

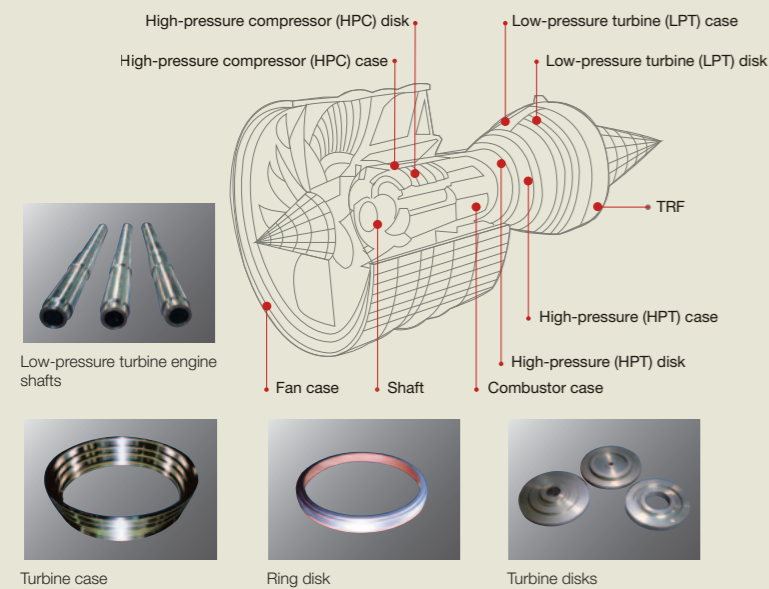
Achievements of Value Creation

Industrial infrastructure-related segment

Aircraft- and energy-related materials that exhibit high reliability and functionality in increasingly harsh operating environments amid further improvements in fuel efficiency and even higher output

Backed by our independently developed materials technologies and quality assurance and R&D systems, we have continued providing materials and services that are trusted by customers around the world. Through specialized melting technologies and advanced manufacturing processes, we will continue delivering valuable products while contributing to innovation in the world's aircraft and energy industries.

Aircraft jet engine



High-performance materials and products helping deliver excellent performance and reliability in harsh operating environments



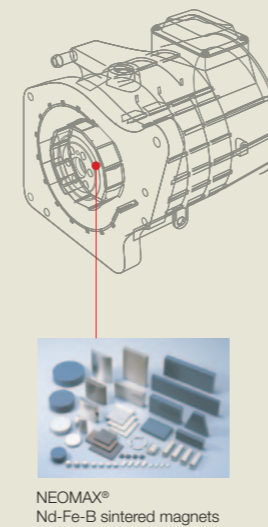
While the materials we make are rarely seen by end-users, they play a major role in the performance and quality of final products. The Hitachi Metals Group is constantly innovating its processes based on ideas and concepts that reflect customer needs. At the same time, we are refining the appeal of our products to help create value for the final products used by customers in wide-ranging segments.

Automotive-related segment

Magnetic materials with excellent magnetic properties that help realize highly energy-efficient automobiles

Our magnetic materials are used in drive motors and power generators that form the core of environment-friendly hybrid and electric vehicles. We led the world in launching mass production of NEOMAX® Nd-Fe-B sintered magnets that, despite being permanent magnets, display an unparalleled class of magnetic properties and contribute to advances in motor compactness and performance. Moreover, our use of DDMagic™ and other diffusion technologies for heavy rare earth metals helps reduce the volume of heavy rare earth metals used and facilitates the supply of magnets delivering even greater performance.

EV drive motor



Magnetic materials that contribute to advances in motor compactness and performance

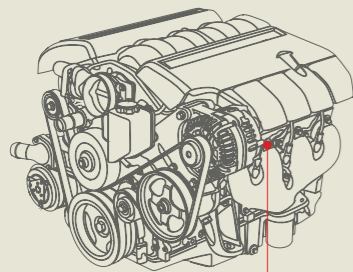


Automotive-related segment

Utilizing the Group's technological capabilities to supply high-performance components that are essential to the advancement of automobiles

