

# Unmanned Composites Market to reach USD 3.8 Billion By 2027 | Reports and Data

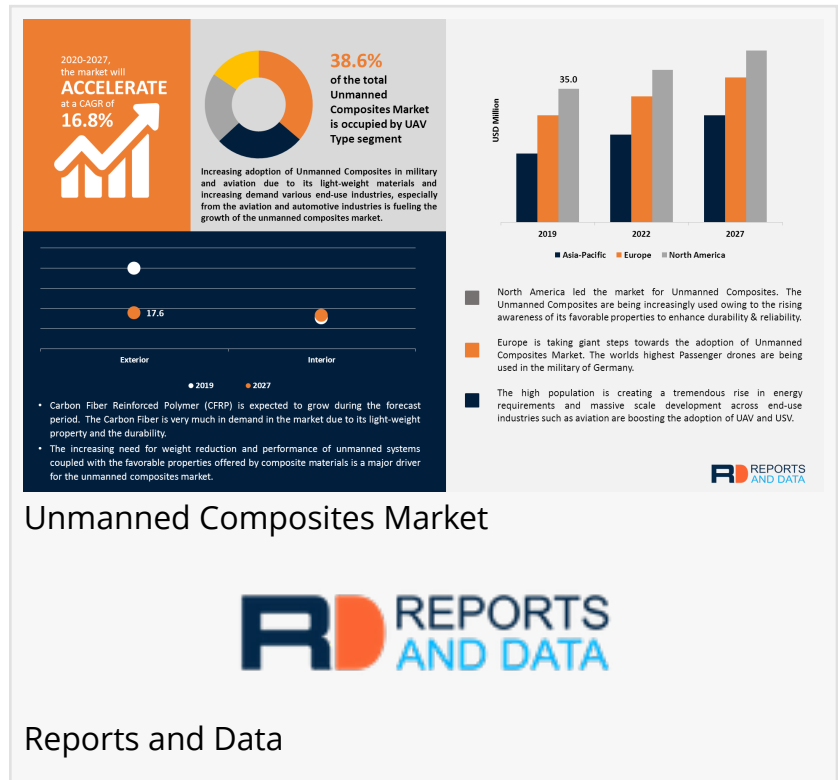
*Unmanned Composites Market Size – USD 1.1 Billion in 2019, Unmanned Composites Market Growth - CAGR of 16.8%*

NEW YORK CITY, NEW YORK, UNITED STATES, March 20, 2020 /EINPresswire.com/ -- According to the current analysis of Reports and Data, the global Unmanned Composites market was valued at USD 1.1 Billion in 2019 and is expected to reach USD 3.8 Billion by the year 2027, at a CAGR of 16.8%.

An unmanned system is a self-piloted or remote machine which is prepared with all the required sensors, data processing centers, automatic control, and also the advanced communication systems. This system is very much capable of performing various operations such as military missions, rescue missions, civilian surveillance, and also used in law enforcement. Based on their application, unmanned systems can be categorized into the Unmanned aerial vehicle (UAV), Unmanned Ground Vehicle (UGV), Unmanned Surface Vehicle (USV), Autonomous Underwater Vehicle (AUV), Remotely Operated Vehicle (ROV), and other few categories. The key objective behind manufacturing them is to derive excellent mechanical properties, durability, and cost-effectiveness with respect to manufacturing and maintenance, without adding any weight. The composite construction is a natural fit for an unmanned system on account of its ability to impart properties such as stiffness and strength while reducing the system's overall weight.

Click to get a [SAMPLE PDF \(Including Full TOC, Table & Figures\)](https://www.reportsanddata.com/sample-enquiry-form/2610) @ <https://www.reportsanddata.com/sample-enquiry-form/2610>

The Unmanned Composites Markets industry is continually reinventing itself with new processes, materials, and products. Unmanned Vehicle components & process companies are investing in new technologies to expand into the global market. A composite, as the name suggests, essentially consists of two or possibly more distinct materials depending on the platform type of the component. The components and the materials could be polymeric, metallic, or ceramic, while the fiber could be made from carbon, boron, glass, or aramid. The unmanned composite materials market can be segmented on the basis of following sectors: Carbon fiber reinforced polymer (CFRP), Glass fiber reinforced polymers (GFRP), Boron fiber-reinforced Polymer (BFRP), and Aramid fiber reinforced Polymers (AFRP). CFRP is the primary composite used in the construction of unmanned systems, particularly UAV airframes. These composites consist of



thermoset resins which are cured when subjected to heating and used along with carbon fiber as a structural component.

