

Global Automobile Inductive Encoder Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Automobile Inductive Encoder market size is expected to reach \$ 139 million by 2032, rising at a market growth of 3.2% CAGR during the forecast period (2026-2032).

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.

This report studies the global Automobile Inductive Encoder production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Automobile Inductive Encoder and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Automobile Inductive Encoder that

contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Automobile Inductive Encoder total production and demand, 2021-2032, (K Units)

Global Automobile Inductive Encoder total production value, 2021-2032, (USD Million)

Global Automobile Inductive Encoder production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global Automobile Inductive Encoder consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Automobile Inductive Encoder domestic production, consumption, key domestic manufacturers and share

Global Automobile Inductive Encoder production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global Automobile Inductive Encoder production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Automobile Inductive Encoder production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Automobile Inductive Encoder market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include POSIC, Turck, Onsemi, Semiment Technology, AMO Automatisierung Messtechnik Optik, Texas Instruments, SENSNA, Gongwang Electronics, Mosrac, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Automobile Inductive Encoder market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Automobile Inductive Encoder Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Automobile Inductive Encoder Market, Segmentation by Type:

Rotary Inductive Encoder

Linear Inductive Encoder

Global Automobile Inductive Encoder Market, Segmentation by Output Signal:

Incremental

Absolute

Global Automobile Inductive Encoder Market, Segmentation by Structural Form:

Planar

Cylindrical

Global Automobile Inductive Encoder Market, Segmentation by Application:

Commercial Vehicles

Passenger Vehicles

Companies Profiled:

POSIC

Turck

Onsemi

Semiment Technology

AMO Automatisierung Messtechnik Optik

Texas Instruments

SENSNA

Gongwang Electronics

Mosrac

Key Questions Answered:

1. How big is the global Automobile Inductive Encoder market?
2. What is the demand of the global Automobile Inductive Encoder market?
3. What is the year over year growth of the global Automobile Inductive Encoder market?
4. What is the production and production value of the global Automobile Inductive Encoder market?
5. Who are the key producers in the global Automobile Inductive Encoder market?
6. What are the growth factors driving the market demand?

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