

Metamaterials Industry Research Report 2023

<https://marketpublishers.com/r/MCCA82F1B0A9EN.html>

Date: August 2023

Pages: 91

Price: US\$ 2,950.00 (Single User License)

ID: MCCA82F1B0A9EN

Abstracts

Metamaterials are artificially crafted composite materials that derive their properties from internal microstructure, rather than chemical composition found in natural materials.

Highlights

The global Metamaterials market is projected to reach US\$ million by 2029 from an estimated US\$ million in 2023, at a CAGR of % during 2024 and 2029.

Global key players of metamaterials include Kuangchi Science, MetaShield LLC., Kymeta, Metaboards Limited and Xi'an Tianhe, etc. Top 1 player occupy for a share about 10%. North America is the largest market, with a share about 50%, followed by China and Europe.

Report Scope

This report aims to provide a comprehensive presentation of the global market for Metamaterials, with both quantitative and qualitative analysis, to help readers develop business/growth strategies, assess the market competitive situation, analyze their position in the current marketplace, and make informed business decisions regarding Metamaterials.

The Metamaterials market size, estimations, and forecasts are provided in terms of and revenue (\$ millions), considering 2022 as the base year, with history and forecast data for the period from 2018 to 2029. This report segments the global Metamaterials market comprehensively. Regional market sizes, concerning products by types, by application, and by players, are also provided. The influence of COVID-19 and the Russia-Ukraine War were considered while estimating market sizes.

For a more in-depth understanding of the market, the report provides profiles of the competitive landscape, key competitors, and their respective market ranks. The report also discusses technological trends and new product developments.

The report will help the Metamaterials companies, new entrants, and industry chain related companies in this market with information on the revenues for the overall market and the sub-segments across the different segments, by company, product type, application, and regions.

Key Companies & Market Share Insights

In this section, the readers will gain an understanding of the key players competing. This report has studied the key growth strategies, such as innovative trends and developments, intensification of product portfolio, mergers and acquisitions, collaborations, new product innovation, and geographical expansion, undertaken by these participants to maintain their presence. Apart from business strategies, the study includes current developments and key financials. The readers will also get access to the data related to global revenue by companies for the period 2017-2022. This all-inclusive report will certainly serve the clients to stay updated and make effective decisions in their businesses. Some of the prominent players reviewed in the research report include:

Applied Metamaterials

Kymeta

Metamagnetics

Metamaterial Inc.

Kuangchi Science

Xi'an Tianhe

MetaShield LLC.

Metaboards Limited

Sonobex

Evolv Technology

Metasonixx Ltd. (Metasonics)

Echodyne

Pivotal Commware

Product Type Insights

Global markets are presented by Metamaterials type, along with growth forecasts through 2029. Estimates on revenue are based on the price in the supply chain at which the Metamaterials are procured by the companies.

This report has studied every segment and provided the market size using historical data. They have also talked about the growth opportunities that the segment may pose in the future. This study bestows revenue data by type, and during the historical period (2018-2023) and forecast period (2024-2029).

Metamaterials segment by Type

Electromagnetic Metamaterial

Optical Metamaterial

Acoustic Metamaterials

Others (Mechanical Metamaterials)

Application Insights

This report has provided the market size (revenue data) by application, during the historical period (2018-2023) and forecast period (2024-2029).

This report also outlines the market trends of each segment and consumer behaviors

impacting the Metamaterials market and what implications these may have on the industry's future. This report can help to understand the relevant market and consumer trends that are driving the Metamaterials market.

Metamaterials Segment by Application

Military and Defense

Communication Antenna

Thermal Imaging

Others

Regional Outlook

This section of the report provides key insights regarding various regions and the key players operating in each region. Economic, social, environmental, technological, and political factors have been taken into consideration while assessing the growth of the particular region/country. The readers will also get their hands on the revenue data of each region and country for the period 2018-2029.

The market has been segmented into various major geographies, including North America, Europe, Asia-Pacific, South America, Middle East & Africa. Detailed analysis of major countries such as the USA, Germany, the U.K., Italy, France, China, Japan, South Korea, Southeast Asia, and India will be covered within the regional segment. For market estimates, data are going to be provided for 2022 because of the base year, with estimates for 2023 and forecast revenue for 2029.

North America

United States

Canada

Europe

Germany

France

UK

Italy

Russia

Nordic Countries

Rest of Europe

Asia-Pacific

China

Japan

South Korea

Southeast Asia

India

Australia

Rest of Asia

Latin America

Mexico

Brazil

Rest of Latin America

Middle East & Africa

Turkey

Saudi Arabia

UAE

Rest of MEA

Key Drivers & Barriers

High-impact rendering factors and drivers have been studied in this report to aid the readers to understand the general development. Moreover, the report includes restraints and challenges that may act as stumbling blocks on the way of the players. This will assist the users to be attentive and make informed decisions related to business. Specialists have also laid their focus on the upcoming business prospects.

