Value Provided by Toho Titanium

Value of titanium

Lightweight

Beauty

Taking advantage of the excellent characteristics of titanium, such as lightweight, high strength, high corrosion resistance, and biocompatibility, our Group's products are used in a wide range of markets, including aircraft and chemical industries, communication equipment, medical care, and automobiles.

Our Group will continue to take on challenges even in the midst of all kinds of changes in the external environment and will grow as a leader in the global industry by working to further improve the quality, functionality, and added-value of our products.

Our customers in various fields



Aircraft

In addition to being used in aircraft engines, our products are widely used in body materials to reduce aircraft weight and improve fuel efficiency.

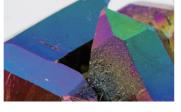


Technology

Corrosion resistance

Biocompatibility

Strength



Titanium-related technologies

As one of the world's leading titanium manufacturers, the Toho Titanium Group operates 4 businesses: the Titanium Business that manufactures and sells titanium metal; the Catalyst Business and the Chemicals Business based on the Titanium Business; and the New Materials Business which opens up new possibilities for titanium.



Sustainable technology

We have expanded our business domain by developing technologies that enhance the value of titanium with its various characteristics while ensuring that we meet our customers' identified needs. We promote the development of new products that contribute to the reduction of global environmental impact, resource utilization and the spread of clean energy.



Production technology, production facility

Our Group is committed to manufacturing with a constant focus on stable production of product quality. We deploy the core technology we have developed through the titanium smelting method (Kroll method) and are expanding our facilities.



Production sites

With 6 production sites in Japan and overseas, we have established a system that can respond to BCP and all needs of communities.



General industry

Titanium, which is resistant to corrosion even in environments where it is exposed to chemicals and seawater, is widely used in LNG plants, seawater desalination plants, and chemical plants.



Construction

Titanium is used as a material for building components that require long-term durability and earthquake resistance, such as roofing materials for temples, shrines, and public buildings.



Automobile and motorcycle

Catalysts for polypropylene production are used in a wide range of industries, including food containers, packaging materials, hygienic consumer materials, and automotive interiors and exteriors



Electronic materials

Ultra-fine nickel powder is used in MLCC, which is embedded in many electronic devices, such as smartphones, cars, and home appliances.



Health and wellness

High-purity titanium oxide is approved as an additive for pharmaceuticals, such as film coatings of tablets, and is used by many pharmaceutical companies.



Marine civil engineering

Our products are used as a construction material for public facilities such as the pier for Haneda Airport runway and the Tokyo Wan Aqua-Line Expressway, supporting important urban infrastructure.



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