



CORPORATE PROFILE

Topre Corporation

www.topre.co.jp/en/



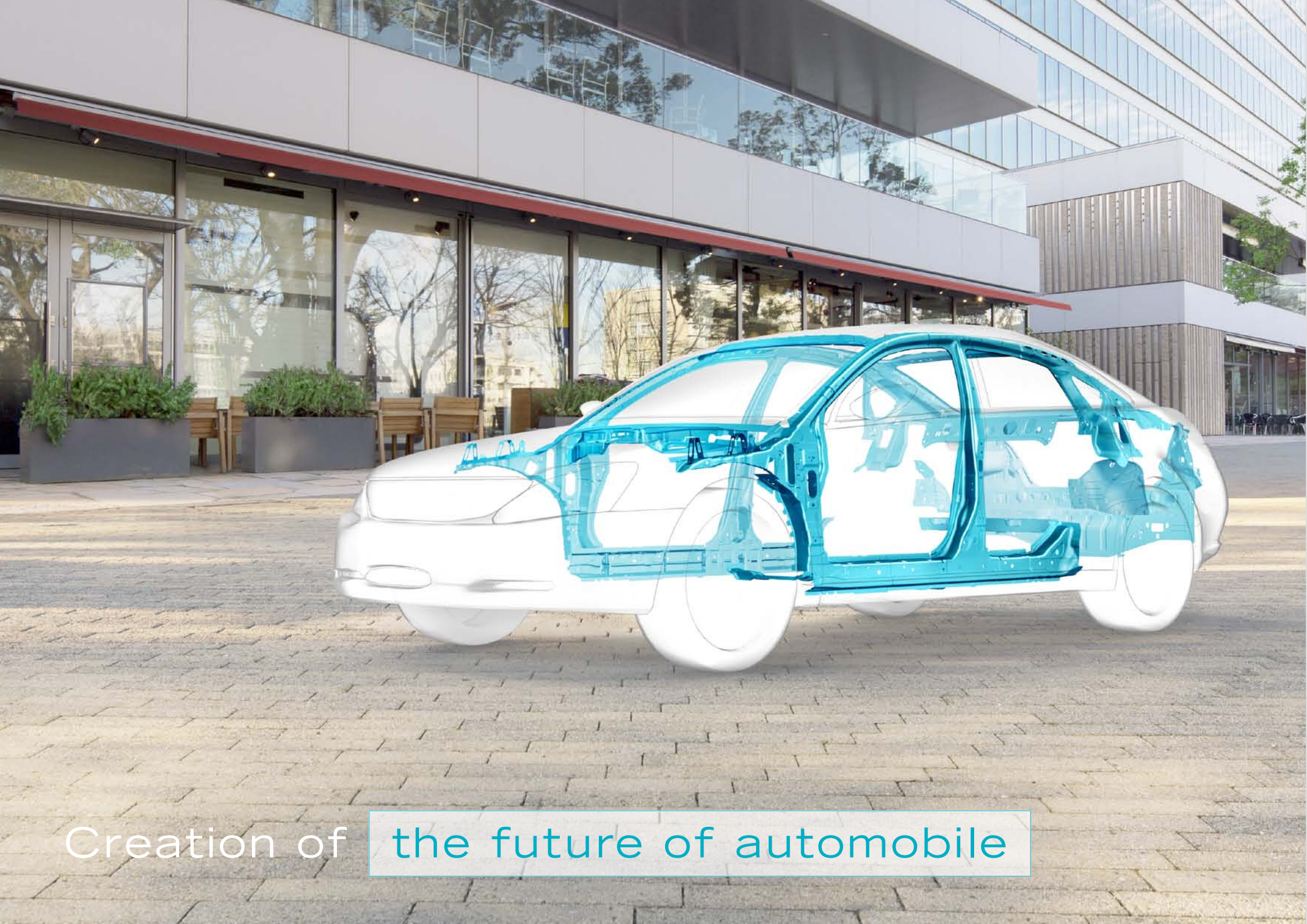
Creation of new lifestyle

We create every kind of products from a sheet of metal.
We pursue strength, lightweight, finesse, and precision.
Since our establishment in 1935, Topre has been expanding the possibility of metal press forming technology.