COVID-19 and Russia-Ukraine War Influence Analysis

The readers in the section will understand how the Metamaterials market scenario changed across the globe during the pandemic, post-pandemic and Russia-Ukraine War. The study is done keeping in view the changes in aspects such as demand, consumption, transportation, consumer behavior, supply chain management. The industry experts have also highlighted the key factors that will help create opportunities for players and stabilize the overall industry in the years to come.

Reasons to Buy This Report

This report will help the readers to understand the competition within the industries and strategies for the competitive environment to enhance the potential profit. The report also focuses on the competitive landscape of the global Metamaterials market, and introduces in detail the market share, industry ranking, competitor ecosystem, market performance, new product development, operation situation, expansion, and acquisition. etc. of the main players, which helps the readers to identify the main competitors and deeply understand the competition pattern of the market.

This report will help stakeholders to understand the global industry status and trends of Metamaterials and provides them with information on key market drivers, restraints, challenges, and opportunities.

This report will help stakeholders to understand competitors better and gain more insights to strengthen their position in their businesses. The competitive landscape section includes the market share and rank (in volume and value), competitor ecosystem, new product development, expansion, and acquisition.

This report stays updated with novel technology integration, features, and the latest developments in the market

This report helps stakeholders to understand the COVID-19 and Russia-Ukraine War Influence on the Metamaterials industry.

This report helps stakeholders to gain insights into which regions to target globally

This report helps stakeholders to gain insights into the end-user perception concerning the adoption of Metamaterials.

This report helps stakeholders to identify some of the key players in the market and understand their valuable contribution.

Core Chapters

Chapter 1: Research objectives, research methods, data sources, data cross-validation;

Chapter 2: Introduces the report scope of the report, executive summary of different market segments (product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the market and its likely evolution in the short to mid-term, and long term.

Chapter 3: Provides the analysis of various market segments product types, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 4: Provides the analysis of various market segments application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 5: Introduces executive summary of global market size, regional market size,

this section also introduces the market dynamics, latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by companies in the industry, and the analysis of relevant policies in the industry.

Chapter 6: Detailed analysis of Metamaterials companies' competitive landscape, revenue market share, latest development plan, merger, and acquisition information, etc.

Chapter 7, 8, 9, 10, 11: North America, Europe, Asia Pacific, Latin America, Middle East and Africa segment by country. It provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and capacity of each country in the world.

Chapter 12: Provides profiles of key players, introducing the basic situation of the main companies in the market in detail, including product sales, revenue, price, gross margin, product introduction, recent development, etc.

Chapter 13: The main points and conclusions of the report.

Contents

1 PREFACE

- 1.1 Scope of Report
- 1.2 Reasons for Doing This Study
- 1.3 Research Methodology
- 1.4 Research Process
- 1.5 Data Source
 - 1.5.1 Secondary Sources
 - 1.5.2 Primary Sources

2 MARKET OVERVIEW

- 2.1 Product Definition
- 2.2 Metamaterials by Type
 - 2.2.1 Market Value Comparison by Type (2018 VS 2022 VS 2029)
 - 1.2.2 Electromagnetic Metamaterial
 - 1.2.3 Optical Metamaterial
 - 1.2.4 Acoustic Metamaterials
 - 1.2.5 Others (Mechanical Metamaterials)
- 2.3 Metamaterials by Application
 - 2.3.1 Market Value Comparison by Application (2018 VS 2022 VS 2029)
 - 2.3.2 Military and Defense
 - 2.3.3 Communication Antenna
 - 2.3.4 Thermal Imaging
 - 2.3.5 Others
- 2.4 Assumptions and Limitations

3 METAMATERIALS BREAKDOWN DATA BY TYPE

- 3.1 Global Metamaterials Historic Market Size by Type (2018-2023)
- 3.2 Global Metamaterials Forecasted Market Size by Type (2023-2028)

4 METAMATERIALS BREAKDOWN DATA BY APPLICATION

- 4.1 Global Metamaterials Historic Market Size by Application (2018-2023)
- 4.2 Global Metamaterials Forecasted Market Size by Application (2018-2023)

5 GLOBAL GROWTH TRENDS

- 5.1 Global Metamaterials Market Perspective (2018-2029)
- 5.2 Global Metamaterials Growth Trends by Region
 - 5.2.1 Global Metamaterials Market Size by Region: 2018 VS 2022 VS 2029
 - 5.2.2 Metamaterials Historic Market Size by Region (2018-2023)
 - 5.2.3 Metamaterials Forecasted Market Size by Region (2024-2029)
- 5.3 Metamaterials Market Dynamics
 - 5.3.1 Metamaterials Industry Trends
 - 5.3.2 Metamaterials Market Drivers
 - 5.3.3 Metamaterials Market Challenges
 - 5.3.4 Metamaterials Market Restraints

