

Graphene - Global Market Outlook (2020-2028)

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Abstracts

According to Statistics MRC, the Global Graphene Market is accounted for \$620.00 million in 2020 and is expected to reach \$2,848.88 million by 2028 growing at a CAGR of 21.0% during the forecast period. Factors such as increasing consumer electronics demand, growing adoption of renewable energy, and developments in the field of nanotechnology are driving the growth of the market. However, toxic nature of graphene is hampering the growth of the market.

Graphene is a two dimensional carbon allotrope, arranged in a honeycomb crystal lattice due to which it is extremely flexible and much stronger than products like steel and diamond. Graphene is known for its properties such as high mechanical strength, thermal conductivity, barrier properties, lubricating properties, and electrical conductivity which gives a potential to replace existing materials in a wide range of applications.

Based on the type, the graphene oxide (GO) segment is anticipated to expand at a rapid pace during the forecast period owing to its characteristics such as including high thermal and electrical conductivity, permeability, and transparency. By geography, Asia Pacific is going to have high growth during the forecast period which can be attributed to the presence of a large number of manufacturers and consumers for automotive vehicles, electric batteries, and electronics components.

Some of the key players profiled in the Graphene Market include Group Nanoxplore, Inc., Graphenea SA, Nanjing XFNANO Materials Co., Ltd, Haydale Graphene Industries plc, Graphene Nanochem plc, Thomas Swan & Co., Ltd, Vorbeck Materials, BGT Materials Limited, CVD Equipment Corporation, Directa Plus S.p.A, Angstrom Materials, Inc, Perpetuus Advanced Material PLC, AMO GmbH, ACS Material, LLC, and Graphene Laboratories, Inc.

Forms Covered:

Dispersion/ Solution

Powder

Types Covered:

Mono-Layer & Bi-Layer Graphene

Few Layer Graphene (FLG)

Multi-Layer Graphene (MLG)

Bulk Graphene

Graphene Oxide (GO)

Graphene Nano Platelets (GNP)

Graphene Nanoflakes

Reduced Graphene Oxide

Chemical Vapor Deposition (CVD) Graphene Films

Graphene Sheets

Nanoribbons

Graphene Powder

Other Types

Technologies Covered:

Chemical Vapor Deposition

Graphene Exfoliation

Applications Covered:

Composite Materials

Biological Engineering

Energy Storage & Harvesting

Radio Frequency Identification (RFID)

Transparent Electrodes

Integrated Circuits

Structural Materials

Paints, Coatings, and Inks

Batteries

Capacitors and Supercapacitors

Transistors

Sensing and Imaging

Research & Development

Catalyst

Tires

Thermal Management

Photovoltaic Cells/Solar Cells

Polymer Additives

Conductive Films

Data Storage

Computing/Data Processing

Displays

Adhesives

Filtration

Lubricants

End Users Covered:

Electronics and Telecommunication

Military & Defense

Aerospace

Automotive & Transportation

Construction

Water Treatment

Bio-Medical and Healthcare

Chemical Industry

Pharmaceutical Industry

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

Covers Market data for the years 2019, 2020, 2021, 2025, and 2028

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

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

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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)

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Note: Tables for North America, Europe, APAC, South America, and Middle East & Africa Regions are also represented in the same manner as above.

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