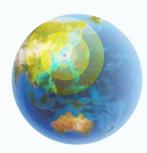
## Made in Japan

We offer safe and secure Japanese products to the rest of the world.



In today's world, consumers require that manufacturers' processes be safe, and that their products can be used with confidence.

At RAPAS, we prevent human error during the production process and strive to prevent product contamination and quality degradation. To achieve this, we ensure that our raw materials, manufacturing processes and inspection tasks meet the high safety and sanitation standards of a GMP-certified factory, and aim for uniform quality in each and every product.

With visible safety and security measures as our firm foundation, we deliver products and technologies from Japan to the rest of the world that bring smiles to faces.



Minamikusatsu 1-4-5 Kusatsu- shi, Shiga-ken 525-0050 Tel: 077-598-0391 Fax: 077-598-0392 Toll-free number for customers: 0120-877-878

E-mail: info@rapas.jp

The thought makes happiness

# RAPAS

Health and Wellness Business

and

Environmental Business

Company Profile

Corporate Information



# Unswerving dedication to products with value.

Keiko Kitamura, Chief Executive Officer

Keeping pace with the lifestyles of our customers, our company manufactures and sells health foods and cosmetics for people in their individual pursuit of who they want to be.

We also offer technologies related to the environment. The future that we dream about is a future where customers are happy.

Happiness spreads, throughout Japan where we are based, and throughout world, triggering a chain reaction of positivity.

To achieve this, we conduct continuous research and development so as to deliver unequivocally high-quality products and technologies to our customers. Our sincere desire to provide only solid, proven products with value is matched by our unwavering dedication.

Radiant happiness—this is the RAPAS promise.

### The origin of the word "RAPAS"

RAPAS is a fusion of the word "radiate" that evokes joy and sweeping radiance, and the word "pass" that connotes connecting one person to another. It is also similar to the pronunciation of "la paz" which means "peace."

We named our company RAPAS in the hope of making people happy with products and technology originating from our base in Shiga prefecture, Japan, and having this happiness passed on from one person to the next.



## People's health and the environment are inextricably linked.

We want to make the whole world healthy. For this reason, we offer products that promote health. The reason for this is that being healthy is what makes people the happiest.

The environment, too, has a direct bearing on human health. We at RAPAS are engaged in enterprises that create new things necessary for health and the environment. In addition, we offer products that are good for the body, whether applied or taken, in order to achieve true beauty. Our goal is to support that very basis of life: good health; and to deliver youthful radiance to people all over the world. We will continue making only the kind of products you would recommend to those you love.

## For Health and Wellness

## Health and Wellness Business (Health / Beauty)

- Planning, manufacturing and sale of health foods
- Planning, manufacturing and sale of functional products for health support and cosmetics

## For the Environment

## **Environmental Business**

- Supply of environment-related solution technologies
- Supply and management of licenses for patents and technical know-how

# Our fundamental principles are reliance, benevolence, improvement, and gratitude.

#### <Management Philosophy>

©We will provide the society with products and technologies related to health and environment in order to create healthy and affluent life of people and promote conservation of global environment.

©We will aim at impressing people who come into contact with our products and technologies and giving them joy and happiness.

©We will devote all our wisdom, inspiration, and passion to creating products and technologies that provide new values and thus contributing to life and culture of all the people in the world.

©We will value the dignity of people, cherish the spirit of trust, pride, fairness, and gratitude, and pursue growth of the company and employees.

Super Reperfe

## Health and Wellness Business

Health and Wellness Division

Venturing into a world of high-quality health foods with specially chosen ingredients.

In today's world chemical substances that have an adverse impact on the body abound. Consuming essential nutrients in a balanced way has therefore become a challenge. In order to lead healthy and youthful lives amidst Japan's rapidly aging society, RAPAS conducts research and development only into health foods whose value we are confident in. We provide the kinds of products that promote healthy minds and bodies, and that only RAPAS can create, while keeping track of feedback from our customers.

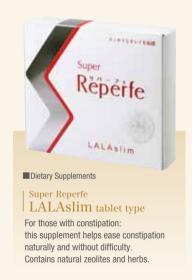
## Products you can heartily recommend to the people you love.

Our research and development into health foods began from the desire to have those we love, beginning with our families, lead active, healthy lives. To lead life positively, day to day, we recommend the habitual intake of health foods. We create products that you can sincerely and confidently recommend to those near and near.

