

# Metamaterials Market - Forecasts from 2017 to 2022

<https://marketpublishers.com/r/M93098EED0AEN.html>

Date: September 2017

Pages: 77

Price: US\$ 3,400.00 (Single User License)

ID: M93098EED0AEN

## Abstracts

The metamaterials market is projected to grow from US\$0.438 billion in 2017 to US\$1.119 billion in 2022, growing at a CAGR of 20.63% over the forecast period. Metamaterials are smart materials that are intrinsically capable of controlling and manipulating light, sound, and other phenomena. They find application in the telecommunication, medical, optics, defense, and solar industries among other applications. The escalating demand for wireless mobile communication is the key driver of global metamaterials market. Rising aging population and increasing cases of chronic diseases are boosting the demand for various medical instruments and devices, thereby impacting the demand for graphene-based metamaterials from medical instrumentation sector. Demand for higher efficiency solar PV cells and high investments by venture capital firms will provide a great opportunity for the expansion of global metamaterials market in the coming years. Furthermore, the demand for metamaterials will also augment in aerospace and defense segment for various applications such as radomes, cloaking devices, and antennas. North America holds the largest market share of global metamaterials market on account of supportive government initiatives and grants, high investment by venture capital firms in startups, and huge defense budget, especially in the U.S. However, factors such as lack of awareness regarding its commercial use and issues faced in mass production will restrain the growth of global metamaterials market over the forecast period.

## Research Methodology

This section of the report presents detailed research methodology for calculating market size and forecasts, secondary data sources used and the primary inputs which were taken for data validation. This section also outlines various segments which have been covered as part of the report.

## Market Dynamics

Comprehensive market dynamics has been analyzed through key market driving factors, challenges to growth and the opportunities which exist for vendors in the current scenario. This section of the report also provides supplier and industry outlook as a whole; key industry, global and regional regulations which are determining the market growth and a brief technological aspect of Metamaterials Market. Complete industry analysis has also been covered by Porter's Five Forces model as a part of this report section.

## Segmentation

Metamaterials Market has been segmented by product, applications, and geography as follows:

### By Product

- Photonic metamaterials
- Radio and microwave metamaterials
- Acoustic metamaterials
- Terahertz metamaterials
- Others

### By Application

- Imaging
- Acoustic Devices
- Communication and Radar Systems
- Solar Panels
- Others

### By Geography

- Americas
  - North America
  - South America
- Europe Middle East and Africa
  - Europe
  - Middle East and Africa
- Asia Pacific

### Market Players

Competitive intelligence section deals with major players in the market, their market shares, growth strategies, products, financials, and recent investments among others. Key industry player profiles as part of this section are Sandvik Materials Technology,

Nanosteel Company, Metamagnetics, Luminus Devices, and Inframat Corporation among other companies.

## Contents

### **1. INTRODUCTION**

### **2. RESEARCH METHODOLOGY**

### **3. EXECUTIVE SUMMARY**

### **4. MARKET DYNAMICS**

- 4.1. Segmentation
- 4.2. Drivers
- 4.3. Restraints
- 4.4. Opportunities
- 4.5. Supplier Outlook
- 4.6. Industry Outlook
- 4.7. Porter's 5 Forces Analysis
- 4.8. Industry Value Chain Analysis

### **5. METAMATERIALS MARKET FORECAST BY PRODUCT (US\$ BILLION)**

- 5.1. Photonic metamaterials
- 5.2. Radio and microwave metamaterials
- 5.3. Acoustic metamaterials
- 5.4. Terahertz metamaterials
- 5.5. Others

### **6. METAMATERIALS MARKET FORECAST BY APPLICATION (US\$ BILLION)**

- 6.1. Imaging
- 6.2. Acoustic Devices
- 6.3. Communication and Radar Systems
- 6.4. Solar Panels
- 6.5. Others

### **7. METAMATERIALS MARKET FORECAST BY GEOGRAPHY (US\$ BILLION)**

- 7.1. Americas
  - 7.1.1. North America

- 7.1.2. South America
- 7.2. Europe Middle East and Africa
  - 7.2.1. Europe
  - 7.2.2. Middle East and Africa
- 7.3. Asia Pacific

## **8. COMPETITIVE INTELLIGENCE**

- 8.1. Market Share Analysis
- 8.2. Investment Analysis
- 8.3. Recent Deals
- 8.4. Strategies of Key Players

## **9. COMPANY PROFILES**

- 9.1. Sandvik Materials Technology
- 9.2. Nanosteel Company
- 9.3. Metamagnetics
- 9.4. Luminus Devices
- 9.5. Inframat Corporation
- 9.6. NKT Photonics
- 9.7. Echodyne Corporation
- 9.8. Alight Technologies
- 9.9. Applied EM
- 9.10. Colossal Storage Corporation

## I would like to order

Product name: Metamaterials Market - Forecasts from 2017 to 2022

Product link: <https://marketpublishers.com/r/M93098EED0AEN.html>

Price: US\$ 3,400.00 (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/M93098EED0AEN.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