

**Global and China Automotive
Transmission Industry Report, 2017-2021**

August 2017

STUDY GOAL AND OBJECTIVES

This report provides the industry executives with strategically significant competitor information, analysis, insight and projection on the competitive pattern and key companies in the industry, crucial to the development and implementation of effective business, marketing and R&D programs.

REPORT OBJECTIVES

- ◆ To establish a comprehensive, factual, annually updated and cost-effective information base on market size, competition patterns, market segments, goals and strategies of the leading players in the market, reviews and forecasts.
- ◆ To assist potential market entrants in evaluating prospective acquisition and joint venture candidates.
- ◆ To complement the organizations' internal competitor information gathering efforts with strategic analysis, data interpretation and insight.
- ◆ To suggest for concerned investors in line with the current development of this industry as well as the development tendency.
- ◆ To help company to succeed in a competitive market, and

METHODOLOGY

Both primary and secondary research methodologies were used in preparing this study. Initially, a comprehensive and exhaustive search of the literature on this industry was conducted. These sources included related books and journals, trade literature, marketing literature, other product/promotional literature, annual reports, security analyst reports, and other publications. Subsequently, telephone interviews or email correspondence was conducted with marketing executives etc. Other sources included related magazines, academics, and consulting companies.

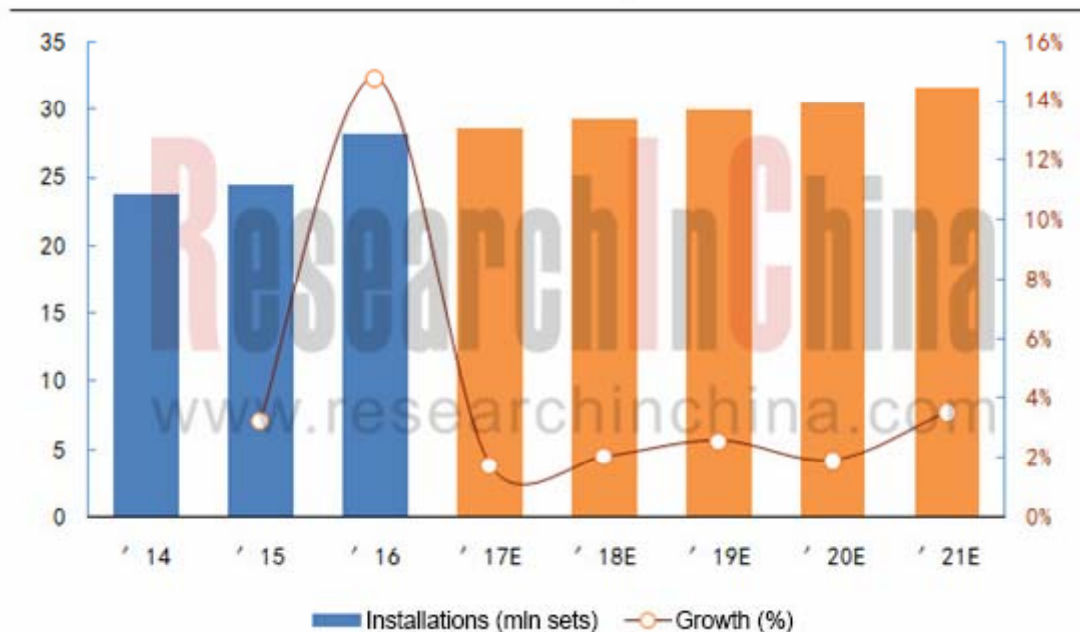
INFORMATION SOURCES

The primary information sources include Company Reports, and National Bureau of Statistics of China etc.

Abstract

The market demand for transmission, one of essential automotive parts, has direct bearing on the development of the automobile industry. According to China Association of Automobile Manufacturers (CAAM), the country's auto production and sales hit all-time highs again in 2016, amounting to 28.119 million units and 28.028 million units, up 14.5% and 13.7% year on year, respectively, which in turn drove the demand for transmission up to 28.119 million sets (AM is ignored because of rare demand), a 14.5% rise from a year earlier. Aggregate demand for transmission will expand along with further development of the automobile industry, expected to hit 31.64 million sets in 2021, representing a CAGR of 2.4% during 2016-2021.