## Super Reperfe Lineup

Super Reperfe products contain ingredients of the highest quality in our relentless pursuit of good results.

The Super Reperfe lineup is an evolved version of our Reperfe product line. Containing high quality ingredients based on solid research and development, Super Reperfe products powerfully support you in everyday living.





LALAslim soluble granules
For those with constipation: this
supplement helps ease constipation
naturally and without difficulty.
Granulated for easier intake.



#### ■ Dietary Supplements

## Super Reperfe LALA Diet

Rich in dietary fiber and oligosaccharides, this is the ultimate diet food product. Also contains plenty of fermented plant extracts made from about 300 kinds of vegetables and fruits.

## Super Reperfe



#### ■Enzyme Supplement

## BioVezyme

Contains enzymes, vitamins, minerals, amino acids and lactobacilli that people lack due to poor modern lifestyle habits. Viscous consistency for easier intake.



#### ■Anti-aging Supplement

## | Super Reperfe | Rejuvenor

An anti-aging jelly that aids in creating ideal, beautiful skin with firmness, moisture and brightness. Contains  $\alpha$ -GPC derived from soybeans and swallow's nest extract.



## ■ Dietary Supplement LALA Tea

Containing enzymes and lactobacilli, this detox herbal tea is derived from completely natural ingredients. Aids elimination, weight control and helps prevent bloating and puffiness.



### ■Lactobacilli Supplement

## LALA LACTIC

LALA LACTIC is a supplement that conditions and improves the intestines. Absorbed in the intestines, this product contains a high concentration of non-live lactobacilli (3.26 trillion bacilli in one sachet) that helps improve immunity.



## LALA Kouso

An enzyme drink distilled for a long time and packed with 357 kinds of vegetables and fruits. Primarily used as a nutritional supplement and for maintaining health, this drink is also for those seeking beauty.



## LALA GREEN

Harnessing nature's power, this highly potent health drink contains Jerusalen artichoke which has been called "natural insulin" and barley grass that helps control weight.



## LALA WHITE

LALA WHITE is a supplement that contains premium quality ingredients for bright and beautiful skin. Targeting skin damage from UV rays, this product helps in achieving luminous skin from within.



## LÂLA Vigor

With the aim of reducing the risk of diseases such as cancer, a variety of ingredients useful in improving immunity are contained in this single supplement. Also contains essence of pinus radiata bark, nattokinase and more.





LALA RHYTHM HB is a supplement recommended for those concerned about their high blood pressure. Containing nattokinase, sesame peptides, fermented agaricus, and others, this product aids in controlling increased blood pressure.



## LALA RHYTHM JP

LALA RHYTHM JP is a supplement recommended for those concerned about their body's ability to bend and stretch, and about joint pain. Contains giant knotweed and chondroitin.



### ■Supplement to Prevent

## LALA DIONYSUS

LALA DIONYSUS is a suitable product for those who want to drink in an enjoyable manner. It is a revolutionary supplement that aims to reduce hangovers and feelings of sickness from drinking. Also recommended for women. (To be taken before imbibing alcohol.)



#### Supplement for

## LALA RHYTHM BS

LALA RHYTHM BS is a supplement recommended for those concerned about their blood sugar levels. Containing ingredients such as corn silk, mulberry leaf, and essence of Jerusalem artichoke. this product aids in controlling increased blood sugar levels.



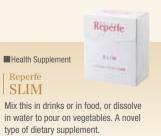
## LALA RHYTHM HC

For those concerned about high cholesterol levels. LALA RHYTHM HC is a supplement that aids in reducing bad (LDL) cholesterol through plant sterols. policosanol and other ingredients.

## Reperfe Lineup

Creating products with the approach that "people are healthy and beautiful by nature."

Reperfe is our basic lineup and was named after the idea of "returning to perfection." By the habitual intake of Reperfe products, our customers are restored to their inherent healthy selves while aiming for beauty and radiance.



# Nice Aging Supplement

More than 50 kinds of herbs, vitamins and minerals are packed into a small capsule. We offer this supplement for lively and spirited everyday living.

## CHERAD BELLE BEAUTE



## Health and Wellness Business

Beauty Division

# Real cosmetics that work at the source of beauty.

RAPAS has conducted years of research and development with the aim of creating real cosmetics. Our thinking in regard to our valued customers and our product development philosophies are alive and well in our research and development. Making no compromises, we open up the path to beauty by way of solid, proven ingredients gentle on the body. We conduct constant research to deliver products with such ingredients to the rest of the world. We are unrivaled in our strong desire for "women to be more beautiful, and to live dynamic lives every day" through our products.

