

# Metamaterials Technologies - Global Market Outlook (2017-2026)

<https://marketpublishers.com/r/M9AF3F0BA36EN.html>

Date: July 2019

Pages: 156

Price: US\$ 4,150.00 (Single User License)

ID: M9AF3F0BA36EN

## Abstracts

According to Statistics MRC, the Global Metamaterials Technologies Market is growing at a CAGR of 18.5% during the forecast period. Increase in variety of design functionalities and rising wireless communication services are some of the factors fuelling the market growth. However, the high cost of synthesization of metamaterials is restraining the market growth.

The metamaterial is a material engineered to have a property that is not found in naturally occurring materials. They are made from assemblies of multiple elements fashioned from composite materials such as metals and plastics. The materials are usually arranged in repeating patterns, at scales that are smaller than the wavelengths of the phenomena they influence. Metamaterials derive their properties not from the properties of the base materials, but from their newly designed structures.

Based on the type, the acoustic metamaterials segment has acquired considerable growth during the forecast period due to the product demand for applications in sound frameworks, sonar advances, heat exchangers, soundproofing coatings, vibration-dampers, and thermal insulators. By Geography, Europe is going to have a lucrative growth during the forecast period owing to the increased funding by the European Commission on research and development on the market, mostly in solar and optics applications.

Some of the key players profiled in the Metamaterials Technologies market include Metamagnetics, Medical Wirellessnsing (MediWiSe), Luminus Devices, Kymeta Corporation, Inframat Corporation, Fractal Antenna Systems (FRACTAL), Fianium, Evolv Technology, Echodyne Corporation, Colossal Storage Corporation, Applied EM and Alight Technologies ApS.

**Types Covered:**

Acoustic Metamaterials

Photonic Metamaterials

Radio and Microwave Metamaterials

Terahertz Metamaterials

Other Types

**Applications Covered:**

Acoustic Devices

Communication and Radar

Medical Imaging and Industrial Imaging

Solar

Other Applications

**Regions Covered:**

North America

US

Canada

Mexico

Europe

Germany

UK

Italy

France

Spain

Rest of Europe

Asia Pacific

Japan

China

India

Australia

New Zealand

South Korea

Rest of Asia Pacific

South America

Argentina

Brazil

Chile

Rest of South America

Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

What our report offers:

Market share assessments for the regional and country-level segments

Strategic recommendations for the new entrants

Market forecasts for a minimum of 9 years of all the mentioned segments, sub-segments, and the regional markets

Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)

Strategic analysis: Drivers and Constraints, Product/Technology Analysis, Porter's five forces analysis, SWOT analysis, etc.

Strategic recommendations in key business segments based on the market estimations

Competitive landscaping mapping the key common trends

Company profiling with detailed strategies, financials, and recent developments

Supply chain trends mapping the latest technological advancements

Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

#### Company Profiling

Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

#### Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)

#### Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

## Contents

### **1 EXECUTIVE SUMMARY**

### **2 PREFACE**

- 2.1 Abstract
- 2.2 Stake Holders
- 2.3 Research Scope
- 2.4 Research Methodology
  - 2.4.1 Data Mining
  - 2.4.2 Data Analysis
  - 2.4.3 Data Validation
  - 2.4.4 Research Approach
- 2.5 Research Sources
  - 2.5.1 Primary Research Sources
  - 2.5.2 Secondary Research Sources
  - 2.5.3 Assumptions

### **3 MARKET TREND ANALYSIS**

- 3.1 Introduction
- 3.2 Drivers
- 3.3 Restraints
- 3.4 Opportunities
- 3.5 Threats
- 3.6 Application Analysis
- 3.7 Emerging Markets
- 3.8 Futuristic Market Scenario

### **4 PORTERS FIVE FORCE ANALYSIS**

- 4.1 Bargaining power of suppliers
- 4.2 Bargaining power of buyers
- 4.3 Threat of substitutes
- 4.4 Threat of new entrants
- 4.5 Competitive rivalry

