

1 Social challenges to be solved through business
Contribute to safe, secure and comfortable life



Combining the existing technologies and know-how that we have fostered so far, JTEKT will create new technologies to solve future social challenges. In addition, we are emphasizing activities that contribute to the community to realize safer and more comfortable living.

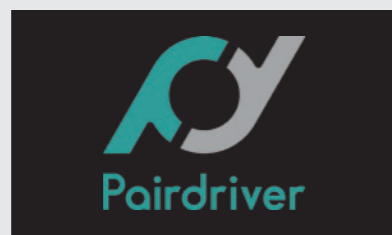


● Initiatives to solve materiality issues



J-PAS™ series of assistance suits

To solve such social challenges as aging and the low birthrate, the working population shortage, and the increasing number of industrial accidents, we have capitalized on the assistance technology, highly safe design technology, and so on nurtured in our existing businesses to develop the J-PAS™ series of assistance suits.



Pairdriver™ steering control system harmonizes humans and autonomous driving systems

JTEKT has developed the Pairdriver™ steering control system to connect and harmonize the autonomous driving system and the will of the driver through electronic power steering (EPS). In this way, we are supporting safe, secure, and comfortable autonomous driving.



Compatibility of autonomous driving and Mobility as a Service (MaaS)

Taking advantage of our technologies, etc. nurtured in EPS, we are promoting development in response to the autonomous driving of commercial vehicles and their electrification. Through such techniques as positioning control, which ensures that buses stop in exactly the right position at bus stops, we will contribute to the realization of a safe and secure traffic environment.

2 Social challenges to be solved through business
Protect the rich earth for future children



JTEKT has set forth the Environmental Challenge 2050 and is endeavoring to conduct management in consideration of the environment. Viewing initiatives to achieve carbon neutrality and so on as not only a contribution to the environment but also a growth opportunity to enhance our competitiveness, we are proactively promoting them.

● Initiatives to solve materiality issues



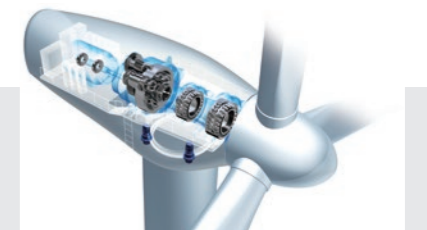
High heat-resistant Lithium-ion Capacitor

In energy storage devices, which are classified as secondary batteries, we have realized the world's first heat resistance from -40°C to 85°C. Since this feature enables the supply of large current and reduces deterioration due to repeated charging and discharging, it is contributing to carbon neutrality in a diverse range of industries.



Reducing CO₂ emissions in the manufacturing process

We are putting our shoulder to the wheel to reduce CO₂ emissions at all our plants and business sites in Japan and overseas. In addition to energy saving through everyday improvement activities, the introduction of renewable energy, and production technology innovations, the entire Group is working together to visualize consumed energy and so on.



Bearings for Wind Turbines

Regarding bearings for wind turbines, which are required to have longevity and a high degree of reliability, JTEKT's products are installed in more than 20,000 turbines worldwide. In addition, JTEKT was the first company in the world to develop and mass-produce ceramic ball bearings for electric power generators. We are backing the diffusion of renewable energy and contributing to the realization of a decarbonized society.



3 Social challenges to be solved through business
Provide new values to manufacturing (monozukuri)



Combining our strengths in bearings, machine tools and manufacturing systems, automotive parts, gears, and so on, we will create products capable of supporting society. The synergy generated by the JTEKT Group will promote the evolution of manufacturing.



New Value

● Initiatives to solve materiality issues



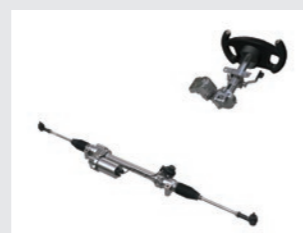
Bearings

Used in all kinds of rotating parts, bearings are an important component facilitating the enhancement of energy efficiency. Through the development and manufacture of bearings able to cope with various environments, JTEKT will contribute to the building of safe and secure social infrastructure.



Machine tools and manufacturing systems

Machine tools are necessary for the production of all kinds of machines and parts. In addition to the evolution of machine tools, we are contributing to customers' manufacturing through the supply of and support for manufacturing systems.



Automotive parts

Rapid technological innovation is progressing in the automotive world. JTEKT is creating such cutting-edge products as the J-EPICS™ linkless steer-by-wire system, which is essential for advanced autonomous driving.



Gears

Taking advantage of our know-how nurtured in automotive parts and machine tools, JTEKT is actively conducting R&D, mainly at the JTEKT Gear Innovation Center, to create even more highly precise gears.

4 Social challenges to be solved through business
Develop organizations and people that are trusted by society and contribute to society



Good manufacturing starts with good human resource development. At the JTEKT Group, we have realized the wide-ranging activities of employees and the building of work-friendly workplaces. We believe that our biggest social contribution lies in delivering happiness to all people through cooperation transcending the barriers of Group companies and business divisions.

● Initiatives to solve materiality issues



JTEKT Academy

The JTEKT Academy is a certified vocational training facility for new recruits in technical positions. Over one year they acquire the manufacturing knowledge and skills required for their work through courses and practical training, as well as receiving education as adult members of society. The JTEKT Academy also supports the acquisition of various qualifications and grooms Skills Competition participants. After completing the program, some employees have gone on to take part in the National Skills Competition and World Skills Competition. In this way, JTEKT is continuing our efforts to pass on advanced technology.



Group network

On the occasion of brand unification in 2022, the JTEKT Group switched course to integrated Group management. To continue supplying products and services with added value, the members belonging to the JTEKT Group, numbering 50,000 people worldwide, will engage in speedy discussions on a level playing field and display the flexible and innovative synergy of the Group without being bound by any preconceived notions.