# Cosmetics that rejuvenate women from within, and lead the way to beauty.

Cosmetics do not only change the appearance of women. We at RAPAS research and develop cosmetics from various approaches such as the lifestyles of modern women and skin cell turnover. We will continue to deliver new products based on our desire for women all over the world to lead more positive, radiant lives.

## CHERAD BELLE BEAUTE LINEUP

The ultimate skincare brand that awakens your innate beauty.

CHERAD — a name that evokes nurturing the skin carefully with love, and skin that glows radiant with light. Bringing out beauty at its source, which all women possess, CHERAD products generate skin suffused with overflowing inner radiance.



## ROYAL Refining Cleansing Oil

A cleansing oil with plant-derived ingredients that protect the skin's moisture while thoroughly removing ever dirt in pores. Contains no synthetic, petroleum-based surfactants.



## CHERAD BELLE BEAUTE ROYAL Refining Skin Lotion APPS

Containing a high concentration of Vitamin C derivatives, this skin toner promotes firmness and luster, thoroughly moistening the entire face. Contains fullerene, which exhibits strong antioxidant properties.



## ROYAL Refining Rich Cream VC

For lack of firmness, uneven skin tone, visible pores and other signs of aging. This luxurious cream has a 30% highly-concentrated Vitamin C derivative formula for radiant, lustrous and remarkably luminous skin.



## CHERAD BELLE BEAUTE ROYAL Refining Cleansing Gel

A cleansing gel that swiftly works into the skin and gently cleanses dirt for a refreshing feeling after washing your face. Contains zeolite that absorbs toxins and waste products.



## CHERAD BELLE BEAUTE ROYAL Refining Skin Water

Utilizes acidic electrolyzed water to lessen any dry, taut feeling and improves skin condition—restoring the skin to its healthy, original state. Paraben-free.

Also recommended for those with dry skin or sensitive skin.



## CHERAD BELLE BEAUTE ROYAL Refining Wrinkle Cream

A special skincare beauty cream containing high doses of Vitamins A & E that leads to natural-looking, firm and lustrous skin. Addresses areas of particular concern such as dryness and uneven skin tone.



## CHERAD BELLE BEAUTE ROYAL Refining Washing Foam AC

A face wash foam with a fine lather that removes excess sebum and dirt, resulting in a moist, soft feeling afterward. Contains no synthetic, petroleum-based surfactants.



## CHERAD BELLE BEAUTE ROYAL Refining Moisture Milk APPS

A milky lotion that helps in maintaining a balance in skin moisture and sebum for ideal skin, resulting in firm, youthful skin. Contains fullerene and other ingredients that address uneven skin tone and other problems.



## CHERAD BELLE BEAUTE ROYAL Refining UV Cream

Contains no UV absorbers.
This easy-to-apply cream has a non-powdery finish, and prevents the emergence of blemishes and freckles for beautiful skin all day long. With fullerene.

## LALA RESET & MEDIC

## Health and Wellness Business

Beauty Division

A product line featuring functional cosmetics that enhance a woman's beauty through science.

## LALA RESET & MEDIC Lineup

This lineup features unique, revolutionary items that contain carefully selected ingredients adopted for specific functions. Turn back the clock with Reset & Medic!



#### LALA MEDIC



## LALA MEDIC Carbonic Acid Skincare

A face wash/bath salt that activates the skin's metabolism while removing dirt from pores through the power of carbonic acid and enzymes. For skin that allows moisturizing ingredients to easily penetrate it while relaxing.

#### LALA RESET



## VC25 Essence

A beauty lotion with a 25% highly-concentrated Vitamin C derivative formula that penetrates the skin's keratinous layer to address skin dullness. For soft, lustrous and radiant skin.

#### LALA RESET



## LALA RESET Freeze-dried Essence

A freeze-dried beauty lotion created based on medical theories of skin regeneration to improve the skin's repair rate. Restored alkaline water revives a 100% fresh beauty lotion in each application.

Completely free of preservatives.

#### LALA RESET



## Glowing Eyelash

An eyelash beauty lotion that nurtures strong and beautiful eyelashes, this product contains essence of mulberry root bark which has been used in Chinese herbal medicines since ancient times for its apparent hair growth properties. Contains fullerene.

# Qualitycontrol



All of our products are
manufactured within Japan in factories that
meet high safety and sanitation standards.