### **5 GLOBAL METAMATERIALS TECHNOLOGIES MARKET, BY TYPE**

- 5.1 Introduction
- 5.2 Acoustic Metamaterials
- 5.3 Photonic Metamaterials
- 5.4 Radio and Microwave Metamaterials
- 5.5 Terahertz Metamaterials
- 5.6 Other Types
  - 5.6.1 Infrared Metamaterials
  - 5.6.2 Ultraviolet (UV) Metamaterials

## **6 GLOBAL METAMATERIALS TECHNOLOGIES MARKET, BY APPLICATION**

- 6.1 Introduction
- 6.2 Acoustic Devices
- 6.3 Communication and Radar
- 6.4 Medical Imaging and Industrial Imaging
- 6.5 Solar
- 6.6 Other Applications
  - 6.6.1 Cloaking Devices
  - 6.6.2 Seismic Protection

## **7 GLOBAL METAMATERIALS TECHNOLOGIES MARKET, BY GEOGRAPHY**

- 7.1 Introduction
- 7.2 North America
  - 7.2.1 US
  - 7.2.2 Canada
  - 7.2.3 Mexico
- 7.3 Europe
  - 7.3.1 Germany
  - 7.3.2 UK
  - 7.3.3 Italy
  - 7.3.4 France
  - 7.3.5 Spain
  - 7.3.6 Rest of Europe
- 7.4 Asia Pacific
  - 7.4.1 Japan
  - 7.4.2 China
  - 7.4.3 India

- 7.4.4 Australia
- 7.4.5 New Zealand
- 7.4.6 South Korea
- 7.4.7 Rest of Asia Pacific
- 7.5 South America
  - 7.5.1 Argentina
  - 7.5.2 Brazil
  - 7.5.3 Chile
  - 7.5.4 Rest of South America
- 7.6 Middle East & Africa
  - 7.6.1 Saudi Arabia
  - 7.6.2 UAE
  - 7.6.3 Qatar
  - 7.6.4 South Africa
  - 7.6.5 Rest of Middle East & Africa

## **8 KEY DEVELOPMENTS**

- 8.1 Agreements, Partnerships, Collaborations and Joint Ventures
- 8.2 Acquisitions & Mergers
- 8.3 New Product Launch
- 8.4 Expansions
- 8.5 Other Key Strategies

## **9 COMPANY PROFILING**

- 9.1 Metamagnetics
- 9.2 Medical Wirelesnsing (MediWiSe)
- 9.3 Luminus Devices
- 9.4 Kymeta Corporation
- 9.5 Inframat Corporation
- 9.6 Fractal Antenna Systems (FRACTAL)
- 9.7 Fianium
- 9.8 Evolv Technology
- 9.9 Echodyne Corporation
- 9.10 Colossal Storage Corporation
- 9.11 Applied EM
- 9.12 Alight Technologies ApS



