Global Automotive Composite Leaf Springs Market 2016 - 2021

Description: This report studies the global composite leaf springs market in the automotive industry over the period 2010 to 2021. The report provides detailed insights on the market dynamics to enable informed business decision making and growth strategy formulation based on the opportunities present in the market.

The Global Automotive Composite Leaf Springs Market in the Automotive Industry: Highlights

Composite leaf springs offer several benefits over steel leaf springs, such as high durability, greater flexibility, better vibration energy absorption, and fatigue resistance. Composite leaf spring is about five times more durable than similar sized steel leaf springs. The biggest advantage of composite leaf springs is significant weight savings; it is about 1/7th the weight of a steel leaf spring. Composite leaf springs are not new to the automotive industry. Chevrolet Corvette has been using composite leaf springs at both front and rear locations in the transverse position since 1981.

The global automotive composite leaf spring is a niche market but possesses significant growth potential during the forecast period of 2016 to 2021. It is forecasted to grow at an attractive CAGR of 9.3% over the next five years to reach $65.0 million in 2021. Increasing demand of lightweight leaf springs to achieve stringent government regulations of many countries, such as CAFÉ Standards, would be the major growth driver of the composite leaf springs in the automotive industry during the forecast period.

The global automotive composite leaf springs market is segmented on the basis of vehicle type (Passenger Car, Light Commercial vehicle, Medium & heavy Duty Commercial vehicle, and Others). Light commercial vehicle (LCV) is the expected to remain the growth engine of the global composite leaf springs market during the forecast period. Pick-up, van, and SUV are the major LCV types that are using composite leaf springs either on transversal or longitudinal position depending on requirement, vehicle design type, etc. All major OEMs are evaluating the use of composite leaf springs in their major pick-ups, vans, and SUVs.

There are two type of installation for composites leaf springs in a vehicle; transversal and longitudinal. Transversal is the most common installation type for composite leaf springs in the automotive industry. Currently, all major auto models using composite leaf springs, such as Chevrolet Corvette, are using it on transversal-mounted positon. There is very limited use of composite leaf springs on the longitudinal position.

Compression molding is expected to remain the most dominant manufacturing process in the global automotive composite leaf springs market during the forecast period. High Pressure-Resin Transfer Molding (HP-RTM) is likely to experience the fastest growth for the same period, driven by shorter parts cycle time.

Europe is expected to remain the largest market for composite leaf springs over the next five years, driven by increasing use of composite leaf springs in the light commercial vehicles. Asia-Pacific is relatively a small market for composite leaf springs but is expected to experience the fastest growth for the same period.

The supply chain of this market comprises raw materials suppliers, composite leaf spring manufacturers, Automotive OEMs, distributors, and dealers. The key automotive OEMs are Daimler, GM, Volvo, Fiat, Iveco, Peterbilt, Navistar, and Mahindra & Mahindra.

The global composite leaf spring is a highly consolidated market. The key leaf spring manufacturers are Liteflex LLC, IFC Composite, and Benteler-SGL. New product development, capacity expansion and process optimization are the key strategies adopted by the major players to gain competitive edge in the market.

Research Methodology

This report offers high quality insights and is the outcome of detailed research methodology comprising extensive secondary research, rigorous primary interviews with industry stakeholders and validation and triangulation with Stratview Research’s internal database and statistical tools. More than 300 authenticated secondary sources, such as company annual reports, fact book, press release, journals, investor presentation, white papers, patents, and articles are leveraged to gather the data. More than 8 detailed primary interviews with the market players across the value chain in all the four regions and industry
experts are usually executed to obtain both the qualitative and quantitative insights.

Report Features

This report provides market intelligence in the most comprehensive way. The report structure has been kept such that it offers maximum business value. It provides critical insights on the market dynamics and will enable strategic decision making for the existing market players as well as those willing to enter the market. The following are the key features of the report:

Market structure: Overview, industry life cycle analysis, supply chain analysis.

