JATCO’s innovative ideas and ability to take on technological challenges have allowed us to continuously produce high-performance automatic transmissions that best meet the needs of our customers and society.

Not only do our products provide people with an enjoyable driving experience, they also contribute to society and are environmentally friendly.

JATCO’s mission is to fully use the strength and power of our passion.

Passion is our mission.

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Excelling on the world stage through engineering prowess

JATCO is aiming to be the No.1 automatic transmission manufacturer in the world.

As a manufacturer specializing in automatic transmissions for automobiles, JATCO features a wide range of products lineup, from step automatic transmissions to environmentally friendly continuously variable transmissions (CVT) and transmissions for hybrid vehicles. In terms of CVTs, we are the only manufacturer in the world to provide CVTs from mini vehicles to large passenger cars, and we are proud to hold the No.1 market share of CVTs in the global market. We believe that this result represents the satisfaction of our customers in the world for JATCO’s offered products.

The needs for environmentally friendly cars are growing significantly throughout the world as the needs to limit CO₂ emissions impact on the global environment. Thus, the roles automatic transmission plays in realizing green and fuel-efficient cars are becoming more and more important. Also, the automotive market is expanding from advanced nations to emerging economies. We at JATCO will continue to provide products that create value through being close to our customers throughout the world and listening to their voices so that cars remain a good partner to society as in the past.

We believe that engineering is the key to solving the challenges we face in the automobile society. We continue to develop advanced products that reflect the needs of our customers. Our aim is to further improve our manufacturing technology in order to achieve a level of quality that surpasses that of our global competitors. To win with our technology in the global market, each and every one of our employees will show leadership. I expect JATCO to always uphold these values.

Teruaki Nakatsuka
President and CEO
JATCO Ltd

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Never ending challenges are the driving force of development

“How can automatic transmissions transmit energy more efficiently from the engine and motor?”

With the aim of enhancing the performance of its products, JATCO has continued to maintain a stance of taking up bold challenges and has built up its technological prowess over its long years in the business. Today, it has made the transition from the phase of “transmitting” energy to “managing” energy. JATCO will harness its boundless spirit of challenge to bring about the realization of the future envisioned by our automobile-based society.

Product planning that anticipates the needs of the market and the times

Each market around the world demands different types of performance from automobiles, such as driving performance, environmental performance, and comfort. These demands are also undergoing constant changes in tandem with the changing times. As a leader in the field of automatic transmissions, JATCO will continue to plan and provide proposals for the next unique product in anticipation of the needs of the market in order to bring about the realization of a society where automobiles and the environment coexist in harmony.

Technology and product development to realize excellent ideas

Technological breakthroughs are necessary in order to commercialize excellent ideas. Speed is also important, as the needs of the times do not wait for technological development to catch up. JATCO is keeping up with its research activities on elemental technology and control technology that constantly look ahead to the next generation to wait for the moment when the market requires them. JATCO is able to successfully offer the “world’s first” products because it has successfully maintained its technology and product development capabilities that transform ideas into more than just ideas.

Next-generation transmissions and technological innovations that look ahead to the future

According to forecasts, electric vehicles such as hybrid vehicles (HEV), electric vehicles (EV), and fuel cell vehicles (FCV) will make up more than 50% of all vehicles by 2030. JATCO is poised to create innovative technology by anticipating future mobility. For example, to utilize multi-power sources such as HEV, EV, and FCV, next generation transmissions are aiming for a smaller size, lighter weight, excellent loading performance, and high energy transmission efficiency.

Technological development capability expanding globally

Headquartered in Japan, JATCO has established research and development centers in countries across the world, including the United States, South Korea, France, and China. JATCO’s global development capabilities close to global customers realize products which meet real driving needs in various markets — for instance, cities with many slopes as well as high-altitude countries.
Aiming for the highest monozukuri excellence in the world with JATCO’s unique production system

“To provide JATCO’s valuable products to global customers”

JATCO’s mission is to supply high quality products continuously and stably in our manufacturing bases around the world.

To accomplish the mission, we have developed a unique production system known as the JATCO Excellent Production System (JEPS).

Our efforts for improvement and innovation never end in aiming for the highest level of monozukuri excellence in the world.

JEPS (JATCO Excellent Production System)

JATCO’s unique production system, JEPS, responds flexibly to changing market needs and achieves the highest level of monozukuri excellence in the world in all aspects of quality, cost, and delivery. JEPS eliminates the waste completely by synchronizing the operations in each process—from the procurement of materials, machining, assembly, inspection, to shipment—as if they were carried out on a single line.

Two “never ending” initiatives

The objective of JEPS is to realize two “never endings” across the entire supply chain. The first is “never ending” synchronization of manufacturing with customers. We make our cost and delivery target as close to customers’ requirements as possible. The second is “never ending” quests to identify problems and put solutions in place. JATCO seriously faces the gap between the goal to be global No.1 in monozukuri and the current situation. At the same time, we commit to never ending improvement and reformation and to continuously improving our manufacturing systems.

