

Our Mission

Corporate Philosophy

We are contributing to the effective use of limited resources on planet Earth, creating new value of resources through surface modification of all kinds of materials, preserving the global environment, and realizing an affluent society.

What is surface modification?

All materials have a surface. Each material has its characteristics, just as each person has their personality. Surface modification is a technology that alters only the boundary in contact with the outside world -- in other words, the surface -- without changing the material's inherent characteristics. With this technology, we can develop or significantly alter the original characteristics of a material, occasionally imparting properties that are precisely the opposite of the original ones.

For example, iron is prone to rusting, but rust can be prevented by forming a thin film on its surface. Meanwhile, steel has hard properties, but modifying the depth from the surface to a few micrometers (μm) level makes it harder and prevents wear. In other words, we can extend the life of materials and increase the number of times they can be used by overcoming their shortcomings and difficulties and enhancing their advantages.

Surface modification is derived from the accumulated knowledge of people caring for things. It is a technology that truly embodies the concept of sustainability.

Look around the city and see Nihon Parkerizing's technologies used everywhere. Look, here, there and everywhere!

Every material has a surface. The surfaces vary widely in appearance and feel, shiny or glittering, smooth or rough.

The surfaces have various functions that our five senses cannot capture. Each of these surfaces supports our life and society as a function.

The Nihon Parkerizing Group specializes in surface modification, which gives functionality to any surface. We are opening up the future by adding functions to the surfaces of valuable materials in our daily lives.

For skyscrapers that line the streets



We contribute to protecting building structures from earthquakes by improving the adhesion of seismic isolation rubber.

For home appliances for everyday use



We contribute to extending the service life of refrigerators by improving lubrication at the compressor.

For the smartphone that we are using now



We improve the efficiency of micro-motors in smartphones, reducing their power consumption.

For aluminum cans that we see every day



We increase the adhesion between the can surface and paint, thus making cans look better.

For airplanes that fly through the skies



We improve the corrosion resistance of airplanes' aluminum surfaces to protect them from the harsh flying environment.

For satellites that shine in the night sky



We have developed a lubricant that is effective even in the vacuum of space. We supply it to artificial satellites.

For ships that sail the oceans



We apply rustproofing to moving hull parts to protect ships from salt water.

For bridges spanning the sea



The anti-corrosion effect enhances the maintainability and safety of bridges.

For cars that drive around town



Our technologies protect their bodies from corrosion, improving their durability.