6 MARKET COMPETITIVE LANDSCAPE BY PLAYERS

- 6.1 Global Top Metamaterials Players by Revenue
 - 6.1.1 Global Top Metamaterials Players by Revenue (2018-2023)
 - 6.1.2 Global Metamaterials Revenue Market Share by Players (2018-2023)
- 6.2 Global Metamaterials Industry Players Ranking, 2021 VS 2022 VS 2023
- 6.3 Global Key Players of Metamaterials Head office and Area Served
- 6.4 Global Metamaterials Players, Product Type & Application
- 6.5 Global Metamaterials Players, Date of Enter into This Industry
- 6.6 Global Metamaterials Market CR5 and HHI
- 6.7 Global Players Mergers & Acquisition

7 NORTH AMERICA

- 7.1 North America Metamaterials Market Size (2018-2029)
- 7.2 North America Metamaterials Market Growth Rate by Country: 2018 VS 2022 VS 2029
- 7.3 North America Metamaterials Market Size by Country (2018-2023)
- 7.4 North America Metamaterials Market Size by Country (2024-2029)
- 7.5 United States
- 7.6 Canada

8 EUROPE

- 8.1 Europe Metamaterials Market Size (2018-2029)
- 8.2 Europe Metamaterials Market Growth Rate by Country: 2018 VS 2022 VS 2029

8.3 Europe Metamaterials Market Size by Country (2018-2023)

8.4 Europe Metamaterials Market Size by Country (2024-2029)

7.4 Germany

7.5 France

7.6 U.K.

7.7 Italy

7.8 Russia

7.9 Nordic Countries

9 ASIA-PACIFIC

9.1 Asia-Pacific Metamaterials Market Size (2018-2029)

9.2 Asia-Pacific Metamaterials Market Growth Rate by Country: 2018 VS 2022 VS 2029

9.3 Asia-Pacific Metamaterials Market Size by Country (2018-2023)

9.4 Asia-Pacific Metamaterials Market Size by Country (2024-2029)

8.4 China

8.5 Japan

8.6 South Korea

8.7 Southeast Asia

8.8 India

8.9 Australia

10 LATIN AMERICA

10.1 Latin America Metamaterials Market Size (2018-2029)

10.2 Latin America Metamaterials Market Growth Rate by Country: 2018 VS 2022 VS 2029

10.3 Latin America Metamaterials Market Size by Country (2018-2023)

10.4 Latin America Metamaterials Market Size by Country (2024-2029)

9.4 Mexico

9.5 Brazil

11 MIDDLE EAST & AFRICA

11.1 Middle East & Africa Metamaterials Market Size (2018-2029)

11.2 Middle East & Africa Metamaterials Market Growth Rate by Country: 2018 VS 2022 VS 2029

11.3 Middle East & Africa Metamaterials Market Size by Country (2018-2023)

11.4 Middle East & Africa Metamaterials Market Size by Country (2024-2029)

- 10.4 Turkey
- 10.5 Saudi Arabia
- 10.6 UAE

12 PLAYERS PROFILED

- 11.1 Applied Metamaterials
 - 11.1.1 Applied Metamaterials Company Detail
 - 11.1.2 Applied Metamaterials Business Overview
 - 11.1.3 Applied Metamaterials Metamaterials Introduction
 - 11.1.4 Applied Metamaterials Revenue in Metamaterials Business (2017-2022)
 - 11.1.5 Applied Metamaterials Recent Development
- 11.2 Kymeta
 - 11.2.1 Kymeta Company Detail
 - 11.2.2 Kymeta Business Overview
 - 11.2.3 Kymeta Metamaterials Introduction
 - 11.2.4 Kymeta Revenue in Metamaterials Business (2017-2022)
 - 11.2.5 Kymeta Recent Development
- 11.3 Metamagnetics
 - 11.3.1 Metamagnetics Company Detail
 - 11.3.2 Metamagnetics Business Overview
 - 11.3.3 Metamagnetics Metamaterials Introduction
 - 11.3.4 Metamagnetics Revenue in Metamaterials Business (2017-2022)
 - 11.3.5 Metamagnetics Recent Development
- 11.4 Metamaterial Inc.
 - 11.4.1 Metamaterial Inc. Company Detail
 - 11.4.2 Metamaterial Inc. Business Overview
 - 11.4.3 Metamaterial Inc. Metamaterials Introduction
 - 11.4.4 Metamaterial Inc. Revenue in Metamaterials Business (2017-2022)
 - 11.4.5 Metamaterial Inc. Recent Development
- 11.5 Kuangchi Science
 - 11.5.1 Kuangchi Science Company Detail
 - 11.5.2 Kuangchi Science Business Overview
 - 11.5.3 Kuangchi Science Metamaterials Introduction
 - 11.5.4 Kuangchi Science Revenue in Metamaterials Business (2017-2022)
 - 11.5.5 Kuangchi Science Recent Development
- 11.6 Xi'an Tianhe
 - 11.6.1 Xi'an Tianhe Company Detail
 - 11.6.2 Xi'an Tianhe Business Overview

