Koyo Seiko and Toyoda Machine Works formed their businesses at the dawn of Japanese industry. In 2006, these two joined and became JTEKT, “a new global company combining modern innovation with a rich heritage”.

The History of JTEKT

2006
- Koyo Seiko and Toyota Machine Works merged to form JTEKT
- Began mass production of the ultralow-torque tapered roller bearing - LFT-III, received the METI (Ministry of Economy, Trade and Industry) Minister Award

2007
- Established JTEKT SONA AUTOMOTIVE INDIA as JTEKT Group’s Indian auto parts production base

2009
- Developed and began mass production of TORSEN for sports cars
- Acquired Timken’s needle roller bearing business
- Established JTEKT INDONESIA as JTEKT Group’s Indonesian auto parts/-bearing production base
- Developed and began sale of the combination grinder - TG4

2010
- Established a technical center in China - JTEKT RESEARCH & DEVELOPMENT CENTER

2011
- Began mass production of DP-EPS in Europe
- Launched the “Kariya Plant Reborn” project

2012
- Opened JTEKT Iga Proving Ground in Iga city, Mie prefecture

2013
- Established JTEKT AUTOMOTIVE MEXICO in Mexico
- Developed and began sale of the gear skiving center series

2014
- Announcement of our JTEKT GROUP VISION - Shaping a Better Future through the Spirit of ‘No.1 & Only One’
- Full operation of our Large Size Bearing Engineering Development Center
- Began sale of universal cylindrical grinder - GE-4i

2015
- Total cumulative production of EPS exceeded 100 million units

2016
- Celebrated JTEKT’s 10 year anniversary
- Began mass production of PP-EPS at Hanazono Plant

2017
- Established the JTEKT IT Center Akita Corporation in Akita prefecture
- Established JTEKT AUTOMOTIVE MOROCCO in Morocco
JTEKT – KOYO – TOYODA Three brands combined to create synergistic strengths for supporting society in diverse industries including automotive components, steel production, railways, aviation / aerospace, construction, agricultural machinery and wind power generation.

Business Brand
JTEKT ........ Automotive components
Koyo ........ Bearings
TOYODA ...... Machine Tools / Mechatronics

JTEKT has 3 Business Brands. These are koyo, bearing manufacture, Toyoda, a machine tools manufacturer, and JTEKT, an automobile parts manufacture, all of which are committed to contributing to an abundant society using trusted technologies.

Company Overview

Company name: JTEKT CORPORATION

Main business activities:
Manufacturing and sales of steering systems, bearings, drive line components, machine tools and electronic control devices.

Capital: 407 million dollars (as of Mar. 31, 2017)

Sales:
Consolidated: 11,760 million dollars (in FY ended Mar. 31, 2017)
Nonconsolidated: 5,495 million dollars (in FY ended Mar. 31, 2017)

Number of employees:
Consolidated: 44,582 (as of Mar. 31, 2017)
Nonconsolidated: 11,542 (as of Mar. 31, 2017)

JTEKT Group – More than 130 companies providing a strong global footprint

Passion for Automobiles

As a leading supplier of Steering Systems and Drive Line components, JTEKT accelerates the fun to drive.

JTEKT produces a wide range of power steering systems for vehicles of all sizes, from compact cars to large SUVs. While providing a more comfortable and safe driving experience, we are contributing to fuel-efficiency with precision products including bearings in everything from powertrains to chassis and a wide variety of pumps. Our automotive products have been recognized for quality and performance by auto manufacturers around the globe.

The World’s first Electric Power Steering System

In 1988, JTEKT was the first in the world to successfully develop and mass produce electric power steering (EPS) systems.

Production exceeded 100 million in 2015 and JTEKT remains the global leader today by continuing to innovate by producing lighter, more compact designs to support autonomous driving, higher efficiency for a better environmental footprint, improved safety, higher performance, and greater peace of mind.

Intelligent torque-controlled coupling (ITCC) technology is included in most 4WD vehicles produced globally. It’s designed to switch between 2WD and 4WD according to road and driving conditions. It transfers the optimal amount of torque to the rear wheels during extreme driving conditions.

Low Friction Torque Taper Roller Bearings provide world-class performance

Low Friction Torque Taper Roller Bearings (LFTBR) have 80% less rotational torque than standard taper roller bearings with a longer service life and higher rigidity. Add the size reduction and 40% less weight and the result is approximately a 2% improvement in fuel efficiency and a significant CO2 emissions reduction (based on company testing).

