

# Global (North America, Europe, Asia-Pacific, South America, Middle East and Africa) In-wheel Motors Market 2018, Forecast to 2023

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## Abstracts

In-wheel motors allow torque to be applied at the wheel; the point where the torque is required. In-wheel motors occupy the most unobtrusive space inside the vehicle, leaving more volume inside the vehicle body for batteries and luggage.

Direct-drive, in-wheel motors require no gearboxes, driveshafts or differentials, thus giving far greater flexibility to vehicle designers while substantially reducing drivetrain losses. The reduced drivetrain losses mean less energy is wasted (during both acceleration and regenerative braking), resulting in more of the energy from the battery pack being available to propel the vehicle.

Each in-wheel motor can be controlled entirely independently, providing far greater control, performance and vehicle dynamics characteristics than any other drive system; traction control, launch control and torque vectoring are all easily implemented through the use of in-wheel motors.

### Scope of the Report:

This report focuses on the In-wheel Motors in global market, especially in North America, Europe and Asia-Pacific, South America, Middle East and Africa. This report categorizes the market based on manufacturers, regions, type and application.

The classification of In-wheel Motors includes Outer Rotor Type and Inner Rotor Type. The proportion of Outer Rotor Type in 2016 is about 96.94%, and the proportion is in increasing trend from 2012 to 2016 as the outer rotor is generally applied in the electric vehicles.

With more and more companies built plants here, China is the largest supplier of In-wheel Motors, with a production market share nearly 59.61% in 2016. With mature technology, Europe is the second largest supplier of In-wheel Motors, enjoying

production market share nearly 33.80% in 2016.

With rapid growing electric vehicle industry, China is also the fast growing consumption place, with a consumption market share nearly 33.27% in 2016. With a lot of automotive and parts manufacturers, Europe is the largest consumption place with the consumption market share of 44.28%.

The worldwide market for In-wheel Motors is expected to grow at a CAGR of roughly 32.8% over the next five years, will reach 67 million US\$ in 2023, from 12 million US\$ in 2017, according to a new GIR (Global Info Research) study.

Market Segment by Manufacturers, this report covers

Protean Electric

Elaphe

e-Traction

ZIEHL-ABEGG

Market Segment by Regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia and Italy)

Asia-Pacific (China, Japan, Korea, India and Southeast Asia)

South America (Brazil, Argentina, Colombia etc.)

Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria and South Africa)

Market Segment by Type, covers

Outer Rotor Type

Inner Rotor Type

Market Segment by Applications, can be divided into

Passenger Vehicle

Commercial Vehicle

Other

There are 15 Chapters to deeply display the global In-wheel Motors market.

Chapter 1, to describe In-wheel Motors Introduction, product scope, market overview, market opportunities, market risk, market driving force;

Chapter 2, to analyze the top manufacturers of In-wheel Motors, with sales, revenue, and price of In-wheel Motors, in 2016 and 2017;

Chapter 3, to display the competitive situation among the top manufacturers, with sales, revenue and market share in 2016 and 2017;

Chapter 4, to show the global market by regions, with sales, revenue and market share of In-wheel Motors, for each region, from 2013 to 2018;

Chapter 5, 6, 7, 8 and 9, to analyze the market by countries, by type, by application and by manufacturers, with sales, revenue and market share by key countries in these regions;

Chapter 10 and 11, to show the market by type and application, with sales market share and growth rate by type, application, from 2013 to 2018;

Chapter 12, In-wheel Motors market forecast, by regions, type and application, with sales and revenue, from 2018 to 2023;

Chapter 13, 14 and 15, to describe In-wheel Motors sales channel, distributors, traders, dealers, Research Findings and Conclusion, appendix and data source

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