

Global 4D Printing Market Outlook 2027

<https://marketpublishers.com/r/GFD1F9D8B99EN.html>

Date: November 2015

Pages: 45

Price: US\$ 1,200.00 (Single User License)

ID: GFD1F9D8B99EN

Abstracts

Four-Dimensional (4D) printing develops materials that alter their properties and behaviours based on external stimuli such as changes in temperature, pressure etc. Four-Dimensional printing, an extension of three-dimensional printing, is superior to conventional manufacturing techniques in terms of performance, efficiency and quality, and can create new products with increased capabilities. Research work is ongoing on the 4D printing technology and is expected to be commercialized by 2019. It is expected that, the 4D market will grow at a CAGR of 40% during 2019-2027.

RNCOS' research study, "Global 4D Printing Market Outlook 2027" analyzes the market dynamics in key segments to draw attention to areas offering immense possibilities for companies to boost their growth. The report studies the market at three levels viz. by material (programmable carbon fibre, programmable wood grain, programmable fabric), by region (North America, Europe, Asia-Pacific) and by application (aerospace industry, military and defense, automotive industry, clothing, construction, healthcare industry and utility). The military and defense sector is expected to be at the forefront of overall growth of the 4D printing market.

We have prepared a detailed section on trends, which are driving the sector, and that can aid readers in designing their business strategies and to provide them with key insights about competition in the market. As with any new technology, the initial implementation cost of 4D printing is an adoption hurdle. In cases where companies are willing to make this investment, product prices tend to be high in order to recover this and other costs incurred and maintain profitability levels in the face of modest production volumes. Thus, the big players like Autodesk, Dassault etc. are involved in this industry. To provide an unbiased outlook of the global 4D printing market to clients, our report also includes the profiles of key industry players with their business overview. The report provides information for readers looking to venture into this industry, and facilitates them to formulate strategies while going for an investment/partnership in the

global 4D printing market.

Contents

1. ANALYST VIEW

2. RESEARCH METHODOLOGY

3. INDUSTRY TRENDS AND DRIVERS

- 3.1 Researches to Develop New Advanced Programmable Material
- 3.2 Increasing Investment from Aerospace and Defense Industry
- 3.3 Advanced Research of 4D in Robotics and Industrial Automation

4. 4D PRINTING MARKET OUTLOOK 2027

- 4.1 By Programmable Material
 - 4.1.1 Programmable Carbon Fibre
 - 4.1.2 Programmable Wood Grain
 - 4.1.3 Programmable Fabric
- 4.2 By Region
 - 4.2.1 North America
 - 4.2.2 Europe
 - 4.2.3 Asia-Pacific
- 4.3 By Applications
 - 4.3.1 Aerospace Industry
 - 4.3.2 Military and Defence
 - 4.3.3 Automotive Industry
 - 4.3.4 Clothing
 - 4.3.5 Construction
 - 4.3.6 Healthcare Industry
 - 4.3.7 Utility

5. COMPETITIVE LANDSCAPE

- 5.1 3D Systems Corporation
- 5.2 Autodesk Inc
- 5.3 Hewlett Packard Corp.
- 5.4 Stratasys Ltd.
- 5.5 Exone Co.
- 5.6 Organovo Holdings Inc.

5.7 Materialise NV

5.8 Dassault Systemes SA

List Of Figures

LIST OF FIGURES:

Figure 4-1: 4D Printing Technology

Figure 4-2: Global - 4D Printing Market (Million US\$), 2019-2027

Figure 4-3: Global - 4D Printing Market by Programmable Material (%), 2019

Figure 4-4: Global - Programmable Carbon Fibre (Million US\$), 2019-2027

Figure 4-5: Global - Programmable Wood Grain (Million US\$), 2019-2027

Figure 4-6: Global - Programmable Fabric (Million US\$), 2019-2027

Figure 4-7: Global - 4D Printing Market by Region (%), 2019

Figure 4-8: North America - 4D Printing Market (Million US\$), 2019-2027

Figure 4-9: Europe - 4D Printing Market (Million US\$), 2019-2027

Figure 4-10: Asia-Pacific - 4D Printing Market (Million US\$), 2019-2027

Figure 4-11: Global - 4D Printing Market in Aerospace Industry (Million US\$),
2019-2027

Figure 4-12: Global - 4D Printing Market in Military and Defense Industry (Million US\$),
2019-2027

I would like to order

Product name: Global 4D Printing Market Outlook 2027

Product link: <https://marketpublishers.com/r/GFD1F9D8B99EN.html>

Price: US\$ 1,200.00 (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/GFD1F9D8B99EN.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