Inheriting monozukuri excellence

JATCO places great importance on the development of human resources, with the aim of inheriting its monozukuri excellence. Employees armed with skills and knowhow acquired at JATCO’s skills training facility take on mentoring roles and help to develop outstanding human resources to provide support for each production base. The establishment of these human development systems enables JATCO to launch new production bases within a short period of time.

Global network for mass production technology

JATCO has expanded its global production network across the world, from Japan to Mexico, China, and Thailand. The JEPS has been fully implemented in each of these production facilities, and high quality products are being manufactured in a stable manner. The flagship products, Jatco CVT7 and Jatco CVT8, are produced at production lines in multiple plants around the world. The ability to maintain the same level of quality at any production plants enables us to respond flexibly to changing market demands and to provide JATCO’s valuable products without having customers wait.
JATCO’s continuously evolving automatic transmission

“To transmit power from the engine and motor to the tires in the most optimal way and to create the ideal response to drivers”

For this purpose, the automatic transmission automatically controls the shift changes. JATCO has produced a number of pioneering world’s first products, such as the 5-speed electric controls automatic transmission in 1989 and the steel belt CVT for 2L class in 1997. JATCO, as a specialized automatic transmission manufacturer, continuously tackles new challenges and pioneers for the future.

CVT (Continuously Variable Transmission), new-generation transmissions

Among the various types of automatic transmissions, the CVT, which enables non-step, continuous changes in gear ratios through a system of belts and pulleys, has drawn particular attention. The CVT is an innovative transmission that is able to shift transmission by constantly using the efficient range of the engine and to achieve a balance between a powerful drive and smooth gearshift, while providing excellent fuel performance. JATCO is the leading company with No.1 market share in the global market of CVTs for automobiles.

Transmissions for hybrid vehicles that meet market needs

JATCO is also putting effort into the design and development of transmissions for hybrid vehicles to match the needs of the market. With a high level of control technology built upon years of experience, a transmission optimizing the features of hybrid vehicles has been jointly developed with automobile manufactures. Both step AT and CVT-based hybrid transmissions realize efficient energy regeneration and motor driving as well as hybrid driving. They balance between driving performance and environmental performance at a high level.

Products

JATCO’s continuously evolving automatic transmission

“Transmission

Power from the engine is transmitted to the tires in the most optimal way. For that, the transmission plays an important role. Powerful driving force is necessary when a vehicle starts or climbs a hill. When driving at a certain speed, such as driving along highways, a quiet and eco-friendly drive with minimal engine revolutions is expected. Automatic transmission produces the optimal driving force and engine revolutions corresponding to various driving conditions. Automatic transmission is a hidden key player in a car.”

Products offered by JATCO

Transmission

JATCO’s continuously evolving automatic transmission

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Looking out at the global market with the spirit of monozukuri excellence

JATCO is expanding its development and production facilities around the world in locations close to customers. Products incorporating customer needs are planned, designed, and manufactured in a timely manner. There are as many as 14 facilities in eight countries outside of Japan. Production engineering in each production facility is designed with a global scope, and the same level high quality products are produced at any production plant in the world. Development facilities in the world closely cooperate with each other and transform market information into product development.
All activities aimed at creating a society where automobiles and the environment coexist in harmony

In addition to abiding by the law, protecting human rights, and maintaining a sense of fairness at all times, JATCO also believes in actively fulfilling its social responsibility by providing social values through its business and products. With the slogan of being a good corporate citizen, it has taken voluntary initiatives to promote social contribution activities with a focus on the three areas of environment, education, and welfare and to solve social issues with the aim of creating a JATCO that is well loved by the local community.

Provision of products that can meet the needs of customers

JATCO offers drivers a safe driving experience and enables them to drive as they please in places of extreme cold or in scorching hot deserts. It will continue to provide products that are tailored to the different uses of cars, which exceed the expectations of customers and which meet the needs of automobile users around the world.

Reducing the burden on the environment through JATCO’s products

JATCO aims to improve the fuel efficiency of automobiles around the world by 5% to 10% and beyond through the evolution of transmission systems. By supplying products with outstanding environmental performance, JATCO will continue to contribute to the protection of the earth’s environment and to develop products with a view to the future of the automobile-based society.

Creating a kind society that gives consideration to the socially vulnerable

In Japan, JATCO is putting effort into welfare activities, including organizing the JATCO × Yokohama F. Marinos Futuro Cup that involves soccer players with intellectual disabilities. In the United States, it is also putting active effort into activities that give consideration to the socially vulnerable, including participation in the Food Bank.

Creating an environment where employees can work with vitality and energy

In order to bring about the realization of a vibrant organization and creative thinking, JATCO actively promotes employee diversity by accepting all forms of diversity, including gender, nationality, and career. In Japan, it has been highly appraised for its initiatives in developing an environment to help employees strike a balance between childcare and work and was the first company in Shizuoka Prefecture to be recognized as a Platinum Kurumin company in August 2015.