- 11.6.3 Xi'an Tianhe Metamaterials Introduction
- 11.6.4 Xi'an Tianhe Revenue in Metamaterials Business (2017-2022)
- 11.6.5 Xi'an Tianhe Recent Development
- 11.7 MetaShield LLC.
 - 11.7.1 MetaShield LLC. Company Detail
 - 11.7.2 MetaShield LLC. Business Overview
 - 11.7.3 MetaShield LLC. Metamaterials Introduction
 - 11.7.4 MetaShield LLC. Revenue in Metamaterials Business (2017-2022)
 - 11.7.5 MetaShield LLC. Recent Development
- 11.8 Metaboards Limited
 - 11.8.1 Metaboards Limited Company Detail
 - 11.8.2 Metaboards Limited Business Overview
 - 11.8.3 Metaboards Limited Metamaterials Introduction
 - 11.8.4 Metaboards Limited Revenue in Metamaterials Business (2017-2022)
 - 11.8.5 Metaboards Limited Recent Development
- 11.9 Sonobex
 - 11.9.1 Sonobex Company Detail
 - 11.9.2 Sonobex Business Overview
 - 11.9.3 Sonobex Metamaterials Introduction
 - 11.9.4 Sonobex Revenue in Metamaterials Business (2017-2022)
 - 11.9.5 Sonobex Recent Development
- 11.10 Evolv Technology
 - 11.10.1 Evolv Technology Company Detail
 - 11.10.2 Evolv Technology Business Overview
 - 11.10.3 Evolv Technology Metamaterials Introduction
 - 11.10.4 Evolv Technology Revenue in Metamaterials Business (2017-2022)
 - 11.10.5 Evolv Technology Recent Development
- 11.11 Metasonixx Ltd. (Metasonics)
 - 11.11.1 Metasonixx Ltd. (Metasonics) Company Detail
 - 11.11.2 Metasonixx Ltd. (Metasonics) Business Overview
 - 11.11.3 Metasonixx Ltd. (Metasonics) Metamaterials Introduction
 - 11.11.4 Metasonixx Ltd. (Metasonics) Revenue in Metamaterials Business (2017-2022)
 - 11.11.5 Metasonixx Ltd. (Metasonics) Recent Development
- 11.12 Echodyne
 - 11.12.1 Echodyne Company Detail
 - 11.12.2 Echodyne Business Overview
 - 11.12.3 Echodyne Metamaterials Introduction
 - 11.12.4 Echodyne Revenue in Metamaterials Business (2017-2022)

11.12.5 Echodyne Recent Development

11.13 Pivotal Commware

11.13.1 Pivotal Commware Company Detail

11.13.2 Pivotal Commware Business Overview

11.13.3 Pivotal Commware Metamaterials Introduction

11.13.4 Pivotal Commware Revenue in Metamaterials Business (2017-2022)

11.13.5 Pivotal Commware Recent Development

13 REPORT CONCLUSION

14 DISCLAIMER

List Of Tables

LIST OF TABLES

Table 1. Secondary Sources

Table 2. Primary Sources

Table 3. Market Value Comparison by Type (2018 VS 2022 VS 2029) & (US\$ Million)

Table 4. Market Value Comparison by Application (2018 VS 2022 VS 2029) & (US\$ Million)

Table 5. Global Metamaterials Market Size by Type (2018-2023) & (US\$ Million)

Table 6. Global Metamaterials Revenue Market Share by Type (2018-2023)

Table 7. Global Metamaterials Forecasted Market Size by Type (2024-2029) & (US\$ Million)

Table 8. Global Metamaterials Revenue Market Share by Type (2024-2029)

Table 9. Global Metamaterials Market Size by Application (2018-2023) & (US\$ Million)

Table 10. Global Metamaterials Revenue Market Share by Application (2018-2023)

Table 11. Global Metamaterials Forecasted Market Size by Application (2024-2029) & (US\$ Million)

Table 12. Global Metamaterials Revenue Market Share by Application (2024-2029)

