

# Our Roles in Value Chains

Major Environmental Tasks Being Tackled by the RIKEN TECHNOS GROUP throughout All Value Chains

Reducing CO<sub>2</sub> emissions

Values being provided by the RIKEN TECHNOS GROUP

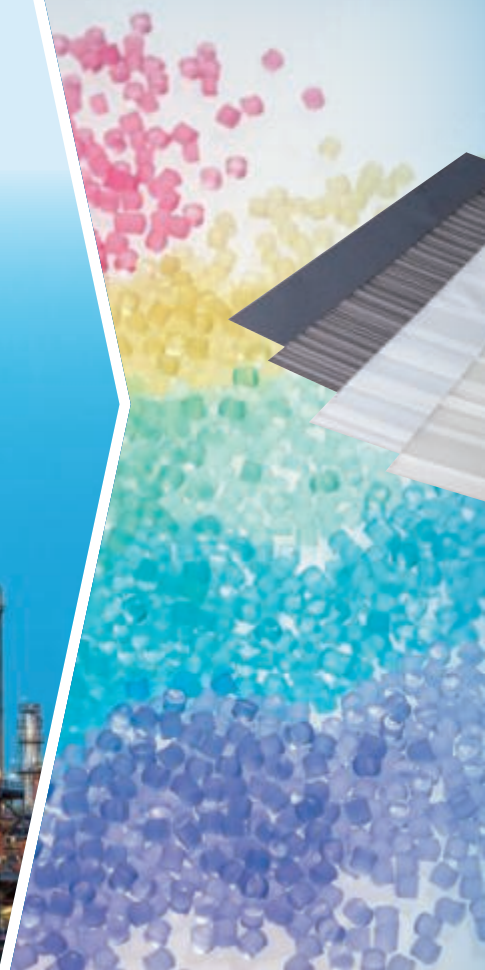
Procurement
R&D
Production
Quality control
Sales and marketing

- Using raw materials that comply with regulations in each country
- Developing products that use raw materials with low environmental risk
- Constantly searching for a variety of raw material sources
- Developing products that use plant-derived raw materials
- Developing products that use biodegradable raw materials

- Reducing CO<sub>2</sub> emissions
- Reducing industrial waste
- Managing chemical substances

## Raw Material Suppliers such as Petroleum Companies

Crude oil is procured stably from oil-producing countries. A variety of chemical compounds are mixed in with crude oil, which are sorted out to extract naphtha, a petrochemical raw material. A variety of plastic raw materials are created from naphtha.



RIKEN TECHNOS GROUP's products are positioned as intermediate raw materials. Compound products and film products are transformed into many parts to support people's living spaces. This featured article describes the environmental issues that the RIKEN TECHNOS GROUP is tackling and the value we are providing throughout value chains for a variety of industrial products.

## Reducing industrial waste

- Designing products that meet customers' performance requirements
- Designing products that can be processed using less energy
- Loss-less manufacturing processes

## Managing chemical substances

The major environmental tasks are selected based on the initiatives for tackling the five major tasks specified in the Mid-term Business Plan, as well as the results of ISO-based management review of the notable environmental aspects at each business site.

- Providing RIKEN TECHNOS products that satisfy performance requirements
- Providing RIKEN TECHNOS products that are lighter in weight to improve fuel efficiency
- Supplying RIKEN TECHNOS products that can be easily processed and lead to energy conservation
- Supplying RIKEN TECHNOS products that are less likely to produce loss during processing

## RIKEN TECHNOS

We combine various resins, plasticizers, stabilizers, etc. procured from raw material suppliers, and process them into compounds, films, food-wrapping films, and other products.

As a rule, we design our products according to customers' desired specifications. We manufacture our products by taking advantage of RIKEN TECHNOS' proprietary formulation and processing technologies for raw materials.

## Molding companies

Compounds and films, which are plastic products processed by the RIKEN TECHNOS GROUP, are molded into a variety of parts at molding companies.





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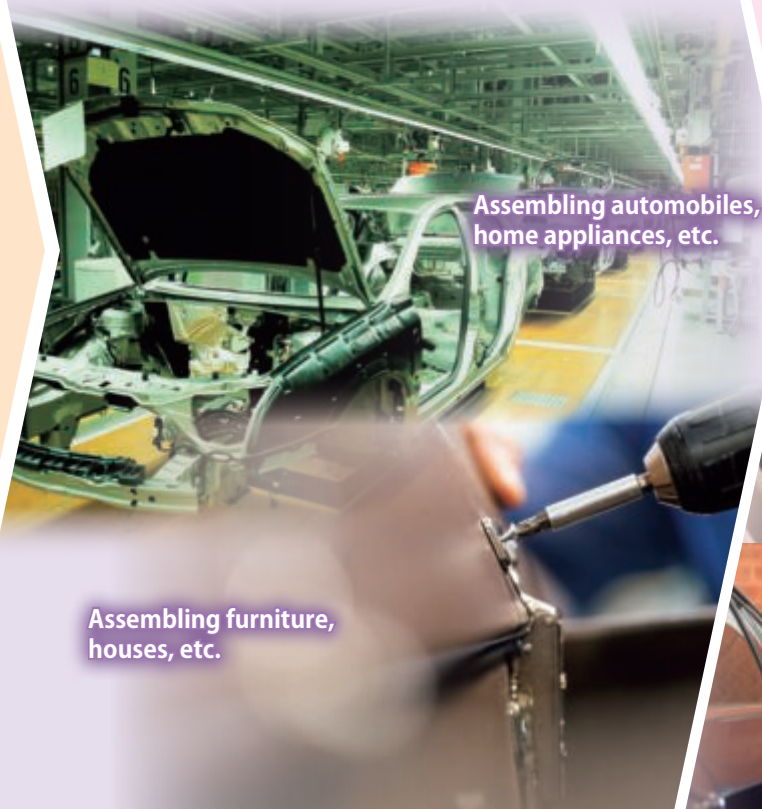
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- Finished products are delivered to consumers.

## Final assembly companies

Various parts procured from molding companies are assembled into final products, such as automobiles, medical equipment, and houses, by final assembly companies.



Assembling automobiles, home appliances, etc.

Assembling furniture, houses, etc.

## To consumers

### Automotive field

RIKEN TECHNOS GROUP's products are used in a variety of parts, helping realize comfortable driving and vehicle spaces.

The shift towards greater use of electric vehicles makes cables that ensure safe charging essential. The RIKEN TECHNOS GROUP will provide high-performance compounds we developed for use as covering materials for cables.



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- The RIKEN TECHNOS GROUP will continue development work with the aim of becoming the leading provider of comfort for all living spaces.

- We are aiming to develop and sell products that can be easily recycled.
- We will continue developing products that place a reduced burden on the environment during disposal.

### Electronic materials field

We are providing a variety of covering materials for electrical wires. Since electricity is indispensable in modern infrastructure, houses, and automobiles, etc., many compounds for covering materials made by the RIKEN TECHNOS GROUP are being used, supporting peoples' everyday life from behind the scenes.

### Medical and healthcare field

We are globally providing safe products for use in medical equipment parts. These products help patients use the equipment with peace of mind and also reduce the workload of medical personnel.

### Housing field

RIKEN TECHNOS GROUP's products are being used in construction parts and decorative film for furniture, etc. Our aim is to provide comfortable living spaces.

### IT & Electronics field

We are changing displays from glass to film. This reduces weight and prevents breakage. We will continue developing completely unique products.

## Disposal and recycling