Our innovations and developments assume a critical role,
When the automobile industry creates safe and environmentally-friendly products,
And when refrigerated vehicles secure food safety.
Topre's unique technologies and creativity can be found,
In air-conditioning equipment necessary for cleaner atmosphere,
And in electronic equipment indispensable for the future of IT society.

Creation for new lifestyle and business environment.
Creation for the future of society.
Topre products, creating the future of our world.

Topre



Creation of the future of automobile

Press-related Products

Technology of metal press forming, changing the future of automobile.

Since our establishment in 1935, Topre has been advancing metal press forming technology. Utilizing unique die design technology and originality and sophisticated planning & developing ability as an independent manufacturer, we have been developing a multitude of high quality automobile parts. In addition, we are equipped with multiple types of CAD software and CAE system for high precision analysis so that we can respond to each customer's requirements. This fully equipped development environment is completed by our integrated production system. We can carry out all processes, from development to mass-production, in a short turnaround to fulfill our customers' demands quickly and accurately.

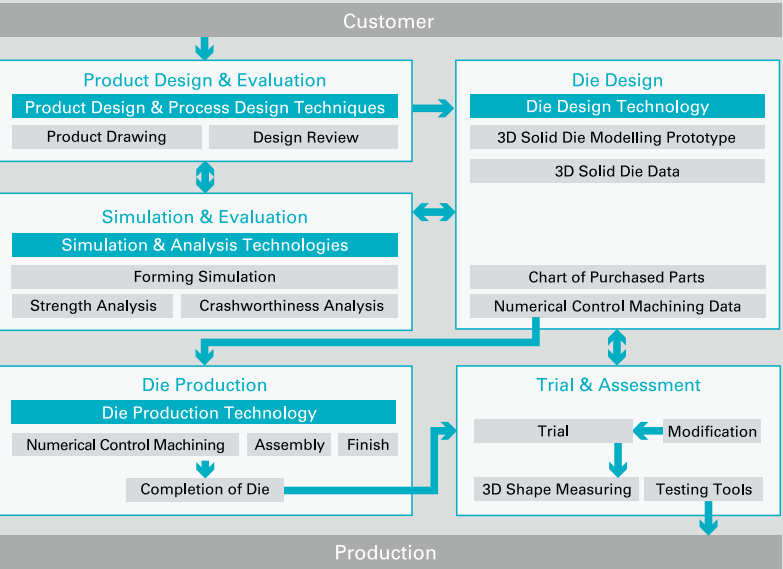
Metal press forming technology enables more environmentally friendly driving.

One of many advantages at Topre is metal press forming technology for high-tensile steel plates. High-tensile steel plate has especially high strength and lightness among many steel materials, but its press forming was very difficult. With our high technical capabilities, Topre was quick to start commercialization of press formed high-tensile steel plates. We have even succeeded in press forming of ultra-high-tensile steel plates with the strength of 1180MPa. Furthermore, by simultaneously implementing press and thermal processes on steel plates, we improved the material strength significantly. In this method, we accomplished material strength of 1470MPa. For battery cases, introduction of the closed sectional shape has led us to improve rigidity and decrease cost. We are cultivating lighter weight, reinforced automobile parts for the purpose of supporting achievement of CO₂ emissions-reduction target and improvement of fuel efficiency.

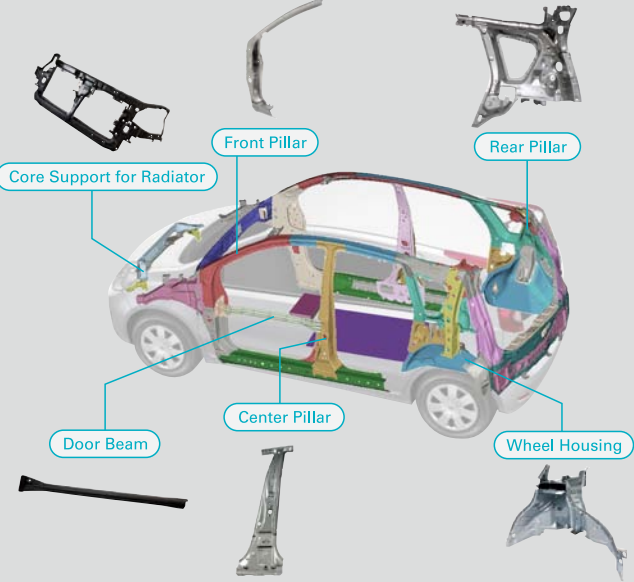
Continual improvement of technology for every living and business environment.

