2022-2032 (USD Billion)

TABLE 32. Italy Vascular Grafts Market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 33. Italy Vascular Grafts Market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 34. Spain Vascular Grafts Market estimates & forecasts, 2022-2032 (USD Billion)

TABLE 35. Spain Vascular Grafts Market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 36. Spain Vascular Grafts Market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 37. RoE Vascular Grafts Market estimates & forecasts, 2022-2032 (USD Billion)

TABLE 38. RoE Vascular Grafts Market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 39. RoE Vascular Grafts Market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 40. China Vascular Grafts Market estimates & forecasts, 2022-2032 (USD

Billion)

TABLE 41. China Vascular Grafts Market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 42. China Vascular Grafts Market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 43. India Vascular Grafts Market estimates & forecasts, 2022-2032 (USD Billion)

TABLE 44. India Vascular Grafts Market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 45. India Vascular Grafts Market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 46. Japan Vascular Grafts Market estimates & forecasts, 2022-2032 (USD Billion)

TABLE 47. Japan Vascular Grafts Market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 48. Japan Vascular Grafts Market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 49. Australia Vascular Grafts Market estimates & forecasts, 2022-2032 (USD Billion)

TABLE 50. Australia Vascular Grafts Market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 51. Australia Vascular Grafts Market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 52. South Korea Vascular Grafts Market estimates & forecasts, 2022-2032 (USD Billion)

TABLE 53. South Korea Vascular Grafts Market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 54. South Korea Vascular Grafts Market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 55.

TABLE 56. RoAPAC Vascular Grafts Market estimates & forecasts, 2022-2032 (USD Billion)

TABLE 57. RoAPAC Vascular Grafts Market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 58. RoAPAC Vascular Grafts Market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 59. Brazil Vascular Grafts Market estimates & forecasts, 2022-2032 (USD Billion)

TABLE 60. Brazil Vascular Grafts Market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 61. Brazil Vascular Grafts Market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 62. Mexico Vascular Grafts Market estimates & forecasts, 2022-2032 (USD Billion)

TABLE 63. Mexico Vascular Grafts Market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 64. Mexico Vascular Grafts Market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 65. RoLA Vascular Grafts Market estimates & forecasts, 2022-2032 (USD Billion)

TABLE 66. RoLA Vascular Grafts Market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 67. RoLA Vascular Grafts Market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 68. Saudi Arabia Vascular Grafts Market estimates & forecasts, 2022-2032 (USD Billion)

TABLE 69. Saudi Arabia Vascular Grafts Market estimates & forecasts, 2022-2032 (USD Billion)

TABLE 70. Saudi Arabia Vascular Grafts Market estimates & forecasts, 2022-2032 (USD Billion)

TABLE 71. South Africa Vascular Grafts Market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 72.

TABLE 73. South Africa Vascular Grafts Market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 74. South Africa Vascular Grafts Market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 75. RoMEA Vascular Grafts Market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 76. RoMEA Vascular Grafts Market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 77. RoMEA Vascular Grafts Market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 78. List of secondary sources, used in the study of Global Vascular Grafts Market.

TABLE 79. List of primary sources, used in the study of Global Vascular Grafts Market.

TABLE 80. Years considered for the study.

TABLE 81. Exchange rates considered.

List Of Figures

LIST OF FIGURES

- FIG 1. Global Vascular Grafts Market, research methodology
- FIG 2. Global Vascular Grafts Market, market estimation techniques
- FIG 3. Global market size estimates & forecast methods.
- FIG 4. Global Vascular Grafts Market, key trends 2023
- FIG 5. Global Vascular Grafts Market, growth prospects 2022-2032
- FIG 6. Global Vascular Grafts Market, porters 5 force model
- FIG 7. Global Vascular Grafts Market, pestel analysis
- FIG 8. Global Vascular Grafts Market, value chain analysis
- FIG 9. Global Vascular Grafts Market by segment, 2022 & 2032 (USD Billion)
- FIG 10. Global Vascular Grafts Market by segment, 2022 & 2032 (USD Billion)
- FIG 11. Global Vascular Grafts Market by segment, 2022 & 2032 (USD Billion)
- FIG 12. Global Vascular Grafts Market by segment, 2022 & 2032 (USD Billion)
- FIG 13. Global Vascular Grafts Market by segment, 2022 & 2032 (USD Billion)
- FIG 14. Global Vascular Grafts Market, regional snapshot 2022 & 2032
- FIG 15. North America Vascular Grafts Market 2022 & 2032 (USD Billion)
- FIG 16. Europe Vascular Grafts Market 2022 & 2032 (USD Billion)
- FIG 17. Asia pacific Vascular Grafts Market 2022 & 2032 (USD Billion)
- FIG 18. Latin America Vascular Grafts Market 2022 & 2032 (USD Billion)
- FIG 19. Middle East & Africa Vascular Grafts Market 2022 & 2032 (USD Billion)
- FIG 20. Global Vascular Grafts Market, company market share analysis (2023)

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