

Global Automobile Inductive Encoder Market Growth 2026-2032

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Abstracts

The global Automobile Inductive Encoder market size is predicted to grow from US\$ 99 million in 2025 to US\$ 134 million in 2032; it is expected to grow at a CAGR of 3.4% from 2026 to 2032.

In 2025, global production of automotive inductive encoders reached 1.1918 million units, with an average selling price of \$85 per unit. The global annual production capacity for automotive inductive encoders was approximately 1.5 million units, with a gross profit margin of approximately 26.2%. An automotive inductive encoder is a position and/or speed sensing device used in automotive systems. It operates based on the principle of induction (electromagnetism); when a mechanical target moves, the encoder's electrical response (e.g., inductance or inductive signal) changes. The sensor outputs an electrical signal (typically processed in pulse or digital format), which the vehicle controller uses to calculate rotation angle, position, or speed to achieve functions such as steering or motor control. The upstream of the automotive inductive encoder industry chain includes electronic and magnetic materials, enameled wire, and ADC/MCU, while the midstream consists of automotive inductive encoder manufacturers, and the downstream mainly comprises the commercial vehicle and passenger vehicle industries.

United States market for Automobile Inductive Encoder is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

China market for Automobile Inductive Encoder is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Europe market for Automobile Inductive Encoder is estimated to increase from US\$

million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key Automobile Inductive Encoder players cover POSIC, Turck, Onsemi, Semiment Technology, AMO Automatisierung Messtechnik Optik, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2025.

LP Information, Inc. (LPI) ' newest research report, the "Automobile Inductive Encoder Industry Forecast" looks at past sales and reviews total world Automobile Inductive Encoder sales in 2025, providing a comprehensive analysis by region and market sector of projected Automobile Inductive Encoder sales for 2026 through 2032. With Automobile Inductive Encoder sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Automobile Inductive Encoder industry.

This Insight Report provides a comprehensive analysis of the global Automobile Inductive Encoder landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Automobile Inductive Encoder portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Automobile Inductive Encoder market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Automobile Inductive Encoder and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Automobile Inductive Encoder.

This report presents a comprehensive overview, market shares, and growth opportunities of Automobile Inductive Encoder market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Rotary Inductive Encoder

Linear Inductive Encoder

Segmentation by Output Signal:

Incremental

Absolute

Segmentation by Structural Form:

Planar

Cylindrical

Segmentation by Application:

Commercial Vehicles

Passenger Vehicles

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

POSIC

Turck

Onsemi

Semiment Technology

AMO Automatisierung Messtechnik Optik

Texas Instruments

SENSNA

Gongwang Electronics

Mosrac

Key Questions Addressed in this Report

What is the 10-year outlook for the global Automobile Inductive Encoder market?

What factors are driving Automobile Inductive Encoder market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Automobile Inductive Encoder market opportunities vary by end market size?

How does Automobile Inductive Encoder break out by Type, by Application?

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