## List Of Tables

### LIST OF TABLES

- 1 Global Metamaterials Technologies Market Outlook, By Region (2016-2026) (US \$MN)
- 2 Global Metamaterials Technologies Market Outlook, By Type (2016-2026) (US \$MN)
- 3 Global Metamaterials Technologies Market Outlook, By Acoustic Metamaterials (2016-2026) (US \$MN)
- 4 Global Metamaterials Technologies Market Outlook, By Photonic Metamaterials (2016-2026) (US \$MN)
- 5 Global Metamaterials Technologies Market Outlook, By Radio and Microwave Metamaterials (2016-2026) (US \$MN)
- 6 Global Metamaterials Technologies Market Outlook, By Terahertz Metamaterials (2016-2026) (US \$MN)
- 7 Global Metamaterials Technologies Market Outlook, By Other Types (2016-2026) (US \$MN)
- 8 Global Metamaterials Technologies Market Outlook, By Infrared Metamaterials (2016-2026) (US \$MN)
- 9 Global Metamaterials Technologies Market Outlook, By Ultraviolet (UV) Metamaterials (2016-2026) (US \$MN)
- 10 Global Metamaterials Technologies Market Outlook, By Application (2016-2026) (US \$MN)
- 11 Global Metamaterials Technologies Market Outlook, By Acoustic Devices (2016-2026) (US \$MN)
- 12 Global Metamaterials Technologies Market Outlook, By Communication and Radar (2016-2026) (US \$MN)
- 13 Global Metamaterials Technologies Market Outlook, By Medical Imaging and Industrial Imaging (2016-2026) (US \$MN)
- 14 Global Metamaterials Technologies Market Outlook, By Solar (2016-2026) (US \$MN)
- 15 Global Metamaterials Technologies Market Outlook, By Other Applications (2016-2026) (US \$MN)
- 16 Global Metamaterials Technologies Market Outlook, By Cloaking Devices (2016-2026) (US \$MN)
- 17 Global Metamaterials Technologies Market Outlook, By Seismic Protection (2016-2026) (US \$MN)
- 18 North America Metamaterials Technologies Market Outlook, By Country (2016-2026) (US \$MN)
- 19 North America Metamaterials Technologies Market Outlook, By Type (2016-2026)

(US \$MN)

20 North America Metamaterials Technologies Market Outlook, By Acoustic Metamaterials (2016-2026) (US \$MN)

21 North America Metamaterials Technologies Market Outlook, By Photonic Metamaterials (2016-2026) (US \$MN)

22 North America Metamaterials Technologies Market Outlook, By Radio and Microwave Metamaterials (2016-2026) (US \$MN)

23 North America Metamaterials Technologies Market Outlook, By Terahertz Metamaterials (2016-2026) (US \$MN)

24 North America Metamaterials Technologies Market Outlook, By Other Types (2016-2026) (US \$MN)

25 North America Metamaterials Technologies Market Outlook, By Infrared Metamaterials (2016-2026) (US \$MN)

26 North America Metamaterials Technologies Market Outlook, By Ultraviolet (UV) Metamaterials (2016-2026) (US \$MN)

27 North America Metamaterials Technologies Market Outlook, By Application (2016-2026) (US \$MN)

28 North America Metamaterials Technologies Market Outlook, By Acoustic Devices (2016-2026) (US \$MN)

29 North America Metamaterials Technologies Market Outlook, By Communication and Radar (2016-2026) (US \$MN)

30 North America Metamaterials Technologies Market Outlook, By Medical Imaging and Industrial Imaging (2016-2026) (US \$MN)

