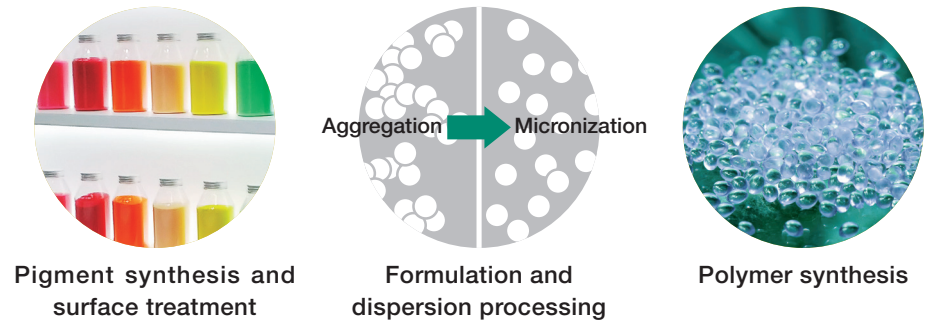


Our Technologies

We provide new value through our various accumulated technologies, which integrates our three core technologies depicted in the diagram for product development.

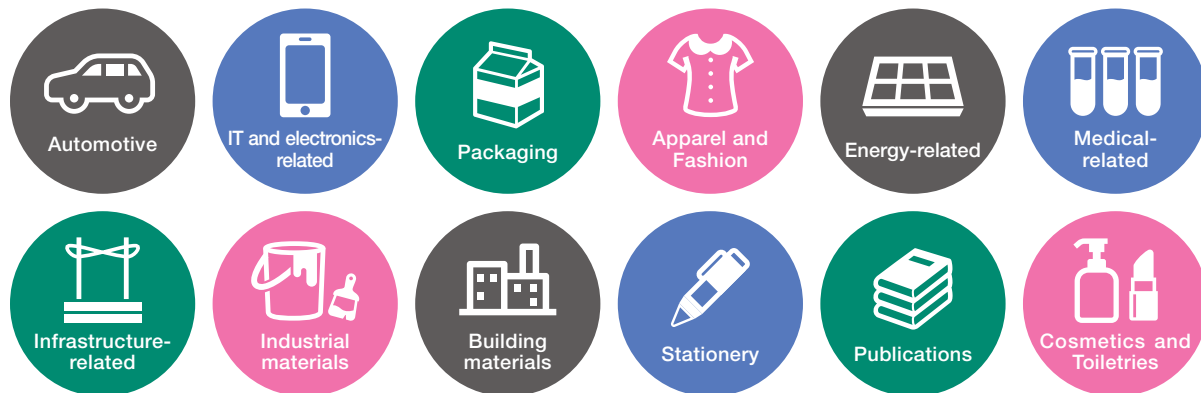
Our Three Core Technologies



Products

Pigments	Polyurethane
Pigment dispersants	Paints and coatings
Textile colorants	Adhesives
Plastic colorants	Polymers derived from natural substances
Printing inks	Color control systems

Fields



Four Priority Target Areas and Products

Three Indicators for R&D in Evolving Fields

- Promotion of environmental friendliness and ESG and SDGs support**
 - R&D products that have low environmental burdens and contribute to reducing food waste
 - R&D products that contribute to weight saving and support energy conservation through components of batteries and other devices
- Development of high-performance materials**
 - R&D for functional nanomaterial products and substances
 - Conduct of R&D focused on pigment functionality
- Promotion of fundamental R&D conducted through internal and external collaboration**
 - Conduct of fundamental R&D of environmentally friendly and high-performance materials for the next generation

Example products

- Polyurethane derived from carbon dioxide
- Biodegradable fine particles
- Cosmetic materials
- Biomass-derived products
- Water-based products

Example products

- Carbon nanotube (CNT) dispersion
- Heat dissipation materials
- Pigment dispersants
- Functional pigments

Example products

- Functional polymers
- Low-friction polymers
- Fuel cell catalysts

Technologies and products adapted to our four priority target areas

Four Priority Target Areas

- | | |
|--|--|
| TARGET 1 Environment
Focus on the development of materials that reduce volatile organic compounds, as well as biomass-derived materials. | TARGET 2 Energy
Focus on the development of materials that contribute to energy conservation and storage. |
| TARGET 3 Personal care
Promote the development of materials for medical devices and cosmetics that add color and comfort to life. | TARGET 4 IT and electronics
Focus on the development of information display and recording materials that contribute to the advancement of the information society. |