Complying with rules and engaging in fair corporate activities

JATCO puts company-wide effort into complying with laws and regulations and always acting in line with a high level of ethics through organizations that straddle the boundaries of divisions and departments. These organizations include the Compliance Committee and the Information Security Committee.

Cooperation with partner companies

JATCO has drawn up the Supplier CSR Guidelines for its business partners of component parts. For example, it has set out the rejection of involvement in child labor, ensuring the appropriate management of hazardous substances and other items as the premise for its trading activities. Together with its business partners, it has established the clear stance of promoting business fairly and transparently.

Preserving our precious environment for future generations

As a good corporate citizen, JATCO is putting effort into environmental activities. In its locations around the world, it is engaged in activities that aim to preserve our rich natural environment for the children of the future and in those which contribute to the local community. These activities include tree-planting and cleanup activities, releasing young fish, and maintaining pedestrian promenades.

Communicating the wonders of monozukuri

As part of its educational initiatives, JATCO organizes job experience activities and accepts elementary, junior high, high school, and university students in the neighborhoods of its respective locations to plan tours corresponding to their respective age groups. It has also visited areas affected by the Great East Japan Earthquake and conducted visiting lessons to convey the enjoyment of monozukuri.
JATCO’s History

1943 August
Establishes Yoshiwara Plant of NISSAN MOTOR CO., LTD. (current Fuji Area No.1).

1970 January

1970 September
AT/CVT division of NISSAN MOTOR CO., LTD. splits off to become TransTechnology Ltd.

1989 April
Japan Automatic Transmission Co., Ltd. changes name to JATCO CORPORATION.

1999 October
TransTechnology Ltd. and JATCO CORPORATION merge to form JATCO TransTechnology Ltd.

Corporate Profile

Company name: JATCO Ltd
Established: June 28, 1999
Head office: 700-1, Imaizumi, Fuji City, Shizuoka, Japan
Main businesses: Development, manufacturing, and sale of transmissions and automobile components
Paid-in capital: ¥29,935.3 million
Shareholders:
- NISSAN MOTOR CO., LTD. 75%
- MITSUBISHI MOTORS CORPORATION 15%
- SUZUKI MOTOR CORPORATION 10%
Main customers:
- NISSAN MOTOR CO., LTD.
- MITSUBISHI MOTORS CORPORATION
- SUZUKI MOTOR CORPORATION
- Dongfeng Motor Co., Ltd.
- Renault S.A.S.

Locations
- Head Office and Fuji Area
- Shin-Yokohama Office
- Kambara Area
- Fujinomiya Area
- Kakegawa Area
- Kyoto Area
- Yagi Area
- Atsugi R&D Center
- Okazaki R&D Center
- Motegi Proving Ground

Affiliated companies in Japan
- JATCO Engineering Ltd
- JATCO Tool Ltd
- JATCO Plant Tec Ltd

Affiliated companies overseas
- JATCO USA, Inc.
- JATCO MEXICO S.A. DE C.V.
- JATCO Korea Engineering Corporation
- JATCO Korea Service Corporation
- JATCO (Guangzhou) Automatic Transmission Ltd.
- JATCO (Suizhou) Automatic Transmission Ltd.
- JATCO France SAS
- JATCO (Thailand) Co., Ltd.

1997 August
World’s first steel belt CVT for 2L class

World’s First

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- Kambara Area
- Fujinomiya Area
- Kakegawa Area
- Kyoto Area
- Yagi Area
- Atsugi R&D Center
- Okazaki R&D Center
- Motegi Proving Ground

Affiliated companies in Japan
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- JATCO Tool Ltd
- JATCO Plant Tec Ltd

Affiliated companies overseas
- JATCO USA, Inc.
- JATCO MEXICO S.A. DE C.V.
- JATCO Korea Engineering Corporation
- JATCO Korea Service Corporation
- JATCO (Guangzhou) Automatic Transmission Ltd.
- JATCO (Suizhou) Automatic Transmission Ltd.
- JATCO France SAS
- JATCO (Thailand) Co., Ltd.

1999 October
Mass Production of an ultimate "Toroidal CVT" for the first time in the world.

World’s First

Mass Production of an ultimate "Toroidal CVT" for the first time in the world.

1999 October
JATCO TransTechnology Ltd. changes name to JATCO Ltd

2002 April
JATCO Ltd merges with Diamondmatic Co., Ltd.

World’s First

World’s first 5-speed electric controls automatic transmission

World’s First

World’s first 5-speed electric controls automatic transmission

2003 April
JATCO Ltd merges with Diamondmatic Co., Ltd.

World’s First

World’s first steel belt CVT for 3.5L class

World’s First

World’s first steel belt CVT for 3.5L class

2009 September
JATCO Ltd merges with Diamondmatic Co., Ltd.

World’s First

World’s first 1-motor, 2-clutches type transmission without a torque converter for hybrid vehicles

World’s First

World’s first 1-motor, 2-clutches type transmission without a torque converter for hybrid vehicles

2010 November