

# Industrial Power Transmission Market Set To Hit USD 12.91 Billion 2032, to Grow at a CAGR of 3% 2025-2032

*Industrial Power Transmission Market is expected to reach US\$ 12.91 Bn. in 2032 from US\$ 10.19 Bn. in 2024.*

WILMINGTON, DE, UNITED STATES, June 25, 2025 /EINPresswire.com/ -- Stellar Market Research examines the growth rate of the [Industrial Power Transmission Market](#) during the forecasted period 2025-2032

The Industrial Power Transmission Market is projected to grow at a compound annual growth rate (CAGR) of approximately 3% over the forecast

period. The Industrial Power Transmission Market was valued at USD 10.19 billion in 2024 and is expected to reach USD 12.91 billion by 2032. The global industrial power transmission market experiences growth and innovation because of rising industrial automation together with manufacturing expansion as well as energy efficiency focus and renewable energy demand and technological progress and infrastructure development and expanding automotive sectors.

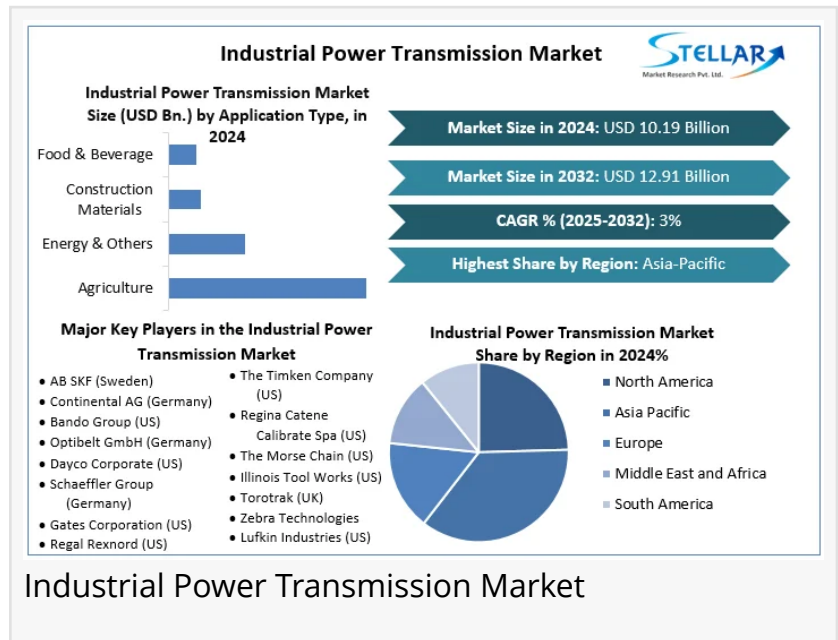


Industrial power transmission links innovation with performance, enabling industries to operate smoothly, efficiently, and sustainably in a rapidly evolving world."

*Navneet Kaur*

## Industrial Power Transmission Market Overview

The Industrial Power Transmission Market produces components such as gears, belts, chains together with couplings that perform mechanical power transmission across machinery. The market expands because industrial automation increases while manufacturing expands and energy-efficient products become more popular. The market receives additional support from technological



developments and sector adoption within automotive, renewable energy and construction

industries. The worldwide infrastructure development along with modernization efforts create continuous opportunities for market growth. The market functions as an essential element of industrial operations since it delivers effective and dependable precise mechanical energy transmission.

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## Industrial Power Transmission Market Dynamics

### Drivers

#### Rising Industrial Automation

Modern manufacturing facilities require dependable power transmission systems with exact specifications because rising industrial automation continues to grow. The market experiences growth because of Industry 4.0 together with motion control improvements and energy efficiency goals. The market expansion and technological progress in automated industrial operations worldwide is demonstrated by Siemens' recent smart grid technology acquisitions and investments.

#### Growth in Renewable Energy Sector

The expansion of renewable power sources especially wind and solar creates a rising need for advanced power transmission systems that include high-performance gearboxes. Germany together with the UK and India channel funds into grid modernization efforts that promote effective renewable power integration. The market experiences growth through these developments because they guarantee dependable energy conversion and transmission which supports worldwide progress toward sustainable power.

