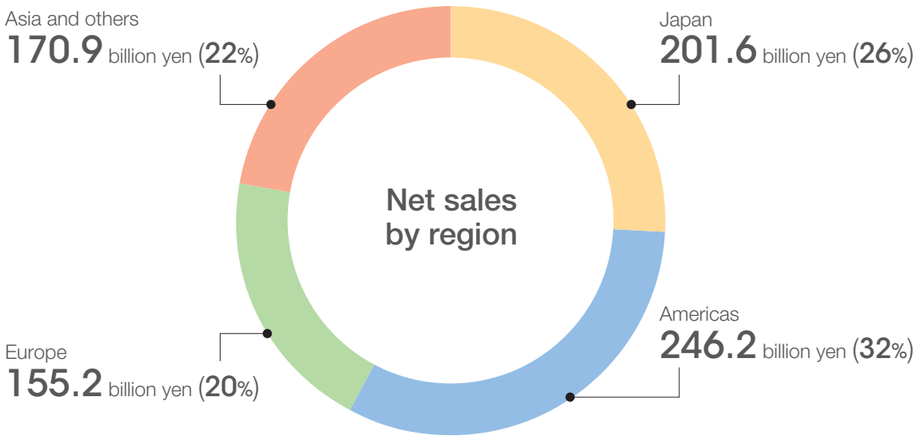
Net sales **774.0** billion yen　　Operating income **17.1** billion yen

Fiscal year ended March 31, 2023

(billion yen)

		Fiscal year ended March 31, 2022 Results		Fiscal year ended March 31, 2023 Results		Fiscal year ending March 31, 2024 Forecast	
Net sales	Aftermarket	112.2		134.0		133.0	
	Industrial machinery	126.1		139.5		133.0	
	Automotive	403.7		500.4		544.0	
	Total	642.0		774.0		810.0	
Operating income (Operating margin)	Aftermarket	14.7	(13.1%)	22.3	(16.6%)	22.5	(16.9%)
	Industrial machinery	4.1	(3.2%)	7.3	(5.2%)	7.5	(5.7%)
	Automotive	-11.9	(-2.9%)	-12.4	(-2.5%)	0.0	(0.0%)
	Total	6.9	(1.1%)	17.1	(2.2%)	30.0	(3.7%)



Aftermarket applications

→P.33

In our aftermarket applications business, we provide bearings for repair for general machineries and automotive aftermarket parts, maintenance tools, and devices to detect abnormality in bearings through our distributors. In this way, we help improve productivity and ensure stable equipment operation.

We also provide a wide range of technical services to resolve issues related to bearings, such as how to handle them. Our remote technical support services share information about the customer's manufacturing site with NTN's technical experts by means of cameras and other equipment so that we can provide quick assistance in resolving issues.

We also provide a reporting service in which NTN's technical experts diagnose and analyze bearings based on the data measured by the "NTN Portable Vibroscope" that customers can use to easily diagnose bearing conditions simply by installing it on equipment. We provide full support for our customers, from supply to after services, such as "NTN Aftermarket Academy" online to enable customers to acquire bearing knowledge.

Mining machinery

ULTAGE
spherical roller bearings with high-strength cage EMA Type

Metal industry equipment

ULTAGE
sealed four-row tapered roller bearings CROU..LL

Paper-making machinery

ULTAGE
spherical roller bearings Type EA, Type EM

Food processing machinery

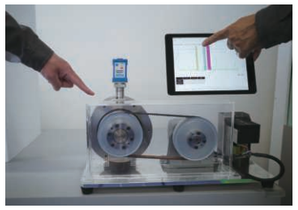
PolyLube sealed bearings for food processing machinery

Cement equipment

Plummer blocks

Remote technical support services

NTN Portable Vibroscope



Auto parts

Part kits with combinations of several bearings

Technical training / maintenance tools

Induction heater

Self-centering hydraulic puller with arms

Technical service units

Industrial machinery applications

➔P.35

NTN supplies a wide range of bearings for various industrial machinery such as construction machinery, agricultural machinery, robots, aircrafts, wind turbines, machine tools, railway rolling stocks, and electronic equipment to reduce the environmental impact. NTN contributes to the development of industry and the creation of a sustainable society by providing products and services that meet the needs for automation and labor saving at manufacturing sites including detection of abnormality in bearings through sensing.

