

Leveraging the Vast Potential of Materials to Fulfill the Needs of the Global Community

High-Grade Metal Products and Materials

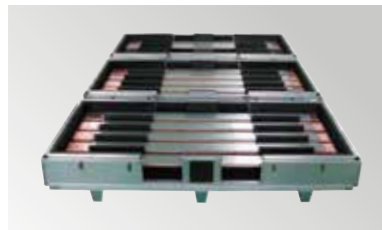
- Specialty steel
- Rolls
- Amorphous metals



DAC-MAGIC™ die cast tool steel
This die cast tool steel combines sufficient high-temperature strength and durability to tolerate the heat cycle of heating and cooling.



Piston ring materials
Contributing to enhanced engine performance, high-performance piston ring materials are available in contour and multi-gauge strips.



Sputtering target materials
Unique new materials are developed and supplied for use in liquid crystal displays, touchscreens and other next-generation applications.



Rolls for steel mills
A broad spectrum of rolls is available for steel, nonferrous and non-metal rolling applications.



Metglas® amorphous metals
This soft magnetic material lowers electric energy consumption by reducing the loss from transformers and related devices, thereby contributing to the reduction of CO₂ emissions.

Magnetic Materials and Applications

- Magnets
- Soft ferrite and other soft magnetic materials, and their applications



NEOMAX® rare-earth magnets

Magnets

A variety of high-performance products are supplied, including the world's top brand NEOMAX® rare-earth magnets, as well as ferrite magnets.



NMF™ series sintered ferrite magnets



Soft ferrite and other soft magnetic materials, and their applications

Soft ferrite is an iron oxide-based soft magnetic material. Its applications range from use in household products to use in products for industrial, IT-related, automotive, and various other products.



FINEMET® nanocrystalline magnetic materials

FINEMET® nanocrystalline magnetic materials developed by Hitachi Metals are used in products we supply to reduce electromagnetic noise, power electronic components, etc.



Amorphous metal cut cores

Through their use as solar power generation inverters, wind power generation converters, and other power conversion system reactors, amorphous metal cut cores make a handsome contribution to further raising power conversion efficiency.

High-Grade Functional Components and Equipment

- Casting components for automobiles
- Piping components



High-toughness ductile iron castings HNM™ series

The HNM™ series of castings have excellent low-temperature toughness and extremely accurate dimensions. With the use of computer-aided engineering (CAE) technologies, they can be delivered in a near-net-shape state, contributing to the production of thin-walled automobile components that are lighter.



HERCUNITE™ heat-resistant exhaust casting components

Offering increased resistance to heat and oxidation, these components are used in the exhaust lines of automobiles, including exhaust manifolds and turbine housings. They improve the environmental friendliness of automotive products.



SCUBA™ aluminum wheels

These automobile wheels are created by employing high-precision casting and CAE technologies, and meet discerning demands for high strength, light weight and advanced design.



Polyethylene gas piping systems

Our corrosion-free, serviceable and earthquake-resistant polyethylene tubes and joints provide better solutions for gas piping.



Pipe fittings for general use

These eco-friendly pipe fittings for general use are galvanized with a highly pure form of zinc that has a significantly low lead and cadmium content.

Wires, Cables, and Related Products

- Electric wires and cables
- Automotive products
- Information systems



Wires and cables for rolling stock

Our wires and cables are used in bullet trains and many other trains operated in Japan and overseas in cabs, underfloor wiring, and wiring between rolling stock, transmitting electricity and signals for railways and thereby supporting railroad infrastructure.



Probe cables for ultrasound diagnostic equipment

These lightweight cables excel in elasticity and flexibility, and have high-quality electrical characteristics. They provide ease of handling and high-definition images, contributing to the development of medical equipment.



Enameled wire for high-efficiency motors

This wire product is used in the drive motors of hybrid vehicles, industrial-use servomotors, and other such products, reducing the impact on the environment and saving energy.



Harness for Electric Parking Brakes

We developed harnesses for use in electric parking brakes that excel in flexural resistance and durability. This helps conserve space inside the cabin and elevates vehicle safety and convenience.



APRESIA™ Ethernet switches

Our wide variety of products are used by telecommunications carriers in their wide-area Ethernets and mobile networks, and also meet the LAN system construction needs of general businesses and government agencies, thereby comprehensively supporting the information and telecommunication infrastructure.

* Ethernet is a registered trademark of Fuji Xerox Co., Ltd.