

Global Automotive Electronic Market based on component, application, sales channel, and region – Trends & Forecast: 2022–2030

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Abstracts

The size of the worldwide carbon fibre market was estimated at USD 3.07 billion in 2022, growing at a CAGR of 11.9% during that time. Carbon atoms having a diameter of five to ten micrometres are used to create carbon fibre. It also goes by the name graphite fibre. These fibres have stronger chemical resistance, higher strength-to-weight ratio, lower thermal expansion, higher tensile strength, and higher high-temperature tolerance. These characteristics of the carbon-based fibres make them the material of choice for applications in the fields of aerospace, automotive, defence, building, wind turbines, and sports. The demand for lightweight vehicles and automobiles is expected to expand, which would propel the market for carbon fibre. Key elements influencing the market outlook include the demand for fuel-efficient automobiles and stringent regulatory rules addressing carbon emissions.

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