Construction machinery

Applications for resource mining and civil engineering

Agricultural machinery

Helping ensure stable food production

Gearboxes

Helping ensure high robot productivity

Aerospace

Used for worldwide jet engine applications

Machine tools

Helping ensure high machining precision

Rolling stock

Helping ensure safety of worldwide high-speed railways

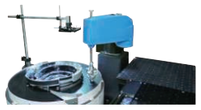
Office equipment

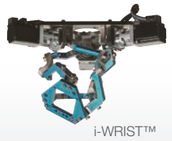
Helping ensure precision operation of copier/ multifunctional printer

Electronic devices

Used for hard disc drive and thin fan motor applications

Robots





i-WRIST™

TRINITTE™

Realizing high-speed, high-performance visual inspection and space saving

Realizing continuous and stable parts picking

Wind turbine

Support rotation of main shafts, gearboxes, generators, etc.

Wind Doctor™

Improve wind turbine utilization rate through condition monitoring

Green energy products

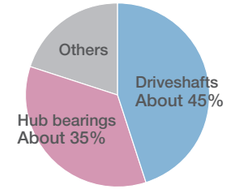
Can be transported to the required location and generate/supply electricity

Contribute to disaster prevention and mitigation with the industry's No.1 quietness

Automotive applications

➔P.37

NTN provides a wide range of products for automobiles as a specialist in the power/drive train system, contributing to fuel efficiency and reducing CO_2 emissions. In addition to core products of hub bearings, driveshafts, and various bearings, NTN provides module products with high functions by combining our products with peripheral components and fusing our core technologies to contribute to the creation of safe, secure, and comfortable future automobiles.

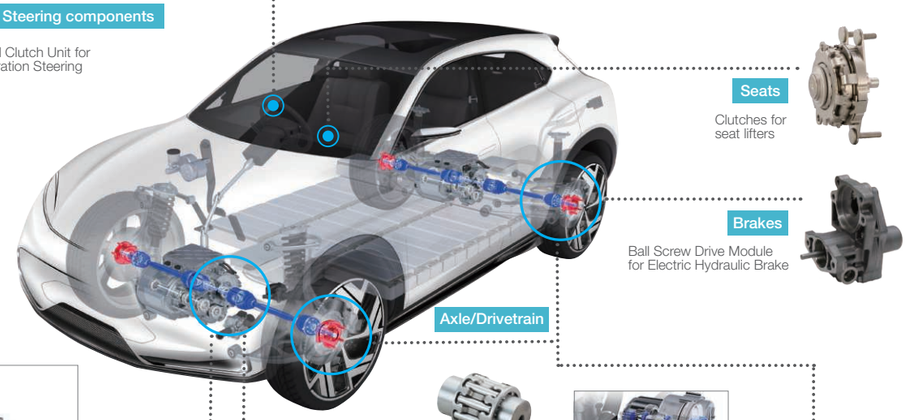


Composition of automotive sales

Steering components

Mechanical Clutch Unit for Next-generation Steering

Combined Controller Module Electric Oil Pump



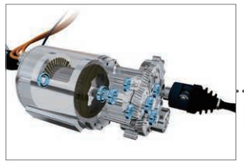
Seats

Clutches for seat lifters

Brakes

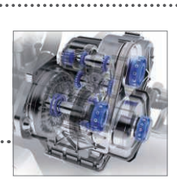
Ball Screw Drive Module for Electric Hydraulic Brake

Axle/Drivetrain



Motor

Needle Roller and Cage Assemblies for Planetary Gear



High Speed Deep Groove Ball Bearings for EVs and HEVs

Bearing with Insulating Coating

CreepLess Bearing

Hub bearings

Ra-sHUB

sHUB

eHUB

Hub Bearings with High Resolution Rotational Sensors

Low Friction Hub Bearing III

Driveshafts

Compact Lightweight Rear Driveshaft R Series

GEN4 Hub Joint

High Efficiency Fixed Type CVJ "CFJ"