

Automotive Lighting Technology Industry And Market

Automotive industry

The automotive industry comprises a wide range of companies and organizations involved in the design, development, manufacturing, marketing, selling,

The automotive industry comprises a wide range of companies and organizations involved in the design, development, manufacturing, marketing, selling, repairing, and modification of motor vehicles. It is one of the world's largest industries by revenue (from 16% such as in France up to 40% in countries such as Slovakia).

The word automotive comes from the Greek autos (self), and Latin motivus (of motion), referring to any form of self-powered vehicle. This term, as proposed by Elmer Sperry (1860–1930), first came into use to describe automobiles in 1898.

Automotive industry in Italy

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The automotive industry in Italy is a large employer in the country, it had over 2,131 firms and employed almost 250,000 people in 2006. Italy's automotive industry is best known for its automobile designs and small city cars, sports and supercars. The automotive industry makes a contribution of 8.5% to Italian GDP.

Italy is one of the significant automobile producers both in Europe and around the world.

Today the Italian automotive industry is almost totally dominated by Stellantis (formerly called Fiat Group); in 2001 over 90% of vehicles were produced by it. As well as its own, predominantly mass market model range, Stellantis owns the mainstream Fiat brand, the upmarket Alfa Romeo and Lancia brands, and the exotic Maserati brand.

Cooper Industries

portfolio rationalization, reducing its exposure to more cyclical industries such as automotive and petroleum. Ultimately, Cooper emerged focused on the two business

Cooper Industries was an American worldwide electrical products manufacturer headquartered in Houston, Texas. Founded in 1833, the company had seven operating divisions including Bussmann electrical and electronic fuses; Crouse-Hinds and CEAG explosion-proof electrical equipment; Halo and Metalux lighting fixtures; and Kyle and McGraw-Edison power systems products.

In 2011, 59% of total sales were to customers in the industrial and utility end-markets and 40% of total sales were to customers outside the United States. Cooper has manufacturing facilities in 23 countries as of 2011.

On November 26, 2012, it was announced that the company will be replaced in the S&P 500 index, since its takeover by Eaton Corporation.

Automotive engineering

24, 2006). "Trends, technology roadmaps and strategic market analysis of vehicle safety systems in europe". International Automotive Electronics Congress

Automotive engineering, along with aerospace engineering and naval architecture, is a branch of vehicle engineering, incorporating elements of mechanical, electrical, electronic, software, and safety engineering as applied to the design, manufacture and operation of motorcycles, automobiles, and trucks and their respective engineering subsystems. It also includes modification of vehicles. Manufacturing domain deals with the creation and assembling the whole parts of automobiles is also included in it. The automotive engineering field is research intensive and involves

direct application of mathematical models and formulas. The study of automotive engineering is to design, develop, fabricate, and test vehicles or vehicle components from the concept stage to production stage. Production, development...

Xiaolong Automotive Technologies Co., Ltd

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Xiaolong Automotive Technologies Co., Ltd, also known as Wulan Xiaolong Automotive Technologies Co., Ltd, is a Chinese tactical wheeled vehicle manufacturer based in Changfu New City, Caidian, Wuhan, China. Xiaolong Automobile started independent research and development in 1998 and established a facility in 2006 for research and development. Xiaolong Automobile has been exported to Africa, the Middle East, South America, Southeast Asia and other international markets in batches. Special industries such as domestic oil exploration, forest fire prevention, emergency rescue and disaster relief have also begun to use Xiaolong vehicles.

Lighting

traditionally been rated and marketed primarily in terms of their power consumption, expressed in watts, proliferation of lighting technology beyond the incandescent

Lighting or illumination is the deliberate use of light to achieve practical or aesthetic effects. Lighting includes the use of both artificial light sources like lamps and light fixtures, as well as natural illumination by capturing daylight. Daylighting (using windows, skylights, or light shelves) is sometimes used as the main source of light during daytime in buildings. This can save energy in place of using artificial lighting, which represents a major component of energy consumption in buildings. Proper lighting can enhance task performance, improve the appearance of an area, or have positive psychological effects on occupants.

Indoor lighting is usually accomplished using light fixtures, and is a key part of interior design. Lighting can also be an intrinsic component of landscape projects...

Osram

used in general lighting, automotive, consumer, and industrial applications as well as infrared, laser and optical sensors. The main market for these components

OSRAM Licht AG is a German company that makes electric lights, headquartered in Munich and Premstätten (Austria). OSRAM positions itself as a high-tech photonics company that is increasingly focusing on sensor technology, visualization and treatment by light. The company serves customers in the consumer, automotive, healthcare and industrial technology sectors. The operating company of OSRAM is OSRAM GmbH.

Osram was founded in 1919 by the merger of the lighting businesses of Auergesellschaft, Siemens & Halske and Allgemeine Elektrizitäts-Gesellschaft (AEG). Osram was a wholly owned subsidiary of Siemens AG from 1978 to 2013. On 5 July 2013, Osram was spun off from Siemens, and the listing of its stock began on Frankfurt Stock Exchange on 8 July 2013. Osram's business with conventional light...

Automotive design

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Automotive design is the process of developing the appearance (and to some extent the ergonomics) of motor vehicles, including automobiles, motorcycles, trucks, buses, coaches, and vans.

The functional design and development of a modern motor vehicle is typically done by a large team from many different disciplines also included within automotive engineering, however, design roles are not associated with requirements for professional- or chartered-engineer qualifications. Automotive design in this context focuses primarily on developing the visual appearance or aesthetics of vehicles, while also becoming involved in the creation of product concepts. Automotive design as a professional vocation is practiced by designers who may have an art background and a degree in industrial design or in transportation...

Automotive lighting

Automotive lighting is functional exterior lighting in vehicles. A motor vehicle has lighting and signaling devices mounted to or integrated into its

Automotive lighting is functional exterior lighting in vehicles. A motor vehicle has lighting and signaling devices mounted to or integrated into its front, rear, sides, and, in some cases, top. Various devices have the dual function of illuminating the road ahead for the driver, and making the vehicle visible to others, with indications to them of turning, slowing or stopping, etc., with lights also indicating the size of some large vehicles.

Many emergency vehicles have distinctive lighting equipment to warn drivers of their presence.

Lucas Industries

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Based originally in Birmingham, the company grew over the years into a manufacturer and supplier of automotive industry and aerospace industry components to vehicle and aerospace manufacturers around the world.

Lucas continues to operate as a recognised brand in the automotive aftermarket, with products manufactured and distributed under exclusive agreements with international partners. Lucas products are distributed internationally, with manufacturing plants located in Europe, South America, Tunisia, China, and other areas.

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