



## POWER TRANSMISSION BUSINESS (PTB)

### Industrial Gears Industry

#### Global Industrial Gears Industry Overview

The Global Industrial Gearbox Market is valued at USD 27.01 billion in the year 2022 and is projected to reach a value of USD 36.69 billion by the year 2030. The Global Market is forecasted to grow at a Compound Annual Growth Rate (CAGR) of 3.90% over the forecast period.

Asia Pacific is projected to acquire the largest market share of ~38%, because of the growing demand for gearboxes in various industries, such as manufacturing, power generation, and so on. India, China, Japan, Korea and Australia are among the region's most important contributors.

The global market for industrial gearbox is led by the parallel axis, which is likely to maintain its lead during the forecast period owing to the parallel axis design used in the manufacture of helical and planetary gearboxes.

By 2033, the United States is likely to rule the industrial gearbox market, with a CAGR of 5.1%. Japan's industrial gearbox market is expected to expand significantly, with a CAGR of 4.5% in this period.

Based on type, the helical industrial gearbox led the market share in 2022, and will continue to dominate the sector during the forecast period. Based on the end user, the power generation sector led the market share in 2022, and will continue to dominate the sector during the forecast period.

The growth of power transmission gearbox market can be attributed to several drivers, as listed below:

- Increasing demand for energy-efficient systems
- Growing industrialisation and urbanisation
- Increasing demand for high-speed machines
- Growing infrastructure development

The Global Industrial Gearbox market can be primarily divided into the slow-speed and the high-speed segments. The slow-speed segment is largely catalogue and standardised products, while the high-speed segment consists of engineered gear solutions for critical applications for steam turbine drives, gas turbine drives, centrifugal pumps and compressors, etc.

#### Indian Industrial Gears Industry Overview

We estimate the Indian industrial gear industry at ~USD 500 million, of which the high-speed gear market is estimated at ~USD 30 million. The industry is primarily driven by Government policies on infrastructure, ethanol blending, revival of fertiliser units, and greenfield and brownfield expansion of refineries. The market is expected to grow around 6-7% across all segments. The high-speed gear industry growth is fuelled by Ethanol Blended Petrol (EBP) programme, capacity enhancement of refineries, and investments in Petrochemical complexes attached to refinery, along with captive power requirements across all segments. Higher capacity utilisation is expected to drive higher maintenance spend, propelling the growth of the Aftermarket business. The geopolitical environment with the neighbouring countries is driving higher defence budget spending, leading to self-reliance in the defence sector.