Table 13. Global Metamaterials Market Size by Region (US\$ Million): 2018 VS 2022 VS 2029

Table 14. Global Metamaterials Market Size by Region (2018-2023) & (US\$ Million)

Table 15. Global Metamaterials Market Share by Region (2018-2023)

Table 16. Global Metamaterials Forecasted Market Size by Region (2024-2029) & (US\$ Million)

Table 17. Global Metamaterials Market Share by Region (2024-2029)

Table 18. Metamaterials Market Trends

Table 19. Metamaterials Market Drivers

Table 20. Metamaterials Market Challenges

Table 21. Metamaterials Market Restraints

Table 22. Global Top Metamaterials Manufacturers by Revenue (US\$ Million) & (2018-2023)

Table 23. Global Metamaterials Revenue Market Share by Manufacturers (2018-2023)

Table 24. Global Metamaterials Industry Manufacturers Ranking, 2021 VS 2022 VS 2023

Table 25. Global Key Players of Metamaterials, Headquarters and Area Served

Table 26. Global Metamaterials Manufacturers, Product Type & Application

Table 27. Global Manufacturers Market Concentration Ratio (CR5 and HHI)

Table 28. Global Metamaterials by Manufacturers Type (Tier 1, Tier 2, and Tier 3) &

(based on the Revenue of 2022)

Table 29. Manufacturers Mergers & Acquisitions, Expansion Plans

Table 30. North America Metamaterials Market Growth Rate by Country: 2018 VS 2022 VS 2029 (US\$ Million)

Table 31. North America Metamaterials Market Size by Country (2018-2023) & (US\$ Million)

Table 32. North America Metamaterials Market Size by Country (2024-2029) & (US\$ Million)

Table 33. Europe Metamaterials Market Growth Rate by Country: 2018 VS 2022 VS 2029 (US\$ Million)

Table 34. Europe Metamaterials Market Size by Country (2018-2023) & (US\$ Million)

Table 35. Europe Metamaterials Market Size by Country (2024-2029) & (US\$ Million)

Table 36. Asia-Pacific Metamaterials Market Growth Rate by Country: 2018 VS 2022 VS 2029 (US\$ Million)

Table 37. Asia-Pacific Metamaterials Market Size by Country (2018-2023) & (US\$ Million)

Table 38. Asia-Pacific Metamaterials Market Size by Country (2024-2029) & (US\$ Million)

Table 39. Latin America Metamaterials Market Growth Rate by Country: 2018 VS 2022 VS 2029 (US\$ Million)

Table 40. Latin America Metamaterials Market Size by Country (2018-2023) & (US\$ Million)

Table 41. Latin America Metamaterials Market Size by Country (2024-2029) & (US\$ Million)

Table 42. Middle East & Africa Metamaterials Market Growth Rate by Country: 2018 VS 2022 VS 2029 (US\$ Million)

Table 43. Middle East & Africa Metamaterials Market Size by Country (2018-2023) & (US\$ Million)

Table 44. Middle East & Africa Metamaterials Market Size by Country (2024-2029) & (US\$ Million)

Table 45. Applied Metamaterials Company Detail

Table 46. Applied Metamaterials Business Overview

Table 47. Applied Metamaterials Metamaterials Product

Table 48. Applied Metamaterials Revenue in Metamaterials Business (2017-2022) & (US\$ Million)

Table 49. Applied Metamaterials Recent Development

Table 50. Kymeta Company Detail

Table 51. Kymeta Business Overview

Table 52. Kymeta Metamaterials Product

- Table 53. Kymeta Revenue in Metamaterials Business (2017-2022) & (US\$ Million)
- Table 54. Kymeta Recent Development
- Table 55. Metamagnetics Company Detail
- Table 56. Metamagnetics Business Overview
- Table 57. Metamagnetics Metamaterials Product
- Table 58. Metamagnetics Revenue in Metamaterials Business (2017-2022) & (US\$ Million)
- Table 59. Metamagnetics Recent Development
- Table 60. Metamaterial Inc. Company Detail
- Table 61. Metamaterial Inc. Business Overview
- Table 62. Metamaterial Inc. Metamaterials Product
- Table 63. Metamaterial Inc. Revenue in Metamaterials Business (2017-2022) & (US\$ Million)
- Table 64. Metamaterial Inc. Recent Development
- Table 65. Kuangchi Science Company Detail
- Table 66. Kuangchi Science Business Overview
- Table 67. Kuangchi Science Metamaterials Product
- Table 68. Kuangchi Science Revenue in Metamaterials Business (2017-2022) & (US\$ Million)
- Table 69. Kuangchi Science Recent Development
- Table 70. Xi'an Tianhe Company Detail
- Table 71. Xi'an Tianhe Business Overview
- Table 72. Xi'an Tianhe Metamaterials Product
- Table 73. Xi'an Tianhe Revenue in Metamaterials Business (2017-2022) & (US\$ Million)
- Table 74. Xi'an Tianhe Recent Development
- Table 75. MetaShield LLC. Company Detail
- Table 76. MetaShield LLC. Business Overview
- Table 77. MetaShield LLC. Metamaterials Product
- Table 78. MetaShield LLC. Revenue in Metamaterials Business (2017-2022) & (US\$ Million)
- Table 79. MetaShield LLC. Recent Development
- Table 80. Metaboards Limited Company Detail
- Table 81. Metaboards Limited Business Overview
- Table 82. Metaboards Limited Metamaterials Product
- Table 83. Metaboards Limited Revenue in Metamaterials Business (2017-2022) & (US\$ Million)
- Table 84. Metaboards Limited Recent Development
- Table 85. Sonobex Company Detail
- Table 86. Sonobex Business Overview