31 North America Metamaterials Technologies Market Outlook, By Solar (2016-2026) (US \$MN)

32 North America Metamaterials Technologies Market Outlook, By Other Applications (2016-2026) (US \$MN)

33 North America Metamaterials Technologies Market Outlook, By Cloaking Devices (2016-2026) (US \$MN)

34 North America Metamaterials Technologies Market Outlook, By Seismic Protection (2016-2026) (US \$MN)

35 Europe Metamaterials Technologies Market Outlook, By Country (2016-2026) (US \$MN)

36 Europe Metamaterials Technologies Market Outlook, By Type (2016-2026) (US \$MN)

37 Europe Metamaterials Technologies Market Outlook, By Acoustic Metamaterials (2016-2026) (US \$MN)

38 Europe Metamaterials Technologies Market Outlook, By Photonic Metamaterials (2016-2026) (US \$MN)

- 39 Europe Metamaterials Technologies Market Outlook, By Radio and Microwave Metamaterials (2016-2026) (US \$MN)
- 40 Europe Metamaterials Technologies Market Outlook, By Terahertz Metamaterials (2016-2026) (US \$MN)
- 41 Europe Metamaterials Technologies Market Outlook, By Other Types (2016-2026) (US \$MN)
- 42 Europe Metamaterials Technologies Market Outlook, By Infrared Metamaterials (2016-2026) (US \$MN)
- 43 Europe Metamaterials Technologies Market Outlook, By Ultraviolet (UV) Metamaterials (2016-2026) (US \$MN)
- 44 Europe Metamaterials Technologies Market Outlook, By Application (2016-2026) (US \$MN)
- 45 Europe Metamaterials Technologies Market Outlook, By Acoustic Devices (2016-2026) (US \$MN)
- 46 Europe Metamaterials Technologies Market Outlook, By Communication and Radar (2016-2026) (US \$MN)
- 47 Europe Metamaterials Technologies Market Outlook, By Medical Imaging and Industrial Imaging (2016-2026) (US \$MN)
- 48 Europe Metamaterials Technologies Market Outlook, By Solar (2016-2026) (US \$MN)
- 49 Europe Metamaterials Technologies Market Outlook, By Other Applications (2016-2026) (US \$MN)
- 50 Europe Metamaterials Technologies Market Outlook, By Cloaking Devices (2016-2026) (US \$MN)
- 51 Europe Metamaterials Technologies Market Outlook, By Seismic Protection (2016-2026) (US \$MN)
- 52 Asia Pacific Metamaterials Technologies Market Outlook, By Country (2016-2026) (US \$MN)
- 53 Asia Pacific Metamaterials Technologies Market Outlook, By Type (2016-2026) (US \$MN)
- 54 Asia Pacific Metamaterials Technologies Market Outlook, By Acoustic Metamaterials (2016-2026) (US \$MN)
- 55 Asia Pacific Metamaterials Technologies Market Outlook, By Photonic Metamaterials (2016-2026) (US \$MN)
- 56 Asia Pacific Metamaterials Technologies Market Outlook, By Radio and Microwave Metamaterials (2016-2026) (US \$MN)
- 57 Asia Pacific Metamaterials Technologies Market Outlook, By Terahertz Metamaterials (2016-2026) (US \$MN)
- 58 Asia Pacific Metamaterials Technologies Market Outlook, By Other Types

(2016-2026) (US \$MN)

59 Asia Pacific Metamaterials Technologies Market Outlook, By Infrared Metamaterials (2016-2026) (US \$MN)

60 Asia Pacific Metamaterials Technologies Market Outlook, By Ultraviolet (UV) Metamaterials (2016-2026) (US \$MN)

61 Asia Pacific Metamaterials Technologies Market Outlook, By Application (2016-2026) (US \$MN)

62 Asia Pacific Metamaterials Technologies Market Outlook, By Acoustic Devices (2016-2026) (US \$MN)

63 Asia Pacific Metamaterials Technologies Market Outlook, By Communication and Radar (2016-2026) (US \$MN)

64 Asia Pacific Metamaterials Technologies Market Outlook, By Medical Imaging and Industrial Imaging (2016-2026) (US \$MN)