Automotive Transmission Installations in China, 2014-2021E



Market structure: In China, automotive transmissions are primarily divided into manual transmission (MT) (including semi-automatic transmission) and automatic transmission (AT) with the latter further classified into stepped transmission (AT/AMT/DCT) and continuously variable transmission (CVT). MT, AT and AMT, all applicable to passenger cars and commercial vehicles, held a 47.6%, 28.0% and 1.4% market share in 2016, respectively; DCT and CVT, generally assembled in passenger cars, occupied a 10.9% and 11.1% market share in the same year, separately.

Like other key auto parts, the automotive transmission market remains relatively stable. Local suppliers still cannot replace foreign counterparts due to a large gap in the aspects of strength, precision, vibration noise and anti-fatigue of transmission gear. In the CVT market, Japanese JATCO and Aisin AW are dominant globally, while domestic Zhejiang Wanliyang and Hunan Jianglu&Rongda Vehicle Transmission serve mainly local brands like Chery; in DCT field, with core technologies originating from Luk (a member of the Schaeffler Group) and BorgWarner, the product is widely used in European and American cars (Volkswagen, Ford, etc.), while domestic BYD and SAIC achieve in-house supply via cooperation; AT suppliers include Japanese Aisin AW and JATCO (AT for passenger cars and light commercial vehicles), Allison (AT for heavy commercial vehicles), and German ZF (AT for passenger cars and light/heavy commercial vehicles), compared with in-house supply for local enterprises like Geely.

Global and China Automotive Transmission Industry Report, 2017-2021 highlights the followings:

- ◆ Overview of automotive transmission industry (definition & classification, development trend, industry policy, etc.);
- ◆ Overview of the automobile industry in China and worldwide (car production, sales and ownership, etc.);
- ◆ Global automotive transmission market (installations, market structure, market segments (AT, MT, CVT, DCT), competitive landscape, etc.);
- ◆ Chinese automotive transmission market (installations, market structure, competitive landscape, etc.);
- ◆ Chinese passenger car transmission market (installations, market structure, market segments (AT, MT, CVT, DCT), competitive landscape, etc.);
- ◆ Chinese commercial vehicle transmission market (installations, market structure, market segments (AT, MT, AMT), competitive landscape, etc.);

26 enterprises at home and abroad including JATCO, Aisin, BorgWarner, ZF, Schaeffler, Hyundai Dymos, Zhejiang Wanliyang, Chongqing Tsingshan Industrial, Shaanxi Fast Auto Drive, and Shanghai Automobile Gear Works (profile, financial position, output & sales, main products, production bases, latest developments, etc.)

Major Producers of Four Types of Transmissions and Product Characteristics

	Merits	Demerits	Auto Model	International Producer	Chinese Producer
AT	Comfortable, highly reliable	High costs, low transmission efficiency	Medium to high-end sedans and SUVs	Major passenger car makers in Europe, America, and Japan	DAE, Geely, Shengrui Transmission
AMT	Low costs	Uncomfortable	Mini and small cars	ZF, Aisin, Magneti Marelli	Chongqing Tsingshan Industrial, Hunan Sino-German Automobile Automatic Transmission
DCT	Effective utilization of original MT manufacturing resources	Big difficulty in development; reliability still in verification stage	Dry-type for small cars; wet-type for medium to high-end sedans	BorgWarner, Schaeffler	SAIC, Geely, Anhui Xingrui Gear Transmission
CVT	High transmission efficiency	Doesn't match large-displacement engine due to limitation of steel belt on transmission torque	Small cars, medium-end cars, small SUVs	Bosch, JATCO, Punch Powertrain	BAIC, Hunan Jianglu & Rongda Vehicle Transmission, Chery

Source: ResearchInChina

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