"Good Manufacturing Practices" (GMP) are standards employed in the manufacture of drugs and medicines. These practices prevent human error during the production process, work to prevent product contamination and quality degradation, and aim for uniform quality in each and every product.

Manufacturing is conducted amidst high safety and sanitation standards in a GMP-certified factory; and strict standards regarding the quality of the raw materials handled, manufacturing machinery, worker protocols and the management of workers are defined.

In order to provide customers with high-quality products, all RAPAS products are manufactured in a GMP-certified factory in Japan.

## Why are we particular about continuing to manufacture our products in Japan?

Manufacturing in Japan does not mean that we are avoiding manufacturing our products overseas. We simply believe that overseeing the production process with our very own eyes is the most important part of safe and secure product manufacturing; and we have decided that the best environment for this is a GMP-certified factory in Japan. In addition, we affix individually-numbered seals that trace manufacturing and selling routes to all of our products.





## Environment



We have succeeded in creating the world's first commercially viable organic matter decomposition technology through heat.

We have opened up unprecedented possibilities of waste disposal with our organic matter decomposition technology that utilizes the oxidative decomposition ability of active oxygen generated by heating titanium oxide catalysts.

We provide companies that seek the seeds of new business with patents and know-how relating to organic matter decomposition technology using titanium oxide catalysts. We thereby assist them in their waste disposal processing, as well as the development of new apparatuses and systems not necessarily related to waste disposal.

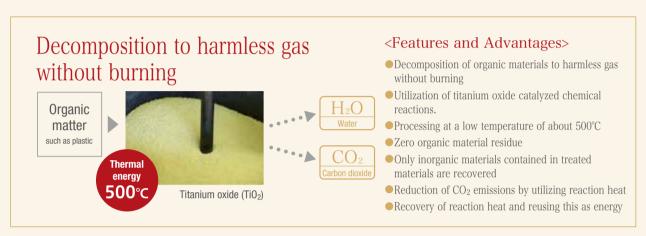
TiO2

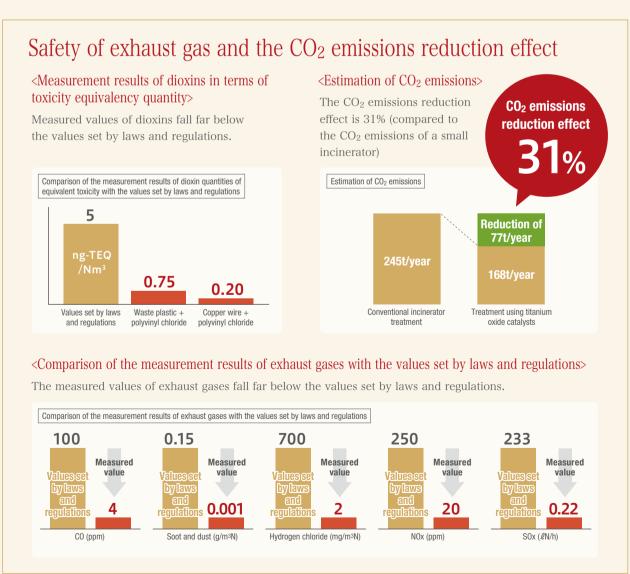
Chemically decomposing organic matter such as plastic using granular titanium oxide catalysts

## We hold patents worldwide and possess know-how that support global environmental protection

We hold patents worldwide\* and possess know-how related to technology for decomposing organic materials such as plastic to water ( $H_2O$ ) and carbon dioxide ( $CO_2$ ) by utilizing the strong oxidative decomposition ability of titanium oxide catalysts heated to about 500°C. We will continue to contribute to global environmental protection through our environmental solution technology of decomposing organic matter using heat.

\*Worldwide patents: Japan, China, Taiwan, South Korea, Australia, USA, Canada, France, Germany, Switzerland, UK, the Netherlands, Sweden, Australi, Italy





Achieving the impossible. Various industries have high expectations of our decomposition technology utilizing titanium oxide.

## Recovery of precious metals from cellular phones and other devices

All organic materials such as plastics in cellular phones and smart phones are decomposed. Metals, glass, and inorganic substances such as gold and silver contained in the base which







Larger parts made of

aluminum and others

are senarated and

catalyst is not

continues its

the apparatus.

concentrations.

ecovered and it

decomposition inside

Precious metals rare

metals and others are

iron, copper,

Iron parts, copper parts and other parts

Separation using a sieve

Metals, precious metals and others are recovered by separating inorganic materials from the titanium oxide catalyst using a sieve.

