

Supporting progress and abundance in society

Bearings are NTN's primary product. These parts are used in the rotating sections of a variety of mechanisms in a wide range of industrial applications from aerospace to automobiles, industrial machinery, and precision equipment. By reducing friction and reducing energy consumption, bearings can truly be considered eco-friendly products.

We also play an important role in the increase of wind power generation, a source of clean energy, as well as in the development of railway networks around the world. In addition, our products are a key part of modern medical technology — we contribute to society by improving human health.



Aerospace applications
→ see pp. 7-8

Aircraft bearings

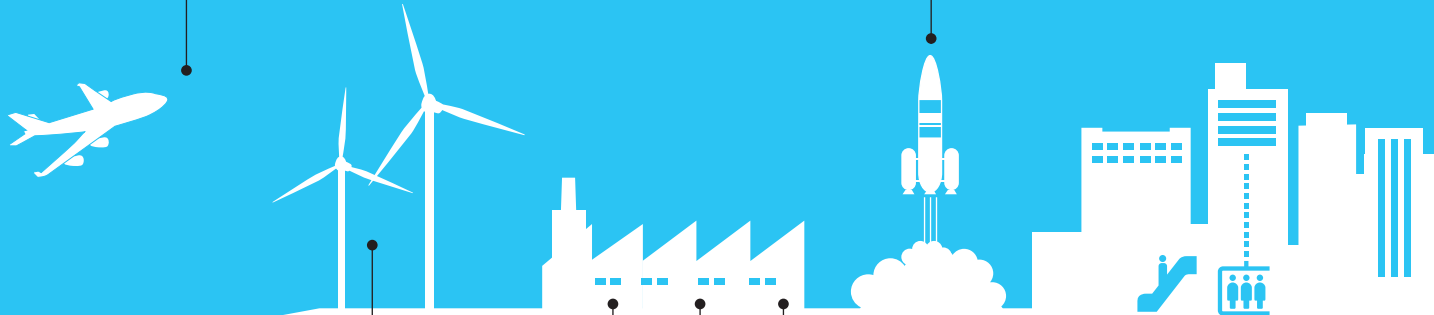
As an increasing number of airplanes are replaced around the world, we are supplying bearings for major airplane engines across the globe even as the precision and speed requirements for these bearings grow more stringent.



Aerospace applications
→ see pp. 7-8

Rocket bearings

We have established technologies that allow bearings to withstand extreme conditions such as extreme cold, high speeds, and severe vacuum conditions, and as a leading manufacturer of bearings for rockets and satellites, we support the Japanese space program.



Wind power generation applications
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Bearings for wind power generators

Wind power generation is expanding rapidly because wind is clean energy that does not emit CO₂. By providing high-load, high-capacity bearings for wind power generators, NTN company contributes to environmentally-friendly wind power generation.



Engineering plastics applications

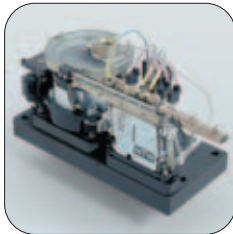
Bearee

These are resin sliding bearings made of a fluorine resin that are used in various locations including food processing machines, medical devices, and seismic isolation devices.

Factory automation applications

Parts feeders

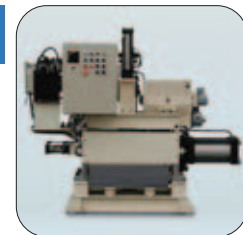
Today's manufacturing facilities are becoming increasingly automated, and we are expanding our lineup of parts feeders for automatically lining up and supplying parts of all shapes and sizes based on a variety of needs.



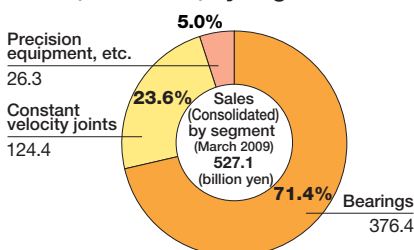
Environmental preservation applications

Grinding swarf briquetting machine

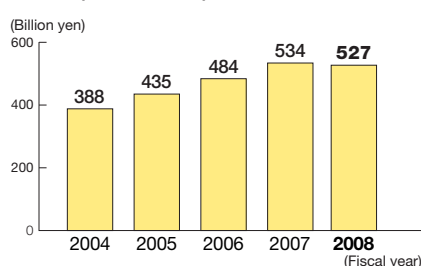
We developed a briquetting machine that allows us to reuse the metal particles and the grinding fluid from swarf, a byproduct of the bearing manufacturing process. Through the sale of these machines, we are also helping to reduce the waste generated throughout the manufacturing sector.



