



C O R P O R A T E   G U I D E



# We help shape a more comfortable society through the creation of the *Value of Tsutsumu*.

## As our customers' best partner

With great care and strength, we embrace the world with our innovation — this is the *Value of Tsutsumu*\* that we create.

We will help create a richer and more fulfilling society by continuously searching for new possibilities as our customers' best partner.

\* The "Value of Tsutsumu" is the original concept of ZACROS.







Helping to shape a more comfortable society, together with our customers — that is where our value lies.

For more than 100 years, Fujimori Kogyo (ZACROS) has continued to create new *Value of Tsutsumu* as a manufacturer of packaging, functional materials, and industrial materials. Many of the products we have launched have been the first of their kind in Japan. Our ability to bring new products into the world is due to the pioneering spirit that has been passed down as part of our corporate DNA. Our determination to look squarely at the different issues each of our customers faces and to resolve those issues, without being constrained by existing frameworks, is what creates new *Value of Tsutsumu*.

This has led many of our customers to our door whenever they have problems; saying “Where there is ZACROS, there is a way.” We are very proud of that.

Having recently celebrated our 100th anniversary, we now feel the need to evolve even further. Society is in the midst of massive change, with the development of artificial intelligence and information and communication technologies, and new social issues are emerging as a result. It is at this very time, when the issues that our customers need to solve are also changing, that we must broaden our own perspectives and horizons so that we can respond to those issues in a speedy manner. Going forward, as we accelerate our transformation and evolution by strengthening our overseas operations and taking advantage of the synergies of industry-academia partnerships and collaborations with other industries, we hope to carve out a deep new history for ZACROS for its next 100 years.

To this end, we have already embarked on a number of unprecedented initiatives. All of the company’s divisions are pooling their insights to establish a business model that is not limited by the framework of a manufacturer and to create higher added value. Our goal is to help shape a more comfortable society, together with our customers. By being of service to society with our *Kotozukuri* (shaping ideas and stories) through *Monozukuri* (creating products and services), we will make people’s lives more comfortable and inspire new culture.

We are sure that this will not only propel us to *CHIGAI* beyond simple differentiation from our competitors, but also help us make a major leap in contributing to our customers.

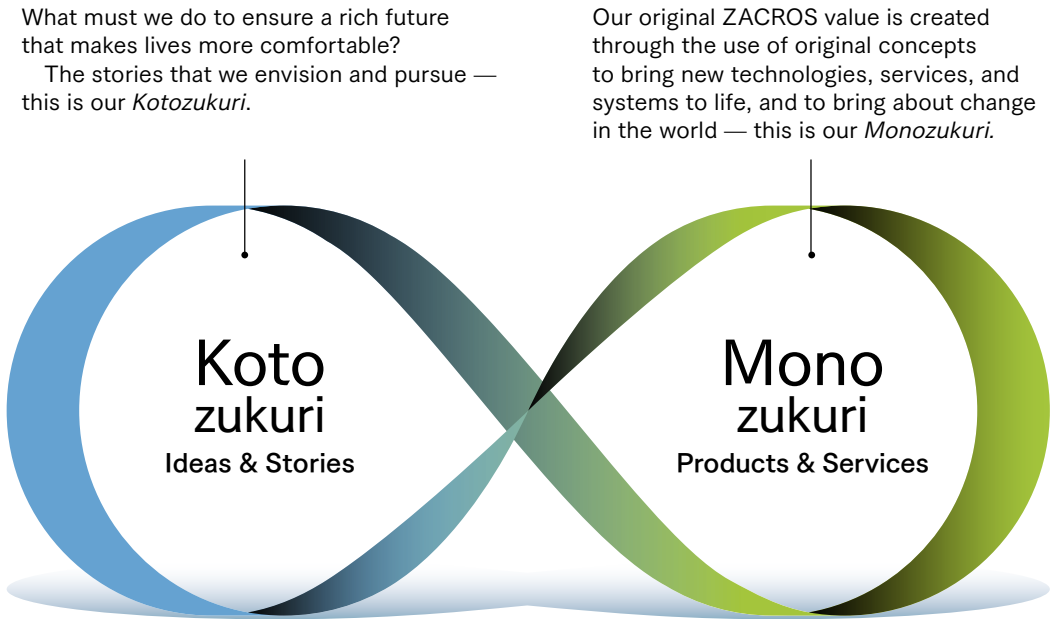
We pledge that ZACROS, through the creation of the *Value of Tsutsumu*, will continue to be your best partner, as we stride forward toward our goals.