<0ver the sieve> Inorganic materials larger than the titanium oxide







than the titanium oxide catalyst are recovered.

#### Amount recovered from residue rich in precious metals

If 12 million cellular phones and smart phones are processed in a year, about 45.9 tons of inorganic residue containing precious metals can be recovered. This residue contains high concentrations of gold and silver. The chart at the right shows the analysis results of the inorganic residue recovered after processing 10 smart phones.

#### ■ Concentration of Au (gold) 450 ppm\* 1610 ppm Ag (silver) In (indium) 30 ppm Cu (copper) 18.03%

### 2 Recovery of soluble silica

Soluble silica is recovered from rice husks and is used as fertilizer for rice and others; and as a sealing material for semiconductors in electronic parts. It is also promising as an electrode material that extends the lifespan of lithium ion batteries







<About soluble silica>

Soluble silica is amorphous. It becomes fertilizer for rice and Indian millet (which is used as an ingredient for bioethanol); and is also used as a sealing material for semiconductors in electronic parts. In addition, it is promising as an electrode material that dramatically extends the lifespan of lithium batteries. Soluble silica is also used in the following: xture for high-performance cement, reinforcement material for tires, paint additives, cosmetics and others.

#### 3 Recovery of carbon fibers

Titanium oxide catalysts can decompose just the resin components of carbon fiber-reinforced plastic (CFRP) to recover carbon fibers without damaging them.

#### •Treatment of CFRP (semi-preg) in woven fabric form



#### •Treatment of CFRP (pre-preg) in sheet form



• Electron micrograph of carbon fibers



## Complete disposal of medical waste within a hospital

Medical waste that may cause infection is disposed of within hospitals without burning it. Our technology reduces the risk of infection, and at the same time alleviates the burden of waste tracking and control measures.



5 Recovery of useful metals

Useful metals such as iron and aluminum are recovered from shredder residue that is discharged by recycling plants. In addition, only useful metals such as coated aluminum products and steel are recovered as is.



#### •Coating removal treatment of aluminum products



## 6 Other applications

Our treatment can be applied to products or information that one wishes to keep internally, and to products that are difficult to process or dispose of using existing technologies.

●Prototypes ●Mediums for confidential information ●Genetically modified biological specimens • Experimental animals vWaste materials discharged from laboratories •Diesel soot •Microorganisms, etc.

## Company Overview

RAPAS Co., Ltd.

[Company Locations] <Shiga Main Office> Minamikusatsu 1-4-5 Kusatsu- shi, Shiga-ken 525-0050 Tel: 077-598-0391 Fax: 077-598-0392 <Ginza Branch Office> 7F, Ginza Renga-dori Fukujin Bldg., 1-5-6 Ginza, Chuo-ku, Tokyo 104-0061 Tel: 03-5524-7710 Fax: 03-5524-7711 <Ginza Store> 1F & B1F, Ginza Renga-dori Fukujin Bldg., Ginza 1-chome, Chuo-ku, Tokyo 104-0061 Tel: 03-5524-7810 Fax: 03-5524-7811 Toll-free number for customers: 0120-877-878 E-mail: info@rapas.jp

[Established] 300 million ven [Capital] Keiko Kitamura

1. Supply of environment-related solution technologies

2. Supply and management of licenses for patents and technical know-how

3. Planning, manufacturing, and sale of health foods

4. Planning, manufacturing, and sale of functional products for health support and cosmetics

Japan Atomic Energy Agency

Panasonic Production Engineering Co., Ltd.

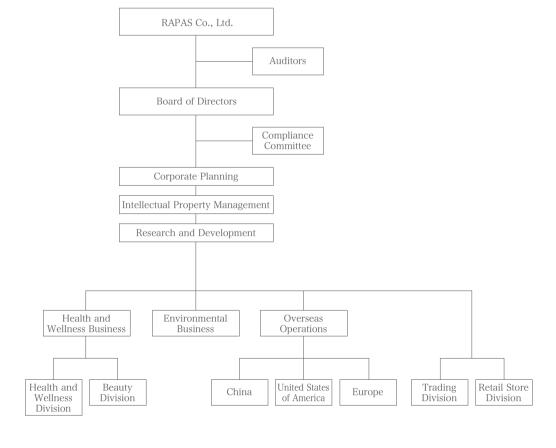
Suzuvo & Co Ltd ITOCHU Metals Corporation Sakai Chemical Industry Co., Ltd. Yasuda Chemicals Co., Ltd.