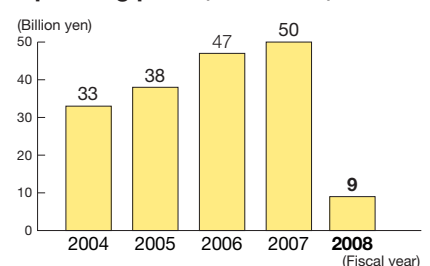
Sales (Consolidated) by segment



Sales (Consolidated)



Operating profit (Consolidated)





Medical applications
 → see pp. 7-8

Bearings for CT scanners

Precise medical examinations are a part of modern medicine, and there is a demand for better CT scanners. We supply bearings for CT scanners in Japan and around the world.



Machine tools applications

Bearings for machine tool spindles

The bearings used for machine tool spindles need high precision and to operate at high speeds. NTN continues to provide clients with high-quality, high-performance products.



Medical applications

Force sensing system for cerebral aneurysms treatment

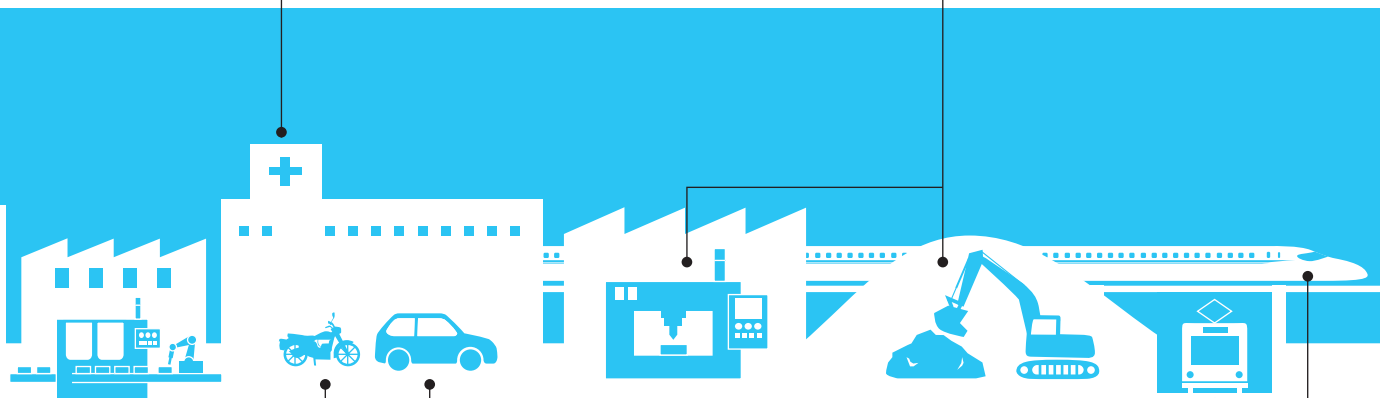
We developed the world's first sensing system for measuring the force used to insert coils during coil embolization operations to treat brain aneurysms.



Construction machinery applications

Bearings for loading shovels

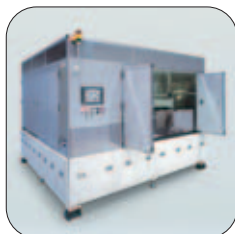
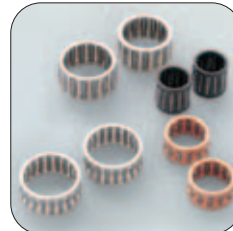
Many of our bearings are used in the wheels and drive-trains of construction machinery such as loading shovels and cranes, which are vital for maintaining infrastructure.



Automobile and motorcycle applications

Constant velocity joints and other products

We supply a wide variety of parts that are used in key parts of vehicles. We use sophisticated technology to confront the challenge of producing environmentally-friendly vehicles that are safer and more fuel efficient.



Precision equipment applications

Multi-repair system

Manufacturers of LCD panels and plasma display panels strive to make them larger with higher resolution. Our high-precision positioning technology is used to efficiently repair and process defects in order to improve production efficiency and resolution.

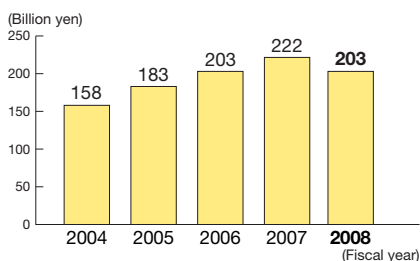


Railroad applications
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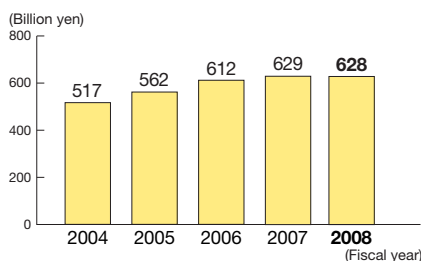
Bearings for the Bullet Train and other railroad applications

Our bearings are used in railroads around the world including the Japanese Bullet Train. We contribute increased speed and safety to this mode of mass transport with low environmental impact.

Shareholders' equity (Consolidated)



Total assets (Consolidated)



Number of employees (Consolidated)