- Market environment analysis: Growth drivers and constraints, Porter’s five forces analysis, SWOT analysis.
- Market trend and forecast analysis.
- Market segment trend and forecast.
- Competitive landscape and dynamics: Market share, product portfolio, product launches, etc.
- Attractive market segments and associated growth opportunities.
- Emerging trends.
- Strategic growth opportunities for the existing and new players.
- Key success factors.
- The composite leaf springs market in the automotive industry is segmented into the following categories

Global Composite Leaf Springs Market in the Automotive Industry by Vehicle Type:

- Passenger Car (Regional Analysis: North America, Europe, Asia-Pacific, and Rest of the World)
- Light Duty Vehicles (Regional Analysis: North America, Europe, Asia-Pacific, and Rest of the World)
- Medium & Heavy Duty Vehicles (Regional Analysis: North America, Europe, Asia-Pacific, and Rest of the World)
- Others (Regional Analysis: North America, Europe, Asia-Pacific, and Rest of the World)

Global Composite Leaf Springs Market in the Automotive Industry by Installation Type:

- Transversal (Regional Analysis: North America, Europe, Asia-Pacific, and Rest of the World)
- Longitudinal (Regional Analysis: North America, Europe, Asia-Pacific, and Rest of the World)

Global Composite Leaf Springs Market in the Automotive Industry by Manufacturing Process:

- Compression Molding
- Prepreg Layup
- Others

Global Composite Leaf Springs Market in the Automotive Industry by Location:

- Front (Regional Analysis: North America, Europe, Asia-Pacific, and Rest of the World)
- Rear (Regional Analysis: North America, Europe, Asia-Pacific, and Rest of the World)

Global Leaf Springs Market in the Automotive Industry by Region:

- North America (Country Analysis: US, Canada, and Mexico)
- Europe (Country Analysis: Germany, Spain, United Kingdom, Italy, and Rest of the Europe)
- Asia-Pacific (Country Analysis: China, Japan, South Korea, India, and Rest of the Asia-Pacific)
- Rest of the World (Country Analysis: Brazil, Argentina, and Others)

Contents:

1. Executive Summary
2. Composite Leaf Springs Overview and Market Forces
   2.1. Introduction
   2.2. Market Classification
      2.2.1. By Vehicle Type
      2.2.2. By Installation Type
      2.2.3. By Location Type
      2.2.4. By Manufacturing Process Type
      2.2.5. By Region
2.3. Market Drivers
2.4. Market Constraints
2.5. Supply Chain Analysis
2.6. Industry Life Cycle Analysis
2.7. PEST Analysis: Impact Assessment of Changing Business Environment
2.8. Porter Five Forces Analysis
2.8.1. Bargaining Power of Suppliers
2.8.2. Bargaining Power of Customers
2.8.3. Threat of New Entrants
2.8.4. Threat of Substitutes
2.8.5. Competitive Rivalry
2.9. SWOT Analysis

3. Global Automotive Composite Leaf Springs Market - By Vehicle Type
3.1. Strategic Insights
3.2. Passenger Car: Composite Leaf Spring Market Trend and Forecast (In US$ Million and Thousand Units)
3.2.1. Passenger Car: Composite Leaf Springs Market Trend and Forecast, by Region (In US$ Million and Thousand Units)
3.3. Light Duty Vehicle (LCV): Composite Leaf Spring Market Trend and Forecast (In US$ Million and Thousand Units)
3.3.1. LCV: Composite Leaf Springs Market Trend and Forecast, by Region (In US$ Million and Thousand Units)
3.4. Medium & Heavy Duty Vehicle (M&HCV) Composite Leaf Spring Market Trend and Forecast (In US$ Million and Thousand Units)
3.4.1. M&HCV: Composite Leaf Springs Market Trend and Forecast, by Region (In US$ Million and Thousand Units)
3.5. Others Composite Leaf Spring Market Trend and Forecast (In US$ Million and Thousand Units)
3.5.1. Others: Composite Leaf Springs Market Trend and Forecast, by Region (In US$ Million and Thousand Units)