Eishi Fuyama  
Representative Director, President  
FUJIMORI KOGYO CO., LTD.

The Philosophy We Hold Dear

For more than 100 years, we have continued to create new *Value of Tsutsumu*. At the heart of those endeavors lies our philosophy of *Kotozukuri* and *Monozukuri*, and the concept of *CHIGAI*.

Our Intentions




CHIGAI

To create value that is unique to ZACROS, we are constantly seeking out new possibilities, each of us asking ourselves what can be done to realize a more convenient and rich society and if there are ways of thinking and doing things that are not constrained by the past or present. For our customers, for society, and for the Earth, we seek to be a company that creates and delivers value that is unique to ZACROS. Our use of the word *CHIGAI*\* encompasses our intentions.

\* *CHIGAI* is based on the Japanese word that means “difference,” “identity,” “creativity,” and “originality.”

Brand name and logo



The brand name “ZACROS” is a combination of the letter “Z,” representing the ultimate and uncharted, and the Greek “ACRO,” meaning “utmost” or “highest.” It represents our intention to always look toward the future and to be a company that continues to seek out new possibilities.

Our logo design is inspired by lamination, a technological foundation of ZACROS. The corporate colors, blue for the sky and green for the Earth, represent our aim of achieving harmony between people, society, and the global environment and shaping a sustainable society.



# We have consistently transformed people’s daily lives and society.

Through our *Monozukuri*, we have created a diverse range of *Kotozukuri* that connect with people’s lifestyles and the environment.

The *CHIGAI* brought about by our *Monozukuri* and *Kotozukuri* contributes to our customers, the end users beyond them, and to society as a whole.

## Giving people the freedom to communicate

Optical surface protection film:  
MASTACK® TFB



With the rapid advancement of the information age, a reflection of which is the popularization of the Internet, there has been a need to develop new display-related technologies that enable better communication in the information electronics field.

- Kotozukuri

  - Supports the increase in size and precision of LCDs from the manufacturing aspect, making a major contribution to the popularization and expansion of telecommunications.
- Monozukuri

  - Film with high transparency and evenness that contributes to customers' yields.
  - High-standard coating technology that combines anti-static and anti-fouling properties with printability.
- 

## Supporting truly secure clinical services

Chemical solution bags



With progress in medical technologies, staff shortages have become a chronic issue in medical settings. Increased staff workloads have given rise to serious problems such as hospital-acquired infections, medical mistakes, and contamination.

- Kotozukuri

  - Enables safe administration of liquid drugs.
  - Providing medical care with security for both healthcare staff and patients.
- Monozukuri

  - Flexible, soft bag to replace conventional glass containers.
  - High-quality packaging materials that are very safe and will not affect the active ingredients of the drugs.
- 

## The realization of eco-friendly living

Self-standing pouches:  
FLOWPACK®



In the 1990s, when the Earth Summit brought about heightened interest in the environment, there was a strong push to make more effective use of resources. In Japan, this included the establishment of the Containers and Packaging Materials Recycling Law.

- Kotozukuri

  - Changes in lifestyles with the advent of a “refilling culture.”
  - Reflects increased environmental awareness among consumers.
- Monozukuri

  - Standard refill package that doesn’t leak, is easy to pour from, and has a tube inside its spout.
  - A wide variety of tube diameters to suit viscosity and flow volume of liquid.
- 

## Further possibilities for logistics

Collapsible liquid containers:  
CUBITAINER®



In the era of Japan's rapid economic growth when the movement of goods became very fast-paced, mainstream packages for transporting liquids consisted of glass bottles, metal cans, and ceramic containers. However, these packages presented various problems with handling, storage, and disposal.

- Kotozukuri

  - Raised operational efficiency in the transportation of liquids, realized an environmentally friendly culture, and achieved major progress in the logistics revolution.
- Monozukuri

  - The use of flexible and lightweight materials enabled conservation of resources (light weight) and saved space (collapsible).
  - Liquid containers that are easily disposed of after use and eco-friendly.
- 

## Making meal service at medical facilities safer

Pouches for liquid food



With the rapid aging of the population, and the diversification of medical and nursing care issues, there has been a need to improve the hygiene and convenience of the liquid food provided at medical facilities.