Topre provides its signature technology in daily lives and various business fields. Our sophisticated metal press forming technology is utilized in other fields than the automobile industry. In the office automation equipment category, we have taken part in the early development stage of photocopiers and printers, including strength analysis by CAE and mass-production planning, to ensure the high specifications demanded by manufacturers for their housings. In the traffic light apparatus business, we have been developing easy to maintain and install products. Flexible application of our core technology in different business fields is one of our advantages.

Design and Evaluation Cycle

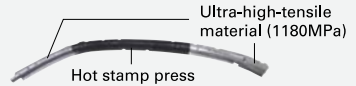


Main Mass-production Products



Battery Case

Suitable shape and thickness are selected by analysis for lighter weight and more stiffness.



Hot Stamp Press Product

Topre developed new hot stamp press method for more strength and lightness. In this new hybrid method, press process and thermal process are simultaneously implemented on steel plates.

Application of metal press forming technology



Traffic light apparatus



Creation of the food safety

Constant Temperature Logistics Products

Topre's integrated production system for precise thermal control.

Precise thermal control is indispensable for safe and flavor/taste conscious delivery of foods. We are the only manufacture in Japan who has integrated production system for refrigeration units and containers, with selectable materials for containers from highly durable FRP of high thermal insulation capacity or lightweight aluminum. The product line includes variety of vehicle types such as light vehicles and heavy vehicles, and temperature specification is selectable from low to middle temperature settings and those with heating function. Topre will deliver suitable refrigerated vehicles to every customer.

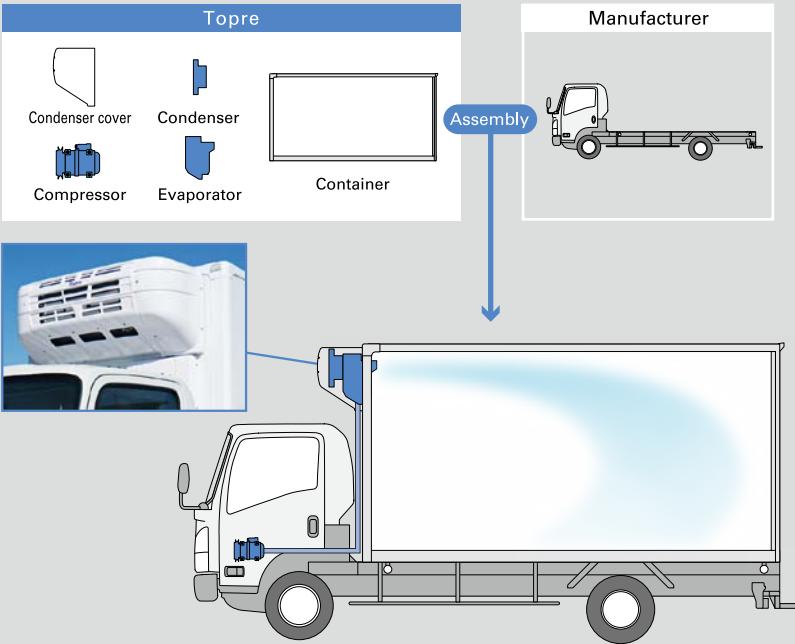
Unprecedented technologies and creativity, providing the next generation safe food.

One example of our innovations is the RH (refrigerant-heating) system which enables both cooling and heating using refrigerant. In this system, front and rear compartment of two-compartment refrigerated vehicle can be separately controlled. Our XV Series utilizes the lightest frame in the industry and high-efficient thermal exchange system for improved cooling capacity, delivering higher performance (10% or more) than existing models. Topre will keep on contributing to the society with its advanced thermal control technologies.