- Table 87. Sonobex Metamaterials Product
- Table 88. Sonobex Revenue in Metamaterials Business (2017-2022) & (US\$ Million)
- Table 89. Sonobex Recent Development
- Table 90. Evolv Technology Company Detail
- Table 91. Evolv Technology Business Overview
- Table 92. Evolv Technology Metamaterials Product
- Table 93. Evolv Technology Revenue in Metamaterials Business (2017-2022) & (US\$ Million)
- Table 94. Evolv Technology Recent Development
- Table 95. Metasonixx Ltd. (Metasonics) Company Detail
- Table 96. Metasonixx Ltd. (Metasonics) Business Overview
- Table 97. Metasonixx Ltd. (Metasonics) MetamaterialsProduct
- Table 98. Metasonixx Ltd. (Metasonics) Revenue in Metamaterials Business (2017-2022) & (US\$ Million)
- Table 99. Metasonixx Ltd. (Metasonics) Recent Development
- Table 100. Echodyne Company Detail
- Table 101. Echodyne Business Overview
- Table 102. Echodyne MetamaterialsProduct
- Table 103. Echodyne Revenue in Metamaterials Business (2017-2022) & (US\$ Million)
- Table 104. Echodyne Recent Development
- Table 105. Pivotal Commware Company Detail
- Table 106. Pivotal Commware Business Overview
- Table 107. Pivotal Commware MetamaterialsProduct
- Table 108. Pivotal Commware Revenue in Metamaterials Business (2017-2022) & (US\$ Million)
- Table 109. Pivotal Commware Recent Development
- Table 110. Applied Metamaterials Company Information
- Table 111. Applied Metamaterials Business Overview
- Table 112. Applied Metamaterials Metamaterials Revenue in Metamaterials Business (2018-2023) & (US\$ Million)
- Table 113. Applied Metamaterials Revenue in Metamaterials Business (2018-2023) & (US\$ Million) Portfolio
- Table 114. Applied Metamaterials Recent Development
- Table 115. Kymeta Company Information
- Table 116. Kymeta Business Overview
- Table 117. Kymeta Metamaterials Revenue in Metamaterials Business (2018-2023) & (US\$ Million)
- Table 118. Kymeta Revenue in Metamaterials Business (2018-2023) & (US\$ Million) Portfolio

- Table 119. Kymeta Recent Development
- Table 120. Metamagnetics Company Information
- Table 121. Metamagnetics Business Overview
- Table 122. Metamagnetics Metamaterials Revenue in Metamaterials Business (2018-2023) & (US\$ Million)
- Table 123. Metamagnetics Revenue in Metamaterials Business (2018-2023) & (US\$ Million) Portfolio
- Table 124. Metamagnetics Recent Development
- Table 125. Metamaterial Inc. Company Information
- Table 126. Metamaterial Inc. Business Overview
- Table 127. Metamaterial Inc. Metamaterials Revenue in Metamaterials Business (2018-2023) & (US\$ Million)
- Table 128. Metamaterial Inc. Revenue in Metamaterials Business (2018-2023) & (US\$ Million) Portfolio
- Table 129. Metamaterial Inc. Recent Development
- Table 130. Kuangchi Science Company Information
- Table 131. Kuangchi Science Business Overview
- Table 132. Kuangchi Science Metamaterials Revenue in Metamaterials Business (2018-2023) & (US\$ Million)
- Table 133. Kuangchi Science Revenue in Metamaterials Business (2018-2023) & (US\$ Million) Portfolio
- Table 134. Kuangchi Science Recent Development
- Table 135. Xi'an Tianhe Company Information
- Table 136. Xi'an Tianhe Business Overview
- Table 137. Xi'an Tianhe Metamaterials Revenue in Metamaterials Business (2018-2023) & (US\$ Million)
- Table 138. Xi'an Tianhe Revenue in Metamaterials Business (2018-2023) & (US\$ Million) Portfolio
- Table 139. Xi'an Tianhe Recent Development
- Table 140. MetaShield LLC. Company Information
- Table 141. MetaShield LLC. Business Overview
- Table 142. MetaShield LLC. Metamaterials Revenue in Metamaterials Business (2018-2023) & (US\$ Million)
- Table 143. MetaShield LLC. Revenue in Metamaterials Business (2018-2023) & (US\$ Million) Portfolio
- Table 144. MetaShield LLC. Recent Development
- Table 145. Metaboards Limited Company Information
- Table 146. Metaboards Limited Business Overview
- Table 147. Metaboards Limited Metamaterials Revenue in Metamaterials Business

