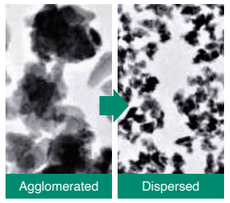
Our Technologies

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

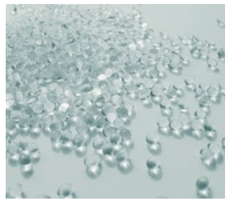
▸ Please refer to this website for more information on our three core technologies.
https://www.daicolor.co.jp/english/rd/solutions/index.html

Our Three Core Technologies

Pigment Synthesis and Surface Treatment



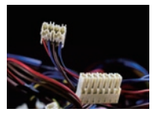
Formulation and Dispersion Processing



Polymer Synthesis

Segment Overview

Color & Functional Products — Pigments and Secondary Pigment Processed Products —

		Main products	Main applications
Pigments	**Inorganic and organic pigments*1 are used in a wide range of applications, including paints, printing inks, and for displaying and recording information, as well as for imparting functionality such as heat dissipation and infrared reflection**	● General-purpose pigments ● Pigments for color filters ● Pigments for inkjet printers ● Pigments for toners ● Cellulose powder ● Thermally conductive inorganic powder	 Color filters for LCD panels  Inks for inkjet printers
Colorants and resin compounds	**Colorants for information display and recording materials, mass colorants*2 for synthetic fibers, pigment printing agents*3, paper colorants as well as coloring agents for a wide range of resins, including polyvinyl chloride, general-purpose resins, and engineering plastics**	● Colorants and functional material master batches for thermoplastic resins ・Mass colorants for synthetic fibers ・Pigment printing agents ・Paper colorants ・Colorants for polyvinyl chloride ・Colorants for fluororesin ・Colorants for olefin resin ● Colorants for thermosetting resins ● Functional material compounds	 Fibers for apparel  Wire harnesses

*1 Inorganic and organic pigments: Pigments, which are the source of color, can be divided into inorganic pigments made from inorganic substances such as metals, and organic pigments made from organic substances.
*2 Mass colorants: A colorant that is added to the resin before it is spun.
*3 Printing agents: A material used when printing on cloth.

Polymer & Coating Materials — Synthetic Resins and Special Coating Agents —

		Main products	Main applications
Polyurethane resins	**Polyurethane resins and colorants used in synthetic leather and molded products, special coating agents and adhesives that impart functionality, and imide resins, which are representative heat-resistant resins**	● Polyurethane resins, surface treatment agents, adhesives, and colorants for synthetic and artificial leather ● Adhesives for flexible packaging materials and industrial materials ● Coating agents for thermal recording, functional coating agents ● Paint additives ● Materials for various types of molding (injection, extrusion, calendaring, etc.)	 Automotive interior materials
Naturally-derived functional polymers	**Chitosan*4, which is made from crab shells, and other naturally-derived functional polymer products made from various marine organisms and natural products that have been extracted for their active ingredients**	● Chitosan derivatives made from crab shells ● Solid cosmetics using base materials such as polysaccharides and proteins	 Cosmetics
Coating agents	**UV and EB curable coating agents and decorative and functional coating agents used in the information and electronics fields, the automotive field, and the interior building materials field, etc.**	● UV and EB curable coating agents	 IT devices

*4 Chitosan: A naturally occurring material found in the shell skins of arthropods and crustaceans such as crabs and shrimps. It is a substance obtained by alkali treatment of polysaccharides whose chemical structure resembles cellulose.

Graphic & Printing Materials — Inks for Packaging and Advertising & Publishing —

		Main products	Main applications
Printing inks	**Gravure printing inks, coating agents, and water-based flexo printing inks that can all be used to print on a variety of base materials , and offset printing inks and special inks used for paper media such as newspaper inserts, books, and packaging materials**	● Gravure inks ● Flexo inks ● Coating agents ● Offset inks ● Adhesives	 Beverage bottle labels  Environmentally friendly packaging  Paper packaging materials for daily necessities  Books and advertisements

We have established the following policies as a guideline to promote our sustainability activities.

- CSR and ESG Basic Policy
- Information Security Policy
- Human Asset Development Policy
- Environmental Policy
- Health and Safety Policy
- Internal Environment Development Policy
- Quality Policy
- Human Rights Policy
- Purchasing Policy
- Multi-stakeholder Policy
- Health Management Policy

Please refer to this website for the respective policies of Dainichiseika Group.
https://www.daicolor.co.jp/english/csr/policy/index.html