

A future that's always expanding...

Why?

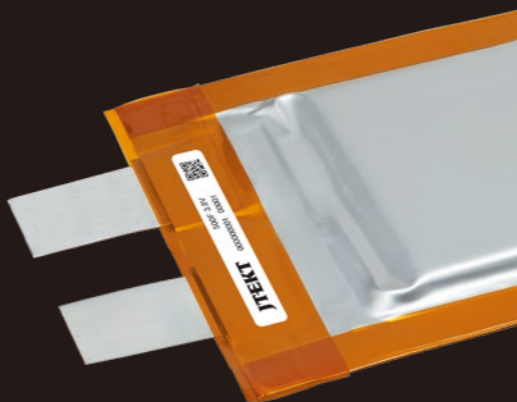
What makes **JTEKT** essential?

Nurturing the **SPIRIT** that lies ahead.
Protect the rich earth for future children.

Having formulated our "Environmental Challenge 2050,"
JTEKT is working to achieve carbon neutrality by 2035 through environmentally friendly management.

High heat-resistant Lithium-ion Capacitor

Lithium-ion capacitors are electric power storage devices classified as rechargeable batteries. Compared to batteries, they have higher instantaneous output and can be charged and discharged more rapidly. JTEKT capacitors feature superior heat resistance and are capable of supplying large currents, meaning they can be used not only in automobiles but also as power supply devices in a wide variety of industries. They contribute to carbon neutrality by minimizing deterioration even after repeated charging and discharging, and by reducing power consumption.



Reducing CO₂ Emissions in Manufacturing Processes

JTEKT is working to reduce CO₂ emissions at all of our plants and offices, both in Japan and overseas. Our efforts not only involve constant improvement activities and introduction of renewable energy sources, but also energy-saving methods made possible through innovations in production technology. The entire JTEKT Group is united in achieving our goal of carbon neutrality not only through our constant improvement activities and the introduction of renewable energy sources, but also through innovations in production technology and the use of IT technology, including visualization of energy use.



EV-Compatible and eAxle-Supporting Products

There are demands that "eAxle," a drive unit that plays a key role in the core of electric vehicles, be made more compact as well as offer higher output and density. To that end, JTEKT has developed "JTEKT Ultra Compact Diff.™," a compact differential gear with the same strength but with half the volume. We will continue to develop compact, high-performance components that help improve the electric power consumption and cruising range of EVs.



Bearings for Wind Turbines

Tremendous focus is now being directed towards wind power as a source of renewable energy. JTEKT bearings are being utilized in over 20,000 wind power generators around the world.



Preserving Biodiversity

Aiming to preserve biodiversity and ecosystems, we have implemented a policy of "One Plant, One Project" at 14 plants and offices throughout Japan. For example, at our Tadomisaki Plant, we are working to protect the nesting grounds of the little tern, which has been designated a rare bird species, and at our Iga Proving Ground, we conduct forest conservation activities around the site.



JTEKT



Check the Movie