(2018-2023) & (US\$ Million)

Table 148. Metaboards Limited Revenue in Metamaterials Business (2018-2023) & (US\$ Million) Portfolio

Table 149. Metaboards Limited Recent Development

Table 150. Sonobex Company Information

Table 151. Sonobex Business Overview

Table 152. Sonobex Metamaterials Revenue in Metamaterials Business (2018-2023) & (US\$ Million)

Table 153. Sonobex Revenue in Metamaterials Business (2018-2023) & (US\$ Million) Portfolio

Table 154. Sonobex Recent Development

Table 155. Evolv Technology Company Information

Table 156. Evolv Technology Business Overview

Table 157. Evolv Technology Metamaterials Revenue in Metamaterials Business (2018-2023) & (US\$ Million)

Table 158. Evolv Technology Revenue in Metamaterials Business (2018-2023) & (US\$ Million) Portfolio

Table 159. Evolv Technology Recent Development

Table 160. Metasonixx Ltd. (Metasonics) Company Information

Table 161. Metasonixx Ltd. (Metasonics) Business Overview

Table 162. Metasonixx Ltd. (Metasonics) Metamaterials Revenue in Metamaterials Business (2018-2023) & (US\$ Million)

Table 163. Metasonixx Ltd. (Metasonics) Revenue in Metamaterials Business (2018-2023) & (US\$ Million) Portfolio

Table 164. Metasonixx Ltd. (Metasonics) Recent Development

Table 165. Echodyne Company Information

Table 166. Echodyne Business Overview

Table 167. Echodyne Metamaterials Revenue in Metamaterials Business (2018-2023) & (US\$ Million)

Table 168. Echodyne Revenue in Metamaterials Business (2018-2023) & (US\$ Million) Portfolio

Table 169. Echodyne Recent Development

Table 170. Pivotal Commware Company Information

Table 171. Pivotal Commware Business Overview

Table 172. Pivotal Commware Metamaterials Revenue in Metamaterials Business (2018-2023) & (US\$ Million)

Table 173. Pivotal Commware Revenue in Metamaterials Business (2018-2023) & (US\$ Million) Portfolio

Table 174. Pivotal Commware Recent Development

Table 175. Authors List of This Report

List Of Figures

LIST OF FIGURES

- Figure 1. Research Methodology
- Figure 2. Research Process
- Figure 3. Key Executives Interviewed
- Figure 4. Metamaterials Product Picture
- Figure 5. Global Metamaterials Market Size Comparison by Type (2023-2029) & (US\$ Million)
- Figure 6. Global Metamaterials Market Share by Type: 2022 VS 2029
- Figure 7. Electromagnetic Metamaterial Product Picture
- Figure 8. Optical Metamaterial Product Picture
- Figure 9. Acoustic Metamaterials Product Picture
- Figure 10. Others (Mechanical Metamaterials) Product Picture
- Figure 11. Global Metamaterials Market Size by Application (2023-2029) & (US\$ Million)
- Figure 12. Global Metamaterials Market Share by Application: 2022 VS 2029
- Figure 13. Military and Defense Product Picture
- Figure 14. Communication Antenna Product Picture
- Figure 15. Thermal Imaging Product Picture
- Figure 16. Others Product Picture
- Figure 17. Global Metamaterials Market Size (US\$ Million), Year-over-Year: 2018-2029
- Figure 18. Global Metamaterials Market Size, (US\$ Million), 2018 VS 2022 VS 2029
- Figure 19. Global Metamaterials Market Share by Region: 2022 VS 2029
- Figure 20. Global Metamaterials Market Share by Players in 2022
- Figure 21. Global Metamaterials Players, Date of Enter into This Industry
- Figure 22. Global Top 5 and 10 Metamaterials Players Market Share by Revenue in 2022
- Figure 23. Players Type (Tier 1, Tier 2, and Tier 3): 2018 VS 2022
- Figure 24. North America Metamaterials Market Size YoY Growth (2018-2029) & (US\$ Million)
- Figure 25. North America Metamaterials Market Share by Country (2018-2029)
- Figure 26. United States Metamaterials Market Size YoY Growth (2018-2029) & (US\$ Million)
- Figure 27. Canada Metamaterials Market Size YoY Growth (2018-2029) & (US\$ Million)
- Figure 28. Europe Metamaterials Market Size YoY Growth (2018-2029) & (US\$ Million)
- Figure 29. Europe Metamaterials Market Share by Country (2018-2029)
- Figure 30. Germany Metamaterials Market Size YoY Growth (2018-2029) & (US\$ Million)