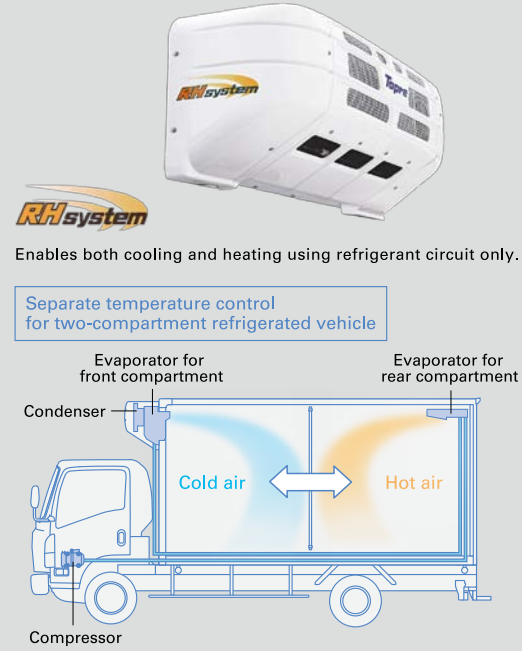
Environmentally friendly refrigerated vehicles with more operational and economic efficiencies.

Topre's unique technologies also give sufficient consideration to environmental problems. One example is the GBS (generator battery system) which generates electricity while driving and stores the surplus in battery. As the refrigerator system keeps operating at the time of idling stop, energy saving and emission reduction are simultaneously achieved. The eutectic holdover plate back-up system is an urban-oriented, efficient refrigeration system which combines mechanical refrigeration and holdover plate. Topre commits to its mission by decreasing environmental burden and improving cooling capacity and durability of refrigerated vehicles.

Only manufacture in Japan who has integrated production system for refrigeration units and containers.



Sophisticated cooling/heating control technology for the advancement of refrigerated vehicles.



Creation of comfortable air



High performance fans, innovating the future concepts of comfortability and cleanliness.

Topre's signature metal press forming technology makes it possible to manufacture high quality fans with high efficiency and low noise features. Our systemization and unitization efforts are now resulting in wider application of our products at office buildings, factories, hospitals, and houses. To fulfill the demands of each facility, our air-conditioning equipment delivers optimum air volume and heat quantity, high cleanliness and energy-saving capacity. While pursuing technology advancement, we are taking care of the environment, selecting environmentally-friendly materials, improving recycling rate and decreasing waste materials and substances of concern. In the home ventilation system category, we address the needs of a low birth rate and an aging population, and are trying to solve the problem of sick building syndrome. Easy maintenance design is another advantage of our system.

High performance fans and units to satisfy many different requirements.



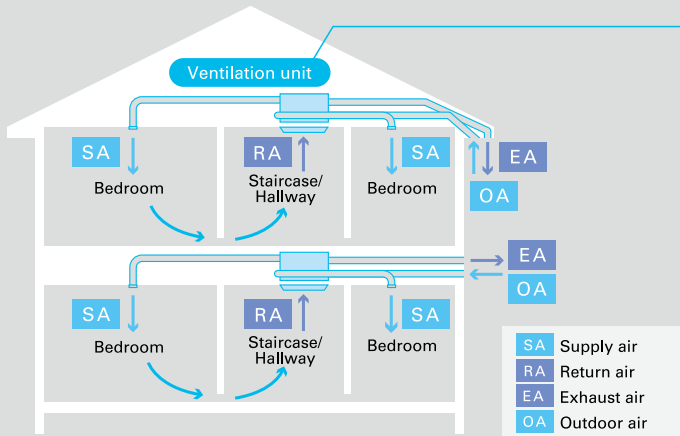
Topre delivers 100 sizes of fans, units, and air-conditioning system.

Topre delivers highly efficient, low-noise sirocco fans and turbo fans for various kinds of air-conditioning equipment. More than 100 sizes of fans and their combined units can satisfy every need of our customers, to achieve our own goal of high market share. Combined with fan, motor, and filter, our unit products are utilized at semiconductor factories as well as operating rooms and ICUs of hospitals where clean air is indispensable. Suitable for air-conditioning in buildings, the VAV (Variable Air Volume) air-conditioning system has our own built-in wind speed sensor, to accomplish lower power consumption and CO₂ emission reduction.

Topre's unique home ventilation system helps comfortable lifestyle at highly airtight houses.