JTEKT’s No.1 & Only One Products

Electric Power Steering (EPS)
In 1988, JTEKT was the first in the world to develop and mass produce EPS. This product still boasts the world’s top share in this market today.

Electrically Controlled 4WD Coupling (ITCC)
The ITCC is an Only One driveline product developed in 1998. It enjoys the world’s top share.

Gear-type Differential Control Device (TORSEN)
An Only One driveline product crystallizing JTEKT’s friction control technology. This product also boasts the world’s top share.
Pride for Industry

Creating new possibilities for moving parts through innovation in tribology, materials development and machining technologies

JTEKT technologies contribute to “movement” in diverse industries by providing advanced bearing technology used in applications such as wind power generators and high-speed railways. In addition to applying automotive technologies to general industries, we provide integrated machine tools and manufacturing systems.

Long-life bearings for wind power generators – Answering the need for high reliability with a designed service life of over 20 years

To help reduce global warming and with the price volatility of crude oil wind power generation is rapidly gaining in popularity, especially in Europe. With 2MW-class generators now mainstream the industry has made steady progress in developing larger and higher capacity generators. Due to their height above ground the industry demands reliability and a long service life.

Koyo brand wind power generator bearings use ceramic rolling elements to prevent electrical corrosion, withstand higher temperatures and operate at higher rpm’s enabling JTEKT to provide highly reliable bearing products as a leading global supplier.

Bearings for the Shinkansen (bullet train) – Enable speeds in excess of 300km/h

The Shinkansen (i.e., Bullet Train), which travels at speeds of up to 300km/h, boasts world-class performance. Contributing to the stable and smooth ride are Koyo brand double row taper roller bearings. These bearings efficiently transfer torque from the drive motor to the wheels with virtually no energy loss. JTEKT continues to innovate by reducing weight and size while improving the Shinkansen’s performance in very demanding, ultra-speed conditions.

Construction machinery bearings – Providing unsurpassed durability and service life

Construction machines operate in extremely harsh environments. JTEKT provides some of the most durable, longest lasting bearings in the industry. With continual extreme condition testing and expertise across many industries JTEKT can provide innovative special-purpose bearings with unsurpassed performance.

JTEKT’s No.1 & Only One Products

Ultralow-torque Tapered Roller Bearing (LFT-ᶙ)

A No. 1 product achieving near-helmet low torque and contributing to better fuel efficiency in cars. Low torque technology is being applied to ball bearings, needle bearings, etc. to contribute to areas other than automotive.

Bearings for Rolling Machines of Steel-making Equipment

Supporting heavy loads and high-speed rotation in severe environments. First developed in Japan in 1945, this product still holds the No. 1 share today.

Cylindrical Grinders

The SMART Factory where people, machines, and processes are all connected and communicating.

At JTEKT, IoT or “Internet of Everything”, is a connected technology transmitting data amongst machines, people, & processes - creating new levels of efficiency, functionality, reliability and productivity. With this information, manufacturers can make more quantified decisions that inform the Kaizen process.

IoE Technology

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Cylindrical Grinders

Blending new and proven technology – Cylindrical Grinders leading the industry.

With submicron level machining accuracy, TOYODA Cylindrical Grinders continuously evolve with the latest JTEKT technologies such as a grinding wheel spindle shaft, control devices, “Kisage” final finishing, and the TOYODA STAT BEARING.*

*TOYODA STAT® BEARING

A fluid bearing using a hybrid of hydrostatic and hydrodynamic technologies to eliminate metal-to-metal contact inside the bearing - maintaining a high level of accuracy.

JTEKT’s No.1 & Only One Products

Universal Cylindrical Grinders (+TOYODA STAT BEARING)

While holding the No. 1 share in Japan’s domestic market, this superior product offers stable and highly accurate machining with a fluid of bearing – achieving long-term dependability.

Gear Skiving Center

In 2013, JTEKT was the first in the world to provide consumers with skiving technology integrated onto a horizontal machining center – integrating several machining processes into one universal compact machine.

Control System (TOYOPUC)

This technology was developed as Japan’s first production-line control system in the 1970s and is used on production shop floors in a variety of industries, including automotive manufacturing.

Confidence in Cutting-Edge Technology

“Increasing the value of the products that our customers manufacture.” This is JTEKT’s mission as a Production Line Builder.

Through the timely delivery of high-performance products and by engineering highly efficient production lines, the TOYODA CNC Machining Division exemplifies JTEKT’s goal to be “a truly comprehensive production line builder trusted by customers for its quality, ingenuity and progressive technology.”