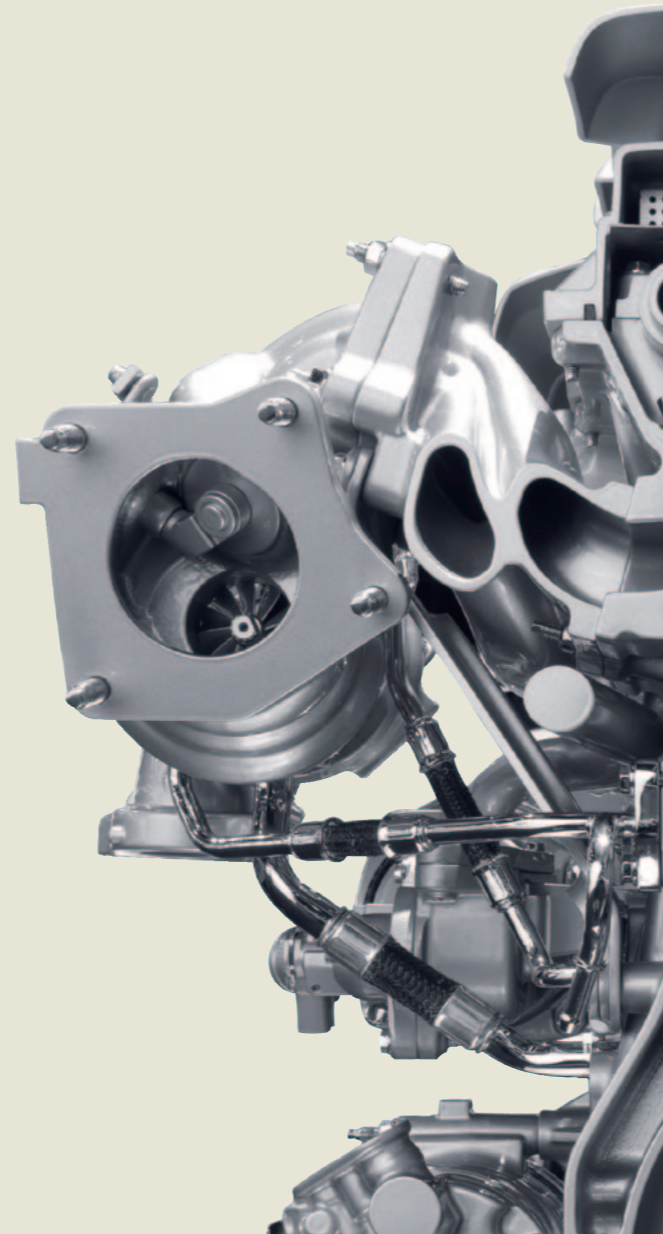
In terms of performance, automobiles are advancing with each passing day. For many years, the Hitachi Metals Group has developed automotive components for a broad range of applications—including for engines, exhaust systems, steering, chassis, and electronic equipment—thus contributing to automotive advances. Our HERCUNITE™ heat-resistant casting components are used in the turbo systems of downsized engines to improve environmental performance. Thanks to these products, which deliver outstanding heat resistance and can accommodate complex forms, we are able to meet the needs of customers.

Automobile engine



HERCUNITE™ heat-resistant casting components

Materials consulting expertise
Exceptional heat-resistance
Accommodate complex forms

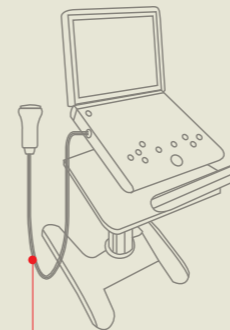


Electronics-related segment

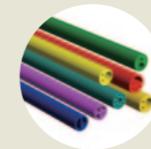
Capitalizing on our technologies in cables and tubes to enter the segments of medical diagnostics, analysis, and treatment

The Hitachi Metals Group contributes to advances in medical technologies through its magnetic and electric cable materials technologies. Our probe cables for ultrasound medical diagnostic equipment used in echocardiography are light in weight and offer exceptional flexibility and durability. They also feature excellent electrical characteristics and operational ease, and deliver high-resolution images. In addition to medical diagnosis, we are active in medical treatment through our business in catheters and other medical tubing. In these ways, we contribute to improvements in medical technologies.

Ultrasound medical diagnostic equipment



Probe cables for ultrasound medical diagnostic equipment



Medical tubing

Excellent elasticity, flexibility, and electrical properties
Fine porous molding technology

