

Global Industrial Gearbox research report

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Abstracts

[170 + Pages Research Report] Industrial Gearbox Market surpass USD 39,131.4 million by 2031 from USD 24,790.3 million in 2021 at a CAGR of 4.7% in the coming years, i.e., 2021-31.

Product Overview

Industrial gearbox is an enclosed system that delivers mechanical energy to a transmission unit. The technology reduces rotational speed and torque. Industrial gearboxes differ from normal gearboxes in that the former is required for most drives to have a long, steady life and a safety factor. An industrial gearbox converts mechanical power into driving torque to manage speed and torque and transform it functionally. Industrial gearboxes, unlike mass gearboxes, can manage many jobs at extremely high speeds for extended periods of time.

Market Highlights

Global Industrial Gearbox market is expected to project a notable CAGR of 4.7% in 2031. The rising automation in manufacturing industries such as automobiles, food processing, and farm machinery is driving the growth of the industrial gearbox market. Furthermore, the industry is being driven by rising investments in renewable energy generation, with a preference for wind power.

Global Industrial Gearbox: Segments

Planetary Gearbox segment to grow with the highest CAGR during 2021-31

Based on type global Industrial Gearbox are segmented into Worm Gearbox, Helical Gearbox, Bevel Helical Gearbox, Planetary Gearbox, Other Types. Planetary Gearbox is expected to dominate the global Digital scent technology market through the forecast period. The growth in the market is majorly due to the rising adoption of parallel axis industrial gear box in diverse industrial applications. Gears involving two axes, which are parallel to each other, are called Parallel Axis Gears. For the transmission of rotation/power by parallel axis, Spur, Helical and Internal Gears are generally used. These are the most commonly used gears, with a wide range of applications, in various

industries.

Parallel segment to grow with the highest CAGR during 2021-31

Based on design global Industrial Gearbox are segmented into Parallel, Angled. During the projection period, the Parallel is anticipated to develop at the fastest CAGR. Parallel shaft gearboxes are typically used in situations that need a lot of torque and horsepower. Parallel shaft gear motors are a form of gear motor that reduces the speed by using gears.

Market Dynamics

Drivers

Increasing adoption of industrial automation across various industrial sectors

The worldwide demand for industrial gearboxes is largely driven by the increasing acceptance along with the rising usage of automated machinery. The worldwide market for industrial gearboxes will continue to be driven by the advent of several new technologies, such as artificial intelligence and robotics, for automated and highly efficient industrial applications in the coming years.

Rising requirement for clean energy sources

The growing number of investments targeted at advancing different industries, such as wind power and other forms of renewable energy generation, is expected to boost growth in the worldwide industrial gearbox market in the coming years. Product demand for absorbing kinetic energy in wind or hydro turbines to create electricity is increasing as the renewable energy sector grows. Industrial gearbox market is likely to dominate in the coming years owing to growing awareness about renewable energy.

Restraint

High maintenance and manufacturing cost

Milling, heat treatment, and other processes are all part of the production process for industrial gearboxes and is quite time taking. As a result, the worldwide industrial gearbox market's expansion is hampered by high production and maintenance costs.

Global Industrial Gearbox:

Key Players

ABB Group

Company Overview, Business Strategy, Key Product Offerings, Financial Performance, Key Performance Indicators, Risk Analysis, Recent Development, Regional Presence, SWOT Analysis

Bondioli & Pavesi S.p.A.
Bonfiglioli Italia S.p.A.
China High Speed Transmission Equipment Group Co., Ltd
Elecon Engineering Company Limited
Emerson Electric Company
Johnson Electric Holdings Limited
Siemens AG
Sumitomo Heavy Industries Gearbox Co., Ltd
The Timken Company
Other Prominent Players

Global Industrial Gearbox Market: Regions

Global Industrial Gearbox market is segmented based on regional analysis into five major regions: North America, Latin America, Europe, Asia Pacific and the Middle East and Africa. During the forecast period, Asia-Pacific is likely to lead the market place for the Industrial Gearbox, with the biggest market share in terms of value. The planned construction of wind power infrastructure, Asia-Pacific has offered significant potential. The existence of large manufacturing economies in the area, such as Japan and India, as well as the region's industrial sector's increasing automation.

Impact of Covid-19 on Industrial Gearbox Market

COVID-19 epidemic wreaked havoc on practically every major industry's supply chain throughout the world. Furthermore, industrial gearbox market's primary end-user industries, such as electricity, metals, mining and minerals, were all hit by the economic downturn. Slowdown in economic and industrial activities are expected to have a negative impact on the industrial gearbox market.

Global Industrial Gearbox Market is further segmented by region into:

North America Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – United States and Canada

Latin America Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – Mexico, Argentina, Brazil and Rest of Latin America

Europe Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – United Kingdom, France, Germany, Italy, Spain, Belgium, Hungary, Luxembourg, Netherlands, Poland, NORDIC, Russia, Turkey and Rest of Europe

Asia Pacific Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – India, China, South Korea, Japan, Malaysia, Indonesia, New Zealand, Australia and Rest of APAC

Middle East and Africa Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – North Africa, Israel, GCC, South Africa and Rest of MENA

Global Industrial Gearbox Market report also contains analysis on:

Industrial Gearbox Market Segments:

By Type

Worm Gearbox

Helical Gearbox

Bevel Helical Gearbox

Planetary Gearbox

Other Types

By Design

Parallel

Angled

By Industry

Wind Power

Material Handling

Construction

Metal & Mining

Cement & Aggregate

Food & Beverage

General Manufacturing

Robotics

Size

Up to 1 MW

Above 1 MW

Torque

Up to 50,000 NM

Above 50,000 NM

Industrial Gearbox Market Dynamics

Industrial Gearbox Market Size

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The above given segmentations and companies could be subjected to further modification based on in-depth feasibility studies conducted for the final deliverable.

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