API Co., Ltd. Ueroku Printing Co., Ltd.

Japan Lanchester Industry Co., Ltd.

Shiga Bank, The Bank of Tokyo-Mitsubishi UFJ, Ltd.

## Organization Chart



### History

- 1998 | Research and development on supplements begin
- Fundamental development of "decomposition technology using titanium oxide" begins
- Succeeds in the instrumentation of decomposition technology using titanium oxide. Issues a press release.
- Development of medical waste disposal equipment utilizing decomposition technology using titanium oxide in collaboration
- Chosen as a business receiving the new industry creation technology development subsidy by the Kansai Bureau of Economy,
- Trade and Industry (METI-KANSAI) • Development of plastic waste treatment equipment that includes inorganic substances/metals in the recycling of home
- appliances utilizing decomposition technology using titanium oxide in collaboration with a major home appliance manufacturer begins
- The first patent for decomposition technology using titanium oxide is granted (US Patent 7034198)
- Testing equipment is delivered to a major home appliance manufacturer
- Large-scale equipment for mass production treatment is delivered to a major home appliance manufacturer
- Medical waste disposal equipment is delivered to a national university hospital
- RAPAS Co., Ltd. is established
- A licensing agreement for a patent is concluded with a major logistics company
- Registration of Japan Patent 4368707
- Registration of Japan Patent 4380783
- Commercialization and sale of supplements under the "Reperfe" brand begins
- Application for a patent related to the use of zeolites in cosmetics is submitted
- Application for a patent related to the use of zeolites in health foods is submitted
- A licensing agreement for a patent is concluded with a major home appliance manufacturer
- A licensing agreement for a patent is concluded with an equipment manufacturing company
- A major home appliance manufacturer issues a press release regarding the full-scale operation of large-scale equipment
- A national university hospital issues a press release regarding the successful development and installation of medical waste disposal equipment
- Registration of US Patent 7776284B2
- Registration of Japan Patent 4469417
- Registration of Japan Patent 4602690
- Products from the "Reperfe" brand form the Reperfe lineup
- •2 trademarks are registered in Japan (Trademark No. 5340210 and Trademark No. 5376820)
- A licensing agreement for a patent is concluded with an equipment manufacturing company
- Feature in Fuji Sankei Business i.
- Registration of US Patent 7862691
- Registration of Japan Patent 4848479
- Selling of our "Reperfe" lineup at our online store begins
- 1 trademark is registered in Japan (Trademark No. 5410712)
- •4 trademarks are registered in China (Trademark No. 8111081, Trademark No. 8111083, Trademark No. 8111084, and Trademark No. 8111085)
- A licensing agreement for a patent is concluded with an equipment manufacturing company
  - Registration of US Patent 8241584
  - Registration of European Patent 1847313 (France/Germany/Switzerland/UK/the Netherlands/Sweden/Austria/Italy)
  - 1 trademark is registered in China (Trademark No. 8111082)
- A licensing agreement for a patent is concluded with a metal recycling company Registration of Japan Patent 5190897
  - Registration of European Patent 1918032B1 (France/Germany/Switzerland/UK/the Netherlands/Sweden/Austria/Italy)
  - Registration of China Patent ZL200880111643.6 Registration of China Patent ZL200980132297.4
  - Participated in the 2013 Co-medical Industry and Exhibition Conference
- 1 trademark is registered in China (Trademark No. 8111086)
- Selling of the "Super Reperfe" lineup begins
  - Registration of US Patent 8722958 • Registration of Japan Patent 5638746
  - Registration of Japan Patent 5655162
  - •9 trademarks are registered in Japan (Trademark No. 5659368, Trademark No. 5659373, Trademark No. 5706864,
  - Trademark No. 5703412. Trademark No. 5708932. Trademark No. 5708933. Trademark No. 5716524. Trademark No. 5729043, and Trademark No. 5729379)
- The RAPAS Ginza Branch store opens on July 14, 2015
  - Products from the "CHERAD BELLE BEAUTE" and "LALA RESET & LALA MEDIC" brands form the "CHERAD BELLE BEAUTE" lineup and "LALA RESET & LALA MEDIC" lineup
- Sales of products from the "Super Reperfe" lineup expand
- Sales expansion to the USA