- Kotozukuri

  - Realizes delivery of safe, hygienic meals for patients and the elderly.
  - Eliminates the step of transferring packaged food to other containers and relieves medical and nursing staff of extra work.
- Monozukuri

  - Safe, hygienic and highly convenient packaging materials that are amenable to retort sterilization and aseptic filling.
  - Spout design that combines waterproofness with the convenience of easy opening.
- 

## Creating safe roads for the future

Waterproof sheet for tunnel construction:  
FF SHEET



With the rise in demand for tunnel construction due to the development of railway and expressway networks from the 1970s, serious problems attributed to groundwater arose, such as drops in safety, durability and functionality.

- Kotozukuri

  - Establishment of safe and reliable transportation infrastructure (tunnels) that is not affected by geographical features or weather conditions.
- Monozukuri

  - Developed highly waterproof sheets to prevent water permeation.
  - Established construction methods that use these sheets to prevent water leakage.
-



# We constantly pursue new value.

Over our history, which spans more than a century, we have provided the *Value of Tsutsumu* in a variety of forms.

In response to the needs of our customers and of society, we continue to pursue value only we can provide and develop it into products.



“We want to protect Japan’s world-class silk and cotton export products from harsh transportation environments with high-quality domestically produced packaging materials.”

Unique ideas are born when you attempt the unknown — Tarpaulin Paper was created based on the thoughts and principles of our founder.

1914 Moisture-proof and waterproof paper: Tarpaulin Paper

Where our *Value of Tsutsumu* began.

Expansion into the electronics and medical field.

Adhesive protection film: MASTACK®  
1972

Release film: FILMBYNA®  
1979

Optical surface protection film: MASTACK® TFB  
1995

Sheet for IC package processing: CLEAN BYNA SHEET  
2001

2010

Solar sail: IKAROS  
The membrane polyimide film used in the sail was developed in cooperation with Japan Aerospace Exploration Agency (JAXA).

Plastic liquid crystal cell circuit board film: AMOREX  
1987

As liquid crystal cells shifted away from glass, our film made possible lightweight, non-breakable, and curved-surface displays.



Self-standing refill pouches: FLOWPACK®  
1997

Single-use bags for biopharmaceuticals: BioPhaS®  
2010

Japan’s first self-standing flexible container. Its highly effective display appearance made it a packaging standard.



DOYPACK  
1967



Dry laminate film: BISWRAP®  
1967

Packaging materials for retort food pouches  
1968



Doypack for Soft Drinks (DSD)  
1980



Packaging for medical instruments: MEDDIC  
1974

Dramatically simplified the sterilization process.

Soft bags for IV pharmaceuticals  
1988

Developed a non-breakable IV container compliant with US FDA standards.



Non-adsorbing, low-eluting chemical solution bags: Nlp®  
2002



Thrombus formation-analysis system: T-TAS®  
2015



Developed a device that used completely new measurement principles, with the goal of contributing to personalized medicine.

Adhesive protection paper: Masking Paper  
1956

Release paper: BYNA SHEET  
1960



Developed Japan’s first domestically produced polyethylene laminate. POLYWRAP advanced the individual packaging of foodstuffs and other goods.  
1956

Polyethylene laminate: POLYWRAP



Moisture-proof packaging materials: BARRIER METAL FOIL  
1949

Used in packaging for Feather Shampoo (1955).

Enabled comprehensive streamlining of distribution for liquid products.

Collapsible liquid containers: CUBITAINER®  
1964



Plastic cloth sheet: Hi-Ply  
1965

Film-lined liquid containers: FUJITAINER®  
1976

Laminate tubes  
1979

Waterproof sheet for tunnel construction: FF SHEET  
1982



Film-lined liquid containers: Z-TAINER  
2000

Rapid modernization. As the spheres of daily life and business expand, lifestyles change.

Swift market growth and diversification during the period of high economic growth.

The beginning of the information-oriented society. Energy- and cost-saving needs rise.

Falling birthrate, aging population, and globalization. Toward harmony with the environment and the realization of a sustainable society.

Advancing into a new era.