#### Automotive and Transportation Industry Growth

The increasing popularity of electric vehicles together with commercial vehicles and railways creates a market need for power transmission solutions that improve operational effectiveness. The power transmission industry has made progress through lightweight eAxles and 48V electrical systems and wireless EV charging solutions. The combination of modern transmission technology investments with electrification initiatives drives worldwide growth in the power transmission sector while advancing sustainable transportation methods.

### Restrain

#### Growing Preference for Integrated Electric Systems

The electric vehicle and smart automation industries experience a rising trend toward integrated electric drive systems that unite all components including motors with inverters and controls into compact units. This reduces reliance on traditional mechanical transmission. Automakers like GM, Hyundai, and BYD are adopting such systems, limiting future demand for standalone components and reshaping the industrial power transmission market.

## Innovations and Developments

Technological innovation is a key factor propelling the Industrial Power Transmission Market forward. Notable advancements include:

**Smart and Connected Components:** Power transmission systems benefit from IoT and sensor integration through immediate data collection of torque along with temperature and vibration metrics to perform predictive maintenance and reduce downtime while extending equipment lifespan with smart gearboxes and connected drives.

**Digital Twin and Simulation Technologies:** Digital twins have become a practice whereby organizations create virtual models of power transmission systems to optimize their operations before actual deployment takes place. The process minimizes design errors and enhances customization capabilities along with decreasing the time required for product development.

## Industrial Power Transmission Market Segmentation

### By Transmission Type

By Transmission Type, the Industrial Power Transmission Market is further segmented into Belt and Chain. The industrial power transmission market features chain transmission as its primary choice because it delivers high efficiency alongside long-lasting performance and heavy load handling capabilities. The market expands through automation implementation and manufacturing growth in APAC and smart technology development. Regal Rexnord and Tsubakimoto lead the market by investing in smart chains while making acquisitions to expand their worldwide footprint.

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## Industrial Power Transmission Market Regional Analysis

**Asia-Pacific:** The Industrial Power Transmission Market experiences its highest growth in Asia-Pacific because of quick industrial progress and major renewable power investments together with modernization of electrical grids and cross-border power projects. The market maintains its leading position because China along with India and Southeast Asian countries expand their manufacturing base while developing smart grids and renewable energy capacity throughout the

region.

Europe: The industrial power transmission sector in Europe places second because of its modern manufacturing capabilities along with its strong renewable energy implementation and its upgraded grid systems and its international projects. Large-scale funding from Iberdrola and Vattenfall strengthens infrastructure development which drives both Europe's energy shift and market expansion.

North America: North America holds the third position because of its powerful sectors and renewable power development and modernized electrical infrastructure and extensive technology integration. Major projects like Greenlink West and CHPE boost clean energy transmission and grid resilience.

### Industrial Power Transmission Market Competitive Landscape

The global and regional players in the Industrial Power Transmission Market concentrate on developing and enhancing their capabilities, resulting in fierce competition. Notable players include:

AB SKF (Sweden)  
Continental AG (Germany)  
Bando Group (US)  
Optibelt GmbH (Germany)  
Dayco Corporate (US)  
Schaeffler Group (Germany)  
Gates Corporation (US)  
Regal Rexnord (US)  
The Timken Company (US)  
Regina Catene Calibrate Spa (US)

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### Summary

The Industrial Power Transmission Market faces an annual growth rate of 3% throughout the period between 2025 and 2032 to reach a valuation of USD 12.91 billion by 2032 starting from USD 10.19 billion in 2024. Several factors including growing industrial automation and manufacturing expansion alongside renewable energy needs and automotive sector improvements and energy efficiency initiatives are driving the market growth. The main factors pushing the market forward are the adoption of Industry 4.0 technology together with grid modernization and the rising numbers of electric vehicles and smart transportation systems. The rising adoption of integrated electric drive systems in electric vehicles and automation practices reduces the need for conventional mechanical transmission systems.

The implementation of smart components using IoT technology and digital twin simulation technology improves system effectiveness and maintenance prediction. The market shows preference for chain transmission because it provides long-lasting performance with high efficiency levels and the Asia-Pacific region leads this market through its manufacturing advancement and automation adoption. The market leaders consist of AB SKF, Continental AG, Regal Rexnord and The Timken Company who maintain their competitive position through innovative approaches and worldwide expansion efforts.

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