We are providing wide range of home ventilation system. Considering the high airtightness of recent housings, we are the first to solve the problem of sick building syndrome arising from formaldehyde and other chemical substances. Compact ductless ventilation system is equipped with our unique cyclonic anti-bug mechanism which automatically discharges bugs and dusts to outdoors. Our home ventilation system now accomplishes cumulative shipments of 400,000 units, with high reputation among many of top home builders. Topre will continue to support comfortable environment and lifestyle by delivering innovative air-conditioning equipment.

Topre's unique technologies for home ventilation system.



Topre's home ventilation system (cumulative shipments of 400,000 units) Unlike conventional ventilation system that utilizes wind pressure for air supply, both air supply and air exhaustion are mechanically implemented. Heat-transfer element enables lower power consumption.

Floor central ventilation system with heat-transfer element
24-hour ventilation system with mechanical air supply/exhaustion feature.

Cyclonic anti-bug mechanism
Our patented cyclonic anti-bug mechanism automatically discharges bugs and dusts to outdoors. (Patent number 4392069)

Cyclonic anti-bug mechanism

Creation of information technologies

Topre's device technology changes the future of IT society.

Information technology is now indispensable at every scene of everyday lives and businesses. Topre was one of the first to notice this trend, and established its unique market position by delivering many kinds of state-of-the-art devices. Utilizing our core device technology, non-contact electrostatic capacitive technology, which uses charge variation at electrode equivalent part, Topre's electronic equipment business now offers keyboard, touch panel, card reader, PIN pad, and embedded computer. We will continue focusing on development of IT solutions and manufacturing of wide variety of devices.

Non-contact electrostatic capacitive keyboards are the mainstream in the data entry industry.

Utilizing our own non-contact electrostatic capacitance technology, Topre has been developing and manufacturing PC-layout keyboard REALFORCE. Ergonomically designed, REALFORCE provides quiet operation and a smooth key touch. They offer such benefits as minimized fatigue for users, even after extended use, and are highly durable, enabling them to gain increasing favor in input-related business, like banks and data input centers. They are also popular as specialized input devices used in distribution, transportation, medical, and broadcasting environments. Topre has been developing PIN pads as well. They fully comply with the PCI DSS (Payment Card Industry Data Security Standard), the global security standard of the credit card industry, to provide high security for ATMs at banks and convenience stores.

Wide range of device product and IT solution for more comfortable living.

Taking advantage of our core device technology, non-contact electrostatic capacitance technology, Topre has been developing wide range of device product such as non-contact RFID reader/writer, touch monitor, touch panel, and embedded computer. Our RFID reader/writer is the first in the industry to adopt a keyboard input interface, and is popularly used in our daily lives, for example as a PC authentication and user record management at sports clubs. Topre will continue developing innovative devices and solutions to deal with this ubiquitous society, ITS (intelligent transportation system), and environment targets including RoHS compliance.

Ergonomically designed keyboard REALFORCE

REALFORCE



REALFORCE SA / R2SA-JP3-BK

REALFORCE made a full model change as the R2 series for the first time in 16 years, Full size keyboard, equipped with APC function.



REALFORCE TKL SA / R2TLSA-JP3-IV

REALFORCE TKL made a full model change as the R2 series for the first time in 16 years, 10 keyless keyboard, equipped with APC function.



REALFORCE 108UG-HiPro

Professional-specification key caps suitable for data input work. Best keyboards for typing task.



REALFORCE RGB

Capacitive contactless switch Gaming keyboard equipped with Full color LED backlight.

Wide variety of device products utilizing non-contact electrostatic capacitance technology



RFID reader/writer

Non-contact reader/writer for PC authentication and management of room entry/exit



8.4 inch panel computer

Embedded computer suitable for locations with vibration such as factories



15 inch touch monitor

Thin and light weight. Easy operation just by touching the monitor

Top Message



Advancement and wider application of
our metal press forming technology
for the fulfillment of our customer needs.

President

Since our establishment in 1935, Topre has been advancing its core technologies, in particular metal press forming technology and die design technology. By applying these core technologies, we now supply a variety of high performance components and products to different industries, including automobiles, temperature controlled logistics, air conditioning systems and electronic equipment, in order to satisfy various demands of our customers.