# We offer higher added value in a wide range of product fields.

Together with our customers, we have carved out a new history by creating the higher added value we provide to our customers. Today, we provide support in a wide range of fields, from those fields that are familiar to all of us in our daily lives, to more specialized areas such as advanced medicine and large-scale infrastructure.

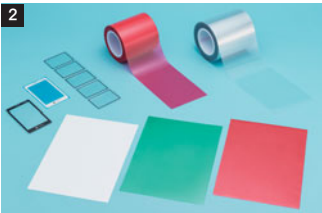
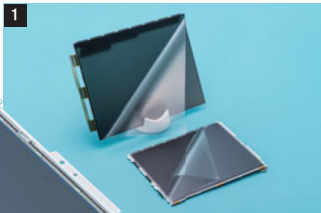
See our website for details.  
<https://www.zacros.co.jp/english/products/index.html>



## Information Electronics Field

There has been remarkable technological innovation in the information electronics field. Our products, based on our precise, clean coating technologies, are being put to excellent use in a range of applications, such as displays and electronic circuitry.

Optical surface protection film:  
MASTACK® TFB



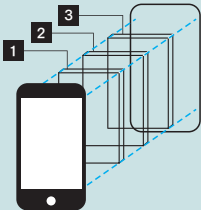
Release film: FILMBYNA®



Aluminum laminate film/  
Adhesive tape for batteries

### For use in smartphones or other devices

- 1 This is a surface protection film for polarizing plates used on LCDs, etc.
- 2 This film has a release function, for use on adhesive products.
- 3 Materials for lithium-ion battery soft pack manufacturing



## Construction Materials Field

To maintain comfortable spaces, or prevent the deterioration of concrete. Making the most of the technologies we have built up over our history, our products are being put to use in the construction field and in infrastructure development.



Waterproof sheet for tunnel  
construction: FF SHEET



Water-permeable framing sheet:  
Filter Sheet



Sheet for prevention of concrete  
chipping: Hybrid Sheet



Flame retardant sheet: Fuji-Ace

## Advanced Medicine Field

The medical field is attracting growing attention as birthrates decline and the population continues to age. In anticipation of the society of the future, we are engaging in the field of advanced medicine.



Single-use bags for  
biopharmaceuticals: BioPhaS®

Total thrombus  
formation analysis  
system: T-TAS®



## Life Sciences Fields

Our packaging materials and related products support lifestyles and health — on family dining tables, in the bathroom and kitchen, in restaurants, hospitals, and many other daily life scenarios.

Self-standing pouches: FLOWPACK® Series



Spout pouches and  
odd-shaped pouches



Pouches with spouts

### FLOWPACK® Features

- 4 The spout has been specially formed to secure a clear flow channel, allowing containers to be refilled smoothly.



Small liquid pouch packaging  
materials: Tough Wrap Series



Packaging materials for retort  
sterilization



Chemical solution bags



Release film: FILMBYNA®  
(Lining for percutaneous-  
absorption pharmaceuticals)



Plastic film-lined liquid  
containers: Z-TAINER



Collapsible liquid containers:  
CUBITAINER®

### Namera-cut Features

- 6 The addition of very fine perforations, which have been specially created in a way that will not damage the barrier layer, ensures a smooth, quick tear in the desired location.