65 Asia Pacific Metamaterials Technologies Market Outlook, By Solar (2016-2026) (US \$MN)

66 Asia Pacific Metamaterials Technologies Market Outlook, By Other Applications (2016-2026) (US \$MN)

67 Asia Pacific Metamaterials Technologies Market Outlook, By Cloaking Devices (2016-2026) (US \$MN)

68 Asia Pacific Metamaterials Technologies Market Outlook, By Seismic Protection (2016-2026) (US \$MN)

69 South America Metamaterials Technologies Market Outlook, By Country (2016-2026) (US \$MN)

70 South America Metamaterials Technologies Market Outlook, By Type (2016-2026) (US \$MN)

71 South America Metamaterials Technologies Market Outlook, By Acoustic Metamaterials (2016-2026) (US \$MN)

72 South America Metamaterials Technologies Market Outlook, By Photonic Metamaterials (2016-2026) (US \$MN)

73 South America Metamaterials Technologies Market Outlook, By Radio and Microwave Metamaterials (2016-2026) (US \$MN)

74 South America Metamaterials Technologies Market Outlook, By Terahertz Metamaterials (2016-2026) (US \$MN)

75 South America Metamaterials Technologies Market Outlook, By Other Types (2016-2026) (US \$MN)

76 South America Metamaterials Technologies Market Outlook, By Infrared Metamaterials (2016-2026) (US \$MN)

77 South America Metamaterials Technologies Market Outlook, By Ultraviolet (UV) Metamaterials (2016-2026) (US \$MN)

- 78 South America Metamaterials Technologies Market Outlook, By Application (2016-2026) (US \$MN)
- 79 South America Metamaterials Technologies Market Outlook, By Acoustic Devices (2016-2026) (US \$MN)
- 80 South America Metamaterials Technologies Market Outlook, By Communication and Radar (2016-2026) (US \$MN)
- 81 South America Metamaterials Technologies Market Outlook, By Medical Imaging and Industrial Imaging (2016-2026) (US \$MN)
- 82 South America Metamaterials Technologies Market Outlook, By Solar (2016-2026) (US \$MN)
- 83 South America Metamaterials Technologies Market Outlook, By Other Applications (2016-2026) (US \$MN)
- 84 South America Metamaterials Technologies Market Outlook, By Cloaking Devices (2016-2026) (US \$MN)
- 85 South America Metamaterials Technologies Market Outlook, By Seismic Protection (2016-2026) (US \$MN)
- 86 Middle East & Africa Metamaterials Technologies Market Outlook, By Country (2016-2026) (US \$MN)
- 87 Middle East & Africa Metamaterials Technologies Market Outlook, By Type (2016-2026) (US \$MN)
- 88 Middle East & Africa Metamaterials Technologies Market Outlook, By Acoustic Metamaterials (2016-2026) (US \$MN)
- 89 Middle East & Africa Metamaterials Technologies Market Outlook, By Photonic Metamaterials (2016-2026) (US \$MN)
- 90 Middle East & Africa Metamaterials Technologies Market Outlook, By Radio and Microwave Metamaterials (2016-2026) (US \$MN)
- 91 Middle East & Africa Metamaterials Technologies Market Outlook, By Terahertz Metamaterials (2016-2026) (US \$MN)
- 92 Middle East & Africa Metamaterials Technologies Market Outlook, By Other Types (2016-2026) (US \$MN)
- 93 Middle East & Africa Metamaterials Technologies Market Outlook, By Infrared Metamaterials (2016-2026) (US \$MN)
- 94 Middle East & Africa Metamaterials Technologies Market Outlook, By Ultraviolet (UV) Metamaterials (2016-2026) (US \$MN)
- 95 Middle East & Africa Metamaterials Technologies Market Outlook, By Application (2016-2026) (US \$MN)
- 96 Middle East & Africa Metamaterials Technologies Market Outlook, By Acoustic Devices (2016-2026) (US \$MN)
- 97 Middle East & Africa Metamaterials Technologies Market Outlook, By

Communication and Radar (2016-2026) (US \$MN)

98 Middle East & Africa Metamaterials Technologies Market Outlook, By Medical Imaging and Industrial Imaging (2016-2026) (US \$MN)

99 Middle East & Africa Metamaterials Technologies Market Outlook, By Solar (2016-2026) (US \$MN)

100 Middle East & Africa Metamaterials Technologies Market Outlook, By Other Applications (2016-2026) (US \$MN)

101 Middle East & Africa Metamaterials Technologies Market Outlook, By Cloaking Devices (2016-2026) (US \$MN)

102 Middle East & Africa Metamaterials Technologies Market Outlook, By Seismic Protection (2016-2026) (US \$MN)

## I would like to order

Product name: Metamaterials Technologies - Global Market Outlook (2017-2026)

Product link: <https://marketpublishers.com/r/M9AF3F0BA36EN.html>

Price: US\$ 4,150.00 (Single User License / Electronic Delivery)

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

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/M9AF3F0BA36EN.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