4. Global Automotive Composite Leaf Springs Market - By Installation Type
4.1. Strategic Insights
4.2. Transversal Composite Leaf Spring Market Trend and Forecast (In US$ Million and Thousand Units)
4.2.1. Transversal Composite Leaf Springs Market Trend and Forecast, by Region (US$ Million and Thousand Units)
4.3. Longitudinal Composite Leaf Spring Market Trend and Forecast (In US$ Million and Thousand Units)
4.3.1. Longitudinal Composite Leaf Springs Market Trend and Forecast, by Region (In US$ Million and Thousand Units)

5. Global Automotive Composite Leaf Springs Market - By Location Type
5.1. Strategic Insights
5.2. Front Axle based Composite Leaf Springs Market Trend and Forecast (In US$ Million and thousand Units)
5.2.1. Front Axles based Composite Leaf Springs Market Trend and Forecast, by Region (US$ Million and Thousand Units)
5.3. Rear Axle based Composite Leaf Springs Market Trend and Forecast (In US$ Million and Thousand Units)
5.3.1. Rear Axles based Composite Leaf Springs Market Trend and Forecast, by Region (In US$ Million and Thousand Units)

6. Global Automotive Composite Leaf Springs Market - By Manufacturing Process Type
6.1. Strategic Insights
6.2. Compression Molding: Automotive Composite Leaf Springs Market Trend and Forecast (US$ Million and Thousand Units)
6.4. HP-RTM: Automotive Composite Leaf Springs Market Trend and Forecast (US$ Million and Thousand Units)