Easy-tear packaging materials:  
Namera-cut, Thru-cut



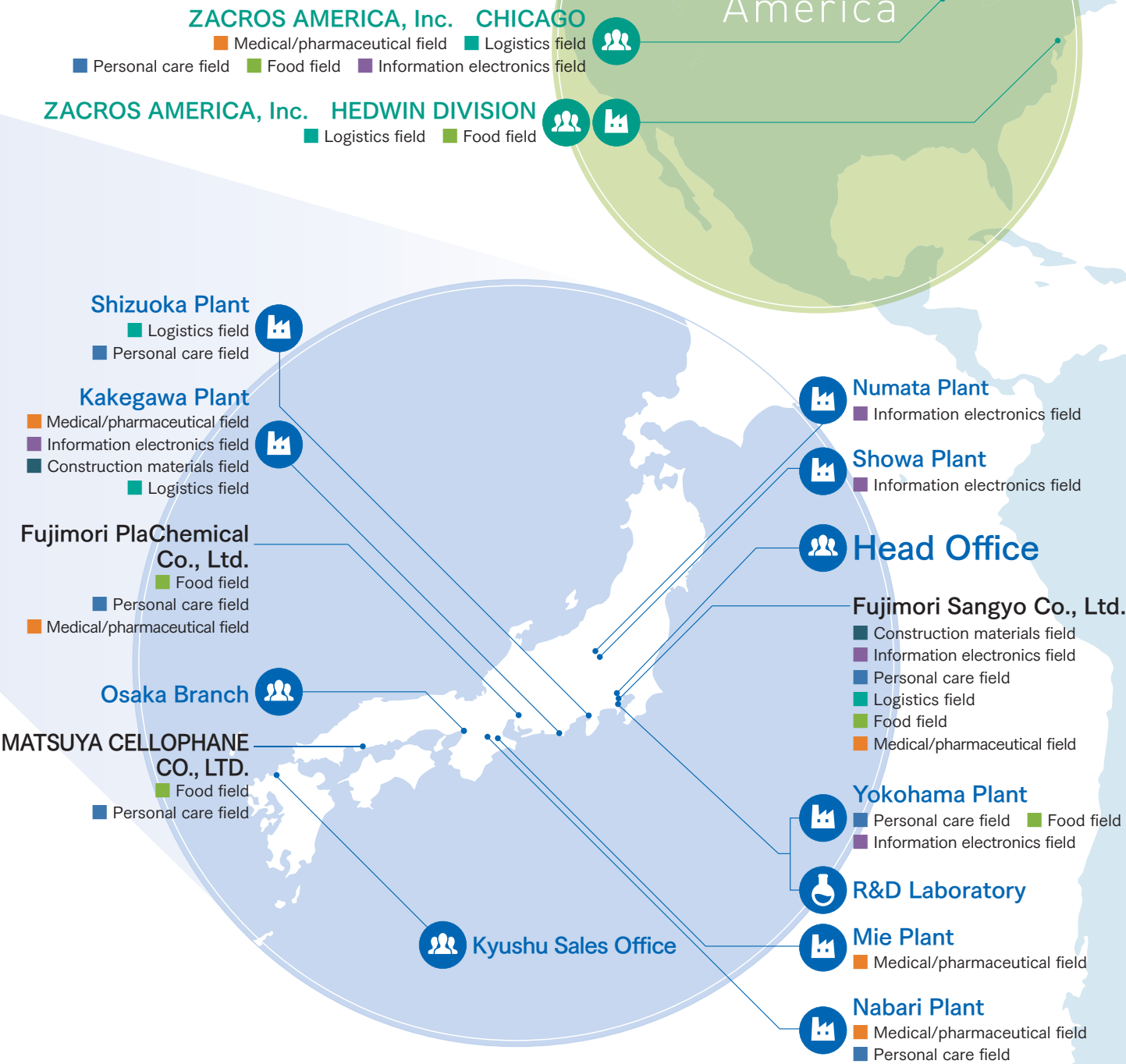
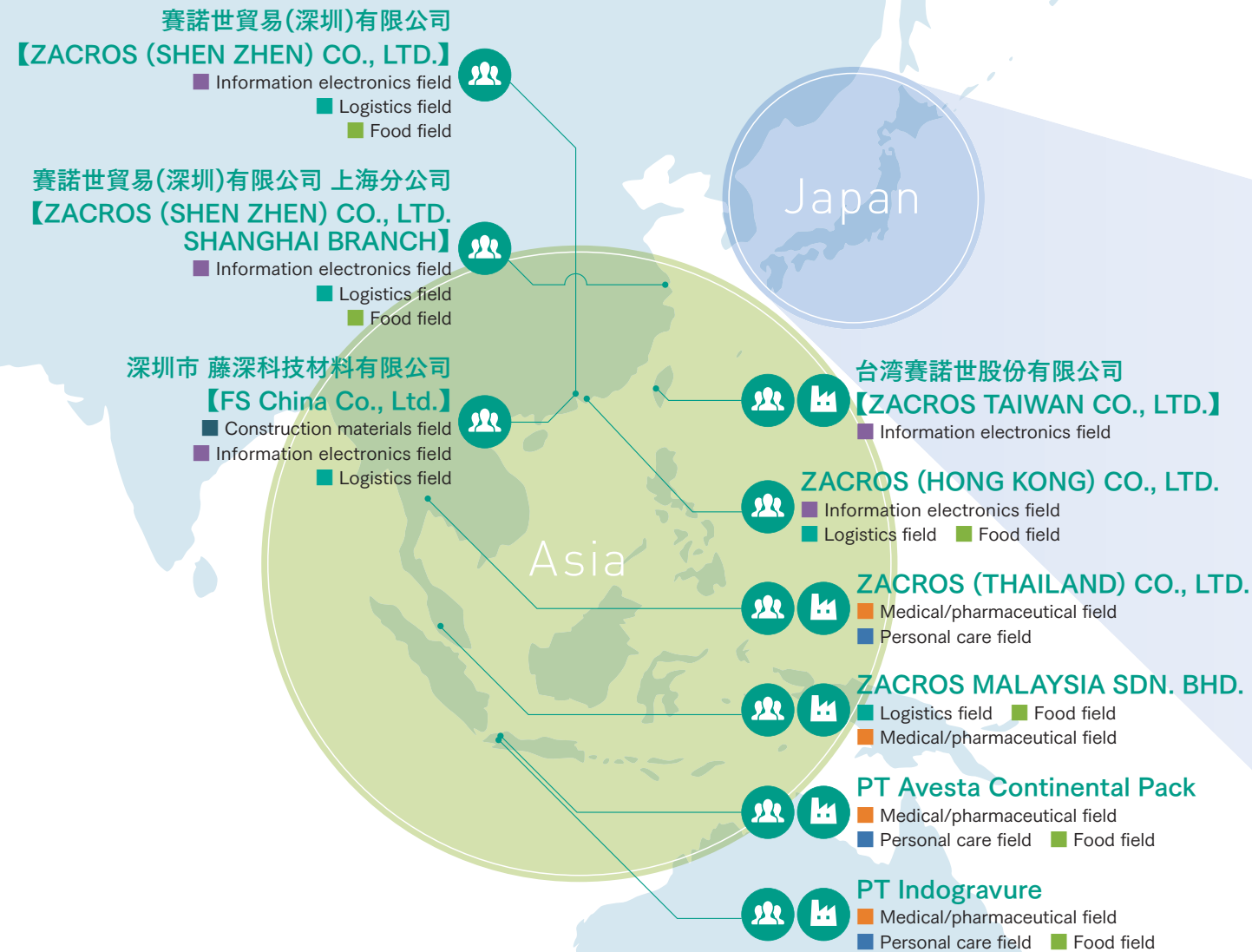


