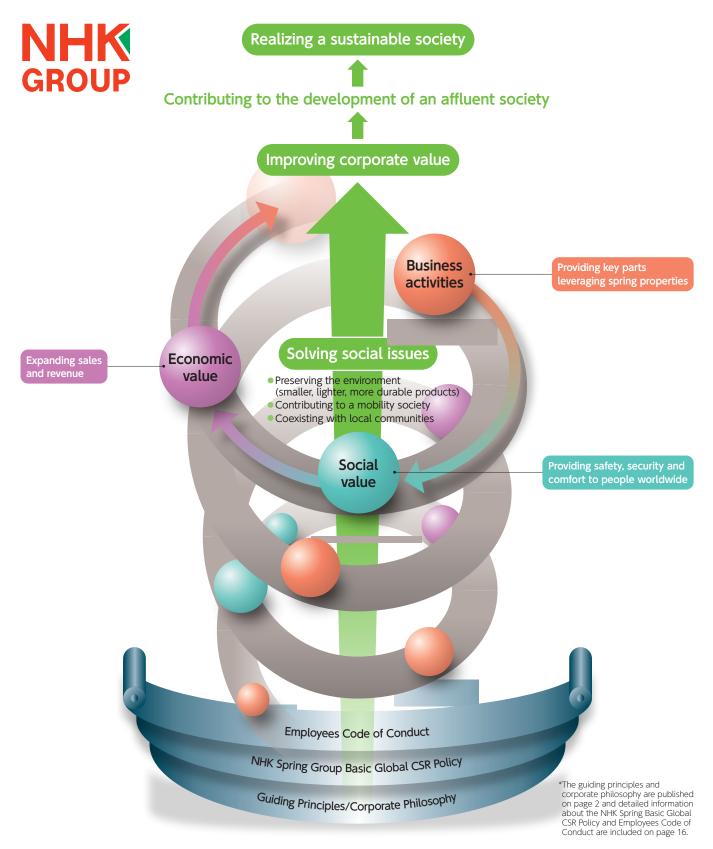
Value to Society Provided by NHK Spring Group

We build new products that are able to adapt to the needs of the times and contribute to society. NHK Spring started in producing automotive suspension springs before expanding into automotive, telecommunications, manufacturing and lifestyle sectors through its core spring technologies as well as metal heat treatments and plastic fabrication technologies. We reinvest the economic value brought by solving social issues through our business activities in new next-generation businesses and will contribute to the development of an affluent society by building and sending out innovative key parts to the world.





Automotive suspension springs Coil springs absorb shock and vibration from the road surface. Stabilizer bars help prevent automobiles from tilting during cornering and lane changes. Leaf springs help ensure both a comfortable ride and stability while driving. Designing our products to be smaller and more lightweight also helps improve fuel efficiency of automobiles

Automotive seats

We produce automotive seats with excellent levels of comfort and safety, completely in-house from design and development through assembly. Our seats must pass through our strict testing criteria to ensure that we provide only the best seats to users in terms of design, durability, comfort, and other expected qualities.





Emphasizing Product Development for Electric Vehicles

NHK Spring set up the Electrification Business and Promotion Department as an organization under the direct control of the President and Chief Executive Officer in April 2018. As the automotive industry advances electric vehicles, we are leveraging our core technologies and strengths to focus on the development of new products for electric vehicles. We will further emphasize research and development of products in the future by expanding manufacturing of motor cores and Integrated Metal Substrate for all electric vehicles in the initial stage of these activities.



These motor cores are used in EV/HEV drive motors. The motor is made up of the magnetic cores of the rotor and stator. This product requires high-precision press fabrication technology.

Valve springs

Arc springs

efficiency.

Disc springs

in automobiles.

We are constantly improving durability and

heat resistance through the development of materials and processing methods.

These products are highly reliable in their

These arc-shaped springs are designed with

manual transmissions in automobiles, which

These springs are small, yet capable of handling significant loads, and so are often used in CVT and automatic transmissions

a long stroke for suitable applications. These springs are used to achieve low stiffness and expanded torsion angles for

clutch dampers used in automatic and

helps reduce vibration and improve fuel

support of high-revving engines.



Integrated Metal Substrate

Each core provides superior heat dissipation by combining metal such as aluminum and high-heat conductive insulation. These boards protect electronic devices from heat, which improves reliability and facilitates compact designs.





Data communications

HDD suspensions and

mechanical components Suspensions support the magnetic heads in HDD devices used in personal computers and other consumer electronic devices. Our HDD components are trusted around the world to make HDDs smaller, faster, and with higher capacities.



Semiconductor equipment parts

We produce high-performance products such as heater and cooler units used in semiconductor manufacturing equipment and even electrostatic chucks integrated with both heaters and coolers.





Super Seal / Super Sheet

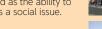
These materials are made of special urethane foam and used in applications to create waterproof and airtight seals as well as provide sound absorption and cushioning. These products maintain stability and have excellent resiliency even under low compression, which is why they are used in many industries such as automotive, electronics, architecture and civil engineering.



Industry and lifestyle

Mechanical multilevel parking systems

We provide a rich variation of multilevel parking systems for customers to choose from while taking into account various requirements such as the lot area and economy. These structures effectively use land as the ability to provide adequate parking becomes a social issue.



Pipe support systems

These systems are used to reduce noise and vibration produced in plant and hydraulic equipment, which helps improve safety of facilities.

Tension balancers

Tension balancers absorb flexion that occurs in cables that provide electricity to the railroad pantograph, which helps ensure a constant tension and safe operation of traincars.

Golf club shafts (Nippon Shaft)

We offer the N.S. PRO line of lightweight steel shafts. This brand is famous all over the globe for the control and distance these shafts offer golfers. In particular, the metal golf shafts hold an 80% market share and are used by more than 70% of professional female golfers.

"Trustgram" and "Hypergram" anti-counterfeit labels

These label stickers help protect the counterfeiting of name-brand goods such as consumer electronics devices, personal computer components, automobile parts, sporting goods, and others.

Maritime related products (NHK MEC)

We offer products renowned for their high reliability to various fields in maritime.