Topre has a lot of unprecedented advantages such as the integrated production system from design to mass production, flexibility and high technical capabilities as an

independent manufacturer, and originality and proposal ability. With these advantages, we are engaged in product development pursuing fulfillment of real market demand. In recent years, we have expanded our overseas production sites to address the globalization efforts of our customers; Topre currently operates in the USA, China (2 sites), Mexico, and Thailand. Our customers including automobile manufacturers have been accelerating their globalization for the purposes of satisfying the overseas demands, decreasing labor cost and reducing exchange risk. Taking advantage of this powerful tide of globalization, we will continue to

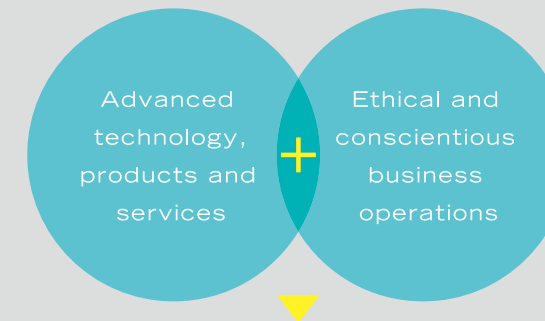
satisfy the needs of our customers. The domestic economy has finally begun to recover gradually, and the world economy is expected to recover and grow as well thanks to ever growing emerging countries. Utilizing our innovation, originality, and flexibility as an independent manufacturer, and adapting our signature metal press forming technology and die designing technology, we will continue to answer the needs of the age. While promoting globalization, Topre will pursue product development to fulfill market demand and keep on expanding and advancing its business.

Basic Principles

The Topre Group's mission is to create products and services by maximizing its technical expertise in order to contribute positively to the societies in which it conducts business.

The Group will not only pursue excellence in its economic performance, but also carry out business activities as a group of international companies with the highest ethical standards, which will promote a Topre Group image that will be acknowledged and respected.

This philosophy will guide The Topre Groups domestic and international business actions, while also continuously seeking to enhance the Group's long term prosperity and making positive contributions to the societies in which it is engaged.



For the contribution to society
and the company's prosperity.

Code of Conduct

1 Compliance with Laws, Company Rules, and the Moral Code.

We will comply with relevant legislation and regulations when conducting our business. Our company rules have been established as a means of fulfilling our business activities with fairness and transparency. We will also continue to conduct our business in an ethical manner. We have in place an internal reporting system (hotline) to prevent and correct any act that breaches or is suspected of breaching the above.

The management are responsible for taking the initiative in complying with the Code of Conduct to establish a highly ethical corporate culture and for maintaining an internal system to prevent situations that breach the Code of Conduct.

2 Contribution to Society

We will contribute to a safe, convenient, and comfortable society through our products and services. We respect the culture and values of the countries and communities in which our company is based, and actively involve ourselves in local activities and development.

3 Fair and Equal Relationships

We will continue to establish ethical relationships with our business partners.

We will maintain honest business practices with our partners, subcontractors, suppliers, etc. We will have no relationship whatsoever with anti-social forces, and systematically and firmly respond to any unreasonable demands.

We will also disclose our corporate activities and operating information in a timely and proper manner so that our investors can make informed investment decisions.

In addition, we will not engage in any fraudulent, unfair or unjust act in the context of our relationship with politics and administration.

4 Respect for Human Rights and Diversity

We will continue to respect all human rights and will never permit any form of discrimination concerning race, beliefs, gender/sexuality, nationality, physical differences, or language or other various forms of harassment.

5 Environmental Protection and Health and Safety

We will continue to promote the "3Rs" (Reduce, Reuse, Recycle) and energy conservation in conducting our business as an environment-friendly corporation.

Also, we ensure the safety and health of our staff members, we have minimized on-the-job accidents and injuries, and we are committed to continuous improvement of working conditions.

6 Company Asset Protection

We will conduct our business ethically and prohibit any private use or misuse of company assets.

Also, we ensure that company-owned information or assets will neither be leaked without following specified procedures nor be used for unauthorized and improper purposes.

Company assets must be acquired, used, or released in a predefined manner and with full authorization. We will neither act for the benefit of a third party nor allow any staff member to act for the benefit of himself/herself or a third party.