# We are extending our ability to provide value throughout the world.

We have established a network of business locations throughout Japan and other parts of the world, from which we engage in locally based marketing and production in response to product characteristics and local needs, as well as cross-technology research.

We will further strengthen our global network and comprehensively convey the *Value of Tsutsumu* to the world.

Marketing Bases Production Bases R&D Bases



For details, please visit our website.

Company Profile

<https://www.zacros.co.jp/english/company/index.html>



IR Information

<https://www.zacros.co.jp/english/ir/index.html>



Business Locations

<https://www.zacros.co.jp/english/company/foothold.html>



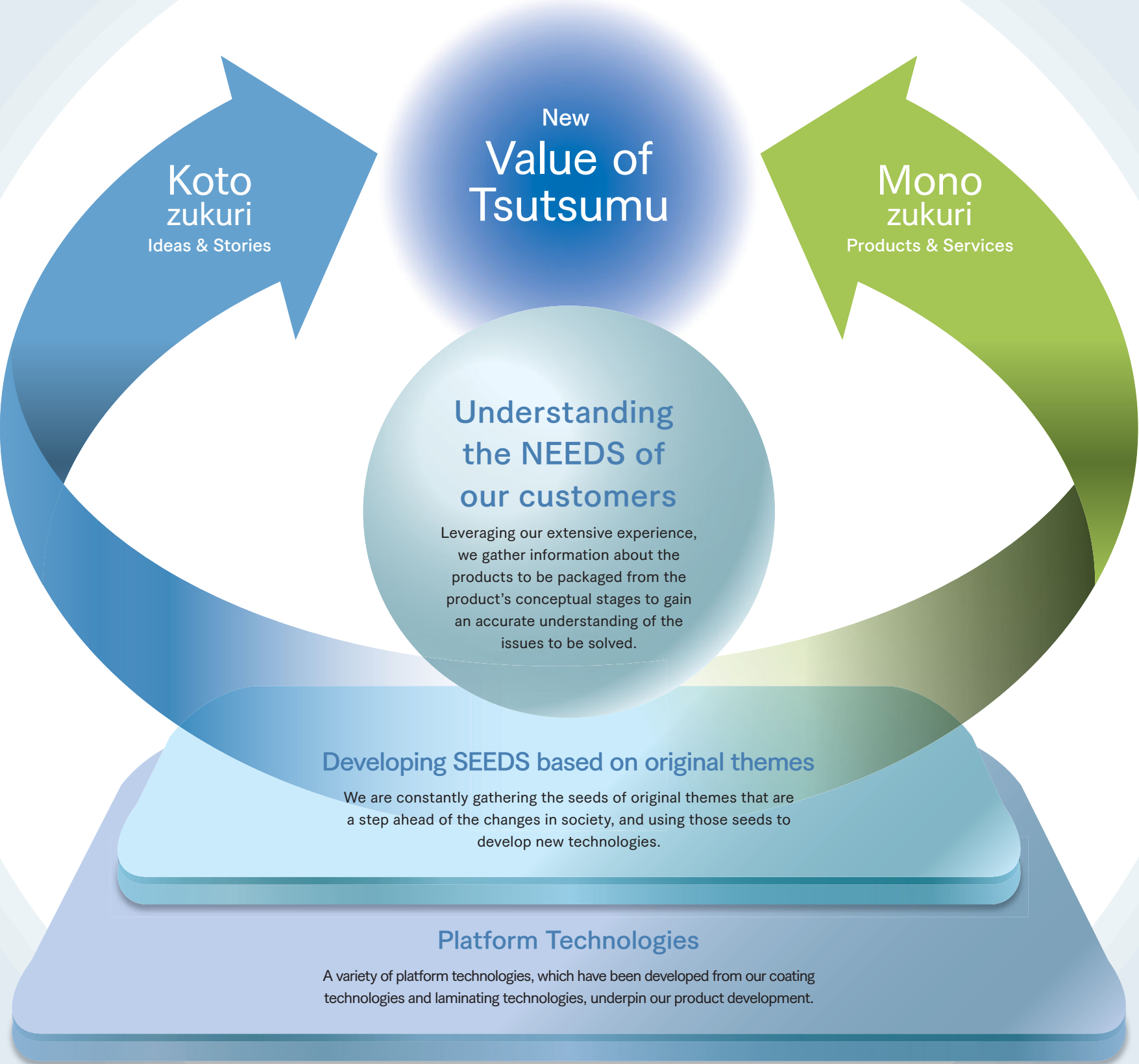
Affiliated Companies

<https://www.zacros.co.jp/english/company/group.html>



# We will propose new *Value of Tsutsumu* to our customers and society.

Our aim is to continue to be the best partner for our customers. Constantly looking toward the future of society, our entire organization will deal squarely with the issues faced by our customers and, by finding solutions to those issues, work to create new *Value of Tsutsumu*.



## Research Division

Cross-technology research organization — Extending the range of technologies centered on our basic technologies, to become our customers' best partner

Our R&D Laboratory in Yokohama is an important part of our ongoing quest to be our customers' best partner. Under a cross-technology organizational structure, it develops new technologies and products from the platform technologies that are an extension of our coating and laminating technologies and integrated, diverse technologies. As well as responding to customers' needs, we also sow seeds that pre-empt those needs, realizing our own, original *Monozukuri* and *Kotozukuri*.

## Customer Relation Center

A co-creation space for ZACROS and our customers

ZACROS has always been sensitive to changes in the social environment and customers' needs and, with its own original perspectives, contributed to the development of society and to finding solutions to our customers' issues. The Customer Relation Center, located inside our R&D Laboratory, is a facility where people can encounter ZACROS as it has been to date and as it will be in the future and gain hints for solutions for our customers. It also includes a discussion space where we can deepen communications with our customers and co-create technologies and products.



For details, please visit our website.  
<https://www.zacros.co.jp/english/development/index.html>







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