7. Global Automotive Composite Leaf Springs Market - By Region
7.1. Strategic Insights
7.2. North America's Automotive Composite Leaf Springs Market Trend and Forecast (In US$ Million and Thousand Units)
7.2.1. Country Analysis
7.2.1.1. USA: Automotive Composite Leaf Springs Market Trend and Forecast (In US$ Million and Thousand Units)
7.2.1.2. Canada: Automotive Composite Leaf Springs Market Trend and Forecast (In US$ Million and Thousand Units)
7.2.1.3. Mexico: Automotive Composite Leaf Springs Market Trend and Forecast (In US$ Million and Thousand Units)
7.2.2. Vehicle Type Analysis
7.2.2.1. North American Automotive Composite Leaf Springs Market Trend and Forecast by Vehicle Type (In US$ Million and Thousand Units)
7.2.3. Installation Type Analysis
7.2.3.1. North American Automotive Composite Leaf Springs Market Trend and Forecast by Installation Type (In US$ Million and Thousand Units)
7.2.4. Location Type Analysis
7.2.4.1. North American Automotive Composite Leaf Springs Market Trend and Forecast by Location Type (US$ Million and Thousand Units)
7.3. Europe's Automotive Composite Leaf Springs Market Trend and Forecast (In US$ Million and Thousand Units)
7.3.1. Country Analysis
7.3.1.1. Germany: Automotive Composite Leaf Springs Market Trend and Forecast (In US$ Million and Thousand Units)
7.3.1.2. Spain: Automotive Composite Leaf Springs Market Trend and Forecast (In US$ Million and Thousand Units)
7.3.1.3. UK: Automotive Composite Leaf Springs Market Trend and Forecast (In US$ Million and Thousand Units)
7.3.1.4. Italy: Automotive Composite Leaf Springs Market Trend and Forecast (In US$ Million and Thousand Units)
7.3.1.5. Russia: Automotive Composite Leaf Springs Market Trend and Forecast (In US$ Million and Thousand Units)
7.3.1.6. Rest of the Europe: Automotive Composite Leaf Springs Market Trend and Forecast (In US$ Million and Thousand Units)
7.3.2. Vehicle Type Analysis
7.3.2.1. European Automotive Composite Leaf Springs Market Trend and Forecast by Vehicle Type (US$ Million and Thousand Units)
7.3.3. Installation Type Analysis
7.3.3.1. European Automotive Composite Leaf Springs Market Trend and Forecast by Installation Type (US$ Million and Thousand Units)
7.3.4. Location Type Analysis
7.3.4.1. European Automotive Composite Leaf Springs Market Trend and Forecast by Location Type (US$ Million and Thousand Units)
7.4. Asia - Pacific's Automotive Composite Leaf Springs Market Trend and Forecast (In US$ Million and Thousand Units)
7.4.1. Country Analysis
7.4.1.1. China: Automotive Composite Leaf Springs Market Trend and Forecast (In US$ Million and Thousand Units)
7.4.1.2. Japan: Automotive Composite Leaf Springs Market Trend and Forecast (In US$ Million and Thousand Units)
7.4.1.3. South Korea: Automotive Composite Leaf Springs Market Trend and Forecast (In US$ Million and Thousand Units)
7.4.1.4. India: Automotive Composite Leaf Springs Market Trend and Forecast (In US$ Million and Thousand Units)
7.4.1.5. Rest of the Asia-Pacific: Automotive Composite Leaf Springs Market (In US$ Million and Thousand Units)
7.4.2. Vehicle Type Analysis
7.4.2.1. Asia-Pacific's Automotive Composite Leaf Springs Market Trend and Forecast by Vehicle Type (In US$ Million and Thousand Units)
7.4.3. Installation Type Analysis
7.4.3.1. Asia-Pacific's Automotive Composite Leaf Springs Market Trend and Forecast by Installation Type (In US$ Million and Thousand Units)
7.4.4. Location Type Analysis
7.4.4.1. Asia-Pacific's Automotive Composite Leaf Springs Market Trend and Forecast by Location Type (In US$ Million and Thousand Units)
7.5. Rest of the World's (RoW) Automotive Composite Leaf Springs Market Trend and Forecast (In US$ Million and Thousand Units)
7.5.1. Country Analysis
7.5.1.1. Brazil: Automotive Composite Leaf Springs Market Trend and Forecast (US$ Million and Thousand Units)
7.5.1.2. Argentina: Automotive Composite Leaf Springs Market Trend and Forecast (US$ Million and Thousand Units)
7.5.1.3. RoW excluding Brazil and Argentina: Automotive Composite Leaf Springs Market Trend and Forecast (US$ Million and Thousand Units)
7.5.2. Vehicle Type Analysis
7.5.2.1. RoW Automotive Composite Leaf Springs Market Trend and Forecast by Vehicle Type (In US$ Million and Thousand Units)
7.5.3. Installation Type Analysis
7.5.3.1. RoW Automotive Composite Leaf Springs Market Trend and Forecast by Installation Type (In US$ Million and Thousand Units)
7.5.4. Location Type Analysis
7.5.4.1. RoW Automotive Composite Leaf Springs Market Trend and Forecast by Location Type (In US$ Million and Thousand Units)

8. Competitive Analysis
8.1. Strategic Insights
8.2. Product Portfolio Analysis
8.3. Presence by Automotive Segment
8.4. Geographical Presence
8.5. New Product Launches
8.6. Mergers and Acquisitions
8.7. Market Share Analysis

9. Strategic Growth Opportunities
9.1. Strategic Insights
9.2. Market Attractive Analysis
9.2.1. Market Attractiveness by Vehicle Type
9.2.2. Market Attractiveness by Installation Type
9.2.3. Market Attractiveness by Manufacturing Process
9.2.4. Market Attractiveness by Spring Location
9.2.5. Market Attractiveness by Region
9.2.6. Market Attractiveness by Country
9.3. Emerging Trends
9.4. Key Success Factors
9.5. Growth Matrix Analysis

10. Company Profile of Key Players
10.1. ARC Industries
10.2. Benteler SGL
10.3. Flex-Form
10.4. Hendrickson International
10.5. HyperCo
10.6. IFC Composite
10.7. LiteFlex, LLC
10.8. Mubea Fahrwerkstechnologien GmbH

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