- Figure 31. France Metamaterials Market Size YoY Growth (2018-2029) & (US\$ Million)
- Figure 32. U.K. Metamaterials Market Size YoY Growth (2018-2029) & (US\$ Million)
- Figure 33. Italy Metamaterials Market Size YoY Growth (2018-2029) & (US\$ Million)
- Figure 34. Russia Metamaterials Market Size YoY Growth (2018-2029) & (US\$ Million)
- Figure 35. Nordic Countries Metamaterials Market Size YoY Growth (2018-2029) & (US\$ Million)
- Figure 36. Asia-Pacific Metamaterials Market Size YoY Growth (2018-2029) & (US\$ Million)
- Figure 37. Asia-Pacific Metamaterials Market Share by Country (2018-2029)
- Figure 38. China Metamaterials Market Size YoY Growth (2018-2029) & (US\$ Million)
- Figure 39. Japan Metamaterials Market Size YoY Growth (2018-2029) & (US\$ Million)
- Figure 40. South Korea Metamaterials Market Size YoY Growth (2018-2029) & (US\$ Million)
- Figure 41. Southeast Asia Metamaterials Market Size YoY Growth (2018-2029) & (US\$ Million)
- Figure 42. India Metamaterials Market Size YoY Growth (2018-2029) & (US\$ Million)
- Figure 43. Australia Metamaterials Market Size YoY Growth (2018-2029) & (US\$ Million)
- Figure 44. Latin America Metamaterials Market Size YoY Growth (2018-2029) & (US\$ Million)
- Figure 45. Latin America Metamaterials Market Share by Country (2018-2029)
- Figure 46. Mexico Metamaterials Market Size YoY Growth (2018-2029) & (US\$ Million)
- Figure 47. Brazil Metamaterials Market Size YoY Growth (2018-2029) & (US\$ Million)
- Figure 48. Middle East & Africa Metamaterials Market Size YoY Growth (2018-2029) & (US\$ Million)
- Figure 49. Middle East & Africa Metamaterials Market Share by Country (2018-2029)
- Figure 50. Turkey Metamaterials Market Size YoY Growth (2018-2029) & (US\$ Million)
- Figure 51. Saudi Arabia Metamaterials Market Size YoY Growth (2018-2029) & (US\$ Million)
- Figure 52. UAE Metamaterials Market Size YoY Growth (2018-2029) & (US\$ Million)
- Figure 53. Applied Metamaterials Revenue Growth Rate in Metamaterials Business (2018-2023)
- Figure 54. Kymeta Revenue Growth Rate in Metamaterials Business (2018-2023)
- Figure 55. Metamagnetics Revenue Growth Rate in Metamaterials Business (2018-2023)
- Figure 56. Metamaterial Inc. Revenue Growth Rate in Metamaterials Business (2018-2023)
- Figure 57. Kuangchi Science Revenue Growth Rate in Metamaterials Business (2018-2023)

Figure 58. Xi'an Tianhe Revenue Growth Rate in Metamaterials Business (2018-2023)

Figure 59. MetaShield LLC. Revenue Growth Rate in Metamaterials Business (2018-2023)

Figure 60. Metaboards Limited Revenue Growth Rate in Metamaterials Business (2018-2023)

Figure 61. Sonobex Revenue Growth Rate in Metamaterials Business (2018-2023)

Figure 62. Evolv Technology Revenue Growth Rate in Metamaterials Business (2018-2023)

Figure 63. Metasonixx Ltd. (Metasonics) Revenue Growth Rate in Metamaterials Business (2018-2023)

Figure 64. Echodyne Revenue Growth Rate in Metamaterials Business (2018-2023)

Figure 65. Pivotal Commware Revenue Growth Rate in Metamaterials Business (2018-2023)

I would like to order

Product name: Metamaterials Industry Research Report 2023

Product link: <https://marketpublishers.com/r/MCCA82F1B0A9EN.html>

Price: US\$ 2,950.00 (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/MCCA82F1B0A9EN.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