They are much lighter than Glass Fiber Reinforced Polymer and stronger than metals. In 2019, The Unmanned Composite materials market has been evolving over the years owing to the subtly lightweight characteristics and properties of Composites. There is an increasing demand for lightweight and electric conductive composites due to its stability and durability. Also, disruptive technologies with respect to UAV play a major role in the future of the Aviation market, particularly in military applications.

The market is expected to rise globally at a moderate rate due to the well-performing industries starting from aviation, automotive, military, marines etc. Major players are identifying countries in the North-America region as high-end technology and light-weight materials are used in the product. As a result, these countries are constantly growing at a rapid pace as manufacturing hubs for many industries. High investments in Aviation, Military and Marines will see increased demand for UAV, UGV, USV and AUV applications and also in CFRP and other materials, thereby increasing the demand for Unmanned Composites Market.

Further key findings from the report suggest

- As of 2019, Carbon Fiber-reinforced Polymer is the leading type segment of the global Unmanned Composites Market. This segment is projected to register the fastest growth with the highest CAGR during the forecast period due to its rising preference in end-use applications
- The North-America region accounted for the most significant market share in 2019. This region is proposed to remain the dominant regional segment with a CAGR of 17.1% during 2020-2027. The European region is the fastest-growing economy, which is projected to drive the global Unmanned Composites Market.
- Key participants include Unitech Aerospace, Toray Industries Inc., Teledyne, Stratasys Ltd., Teijin Ltd., Solvay, Renegade Material Corporation, Quantum Composites, Hexcel Corporation, Carbon by Design

Buy this research study on Cancer Biomarkers Market Report 2016-2026@  
<https://www.reportsanddata.com/checkout-form/2610>

Type (Revenue, USD Million; Volume in Kilo Tons, 2017–2027)

- Carbon Fiber Reinforced Polymer
  - oCarbon Fibre
  - oMatrix
- Glass Fiber Reinforced Polymer
  - oGlass Fibre
  - oMatrix
- Boron Fiber Reinforced Polymer
  - oBoron Fibre
  - oMatrix
- Aramid Fiber Reinforced Polymer
  - oAramid Fibre
  - oMatrix

Platform Type (Revenue, USD Million; Volume in Kilo Tons, 2017–2027)

- UAV
  - oClass II (150-600kg)
  - oClass III (>600kg)
- UGV
  - oMedium (200-500 Lbs.)

- o Large (500-1,000 Lbs.)
- o Very Large (1,000-2,000 Lbs.)
- o Extremely Large (>2,000 Lbs.)
- UAV
- o Small
- o Medium
- o Large
- o Extra Large
- AUV
- o Man-Portable Vehicles
- o Light Weight Vehicles
- o Heavy Weight Vehicles
- o Large Vehicles
- ROV
- o Small Vehicles
- o High Capacity Electric Vehicles
- o Work Class Vehicles
- o Heavy Work Class Vehicles
- Passenger Drones
- Autonomous Ship

Application Type (Revenue, USD Million; Volume in Kilo Tons, 2017–2027)

- Interior
- Exterior

Regional Outlook (Revenue in USD Million; Volume in Kilo Tons, 2017–2027)

- North America
- Europe
- Asia Pacific
- Middle East & Africa
- Latin America

Browse the Complete Report Description and Full TOC@  
<https://www.reportsanddata.com/report-detail/unmanned-composites-market>

## About Reports and Data

Reports and Data is a market research and consulting company that provides syndicated research reports, customized research reports, and consulting services. Our solutions purely focus on your purpose to locate, target and analyze consumer behavior shifts across demographics, across industries and help client's make a smarter business decision. We offer market intelligence studies ensuring relevant and fact-based research across a multiple industries including Healthcare, Technology, Chemicals, Power, and Energy. We consistently update our research offerings to ensure our clients are aware about the latest trends existent in the market. Reports and Data has a strong base of experienced analysts from varied areas of expertise.

Contact Us:

John Watson  
 Head of Business Development  
 Reports And Data | Web: [www.reportsanddata.com](http://www.reportsanddata.com)  
 Direct Line: +1-212-710-1370  
 E-mail: [sales@reportsanddata.com](mailto:sales@reportsanddata.com)

John Watson  
Reports and Data  
+12127101370

[email us here](#)

Visit us on social media:

[Facebook](#)

[Twitter](#)

[LinkedIn](#)

---

This press release can be viewed online at: <http://www.einpresswire.com>

Disclaimer: If you have any questions regarding information in this press release please contact the company listed in the press release. Please do not contact EIN Presswire. We will be unable to assist you with your inquiry. EIN Presswire disclaims any content contained in these releases.  
© 1995-2020 IPD Group, Inc. All Right Reserved.