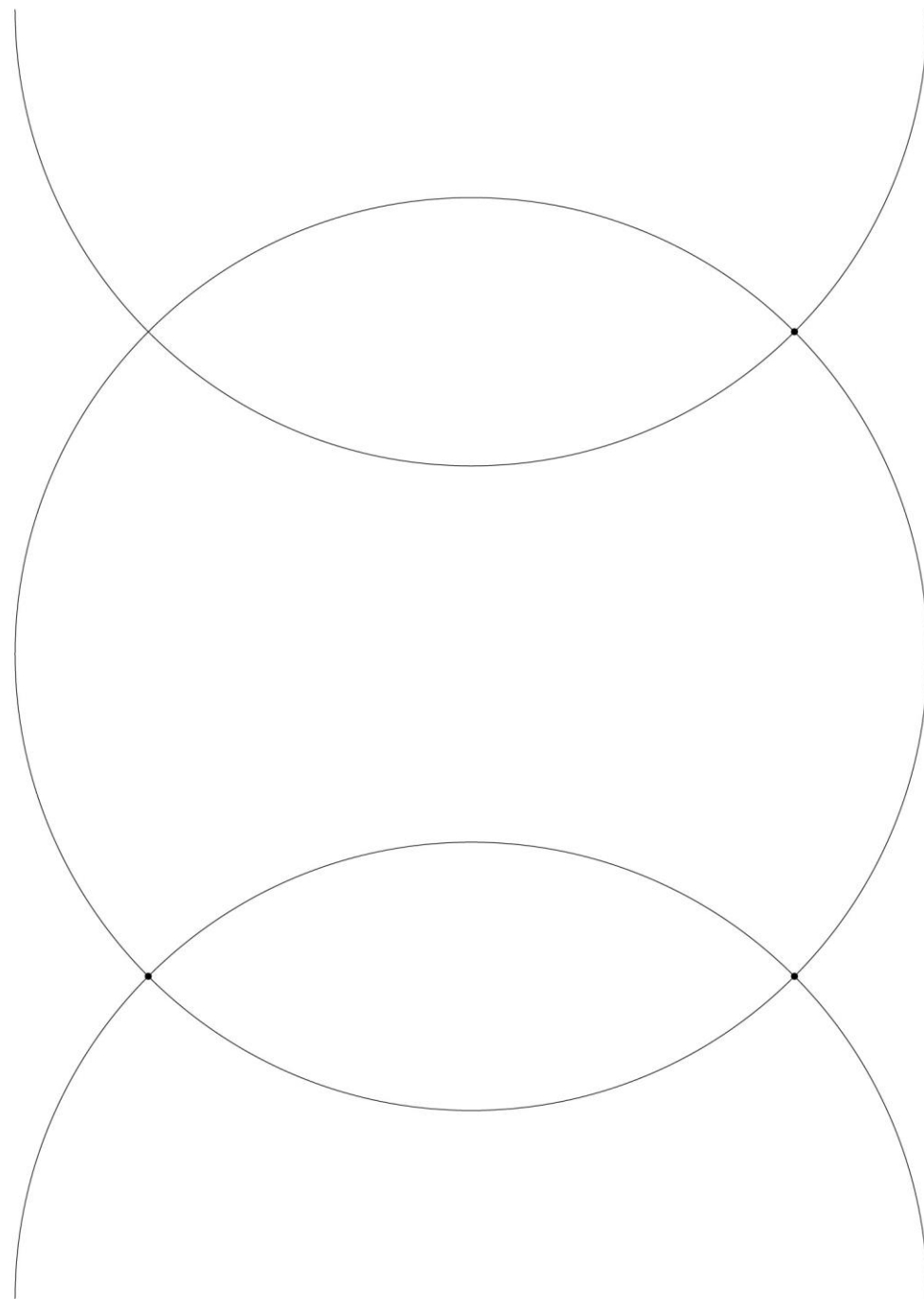


COSMAX  BIO

Company Profile



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01

Company Introduction

COSMAX Philosophy

COSMAX Group Business Areas

History and Growth Trends

Partners

Business Solutions

R&I Center

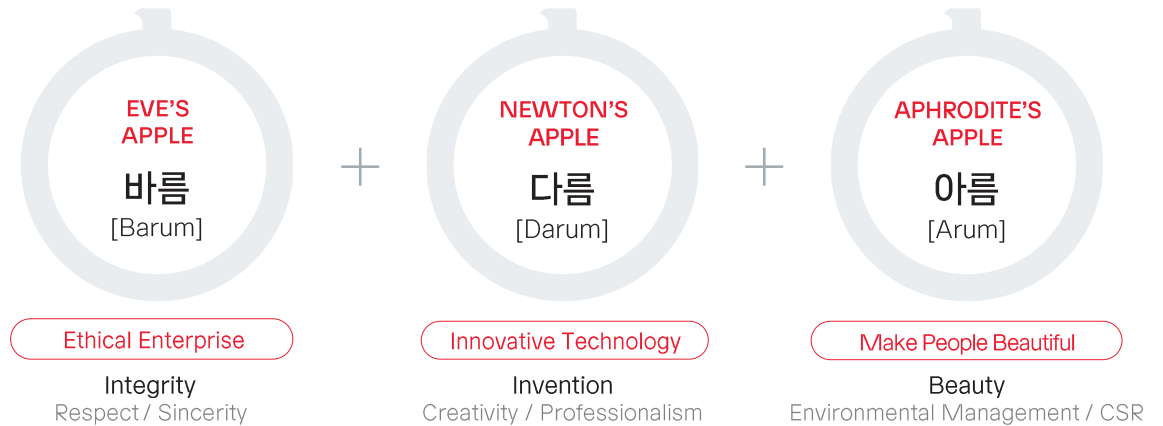
Global Supply Chain

Certification Status

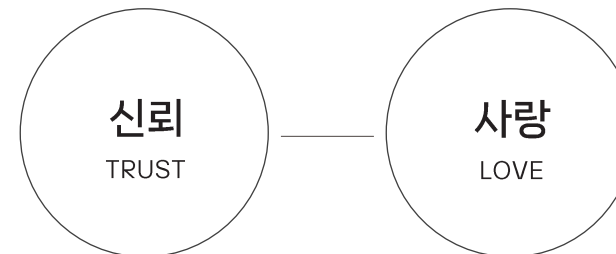
○ SPIRIT OF 3APPLES



COSMAX RING OF THREE PROMISES



○ CORE VALUE



COSMAX Group Business Areas

Holding Company — COSMAX  BTI

COSMETICS

COSMAX 

KOREA JAPAN
CHINA INDONESIA
GUANGZHOU THAILAND
USA

COSMAX  NEO

COSMAX  ICURE

DIETARY SUPPLEMENTS

COSMAX  BIO

KOREA
CHINA

COSMAX  NBT

KOREA
CHINA
USA
AUSTRALIA

COSMAX  NS

PHARMACEUTICAL

COSMAX  PHARMA

KOREA

PET FOODS

COSMAX  PET

KOREA

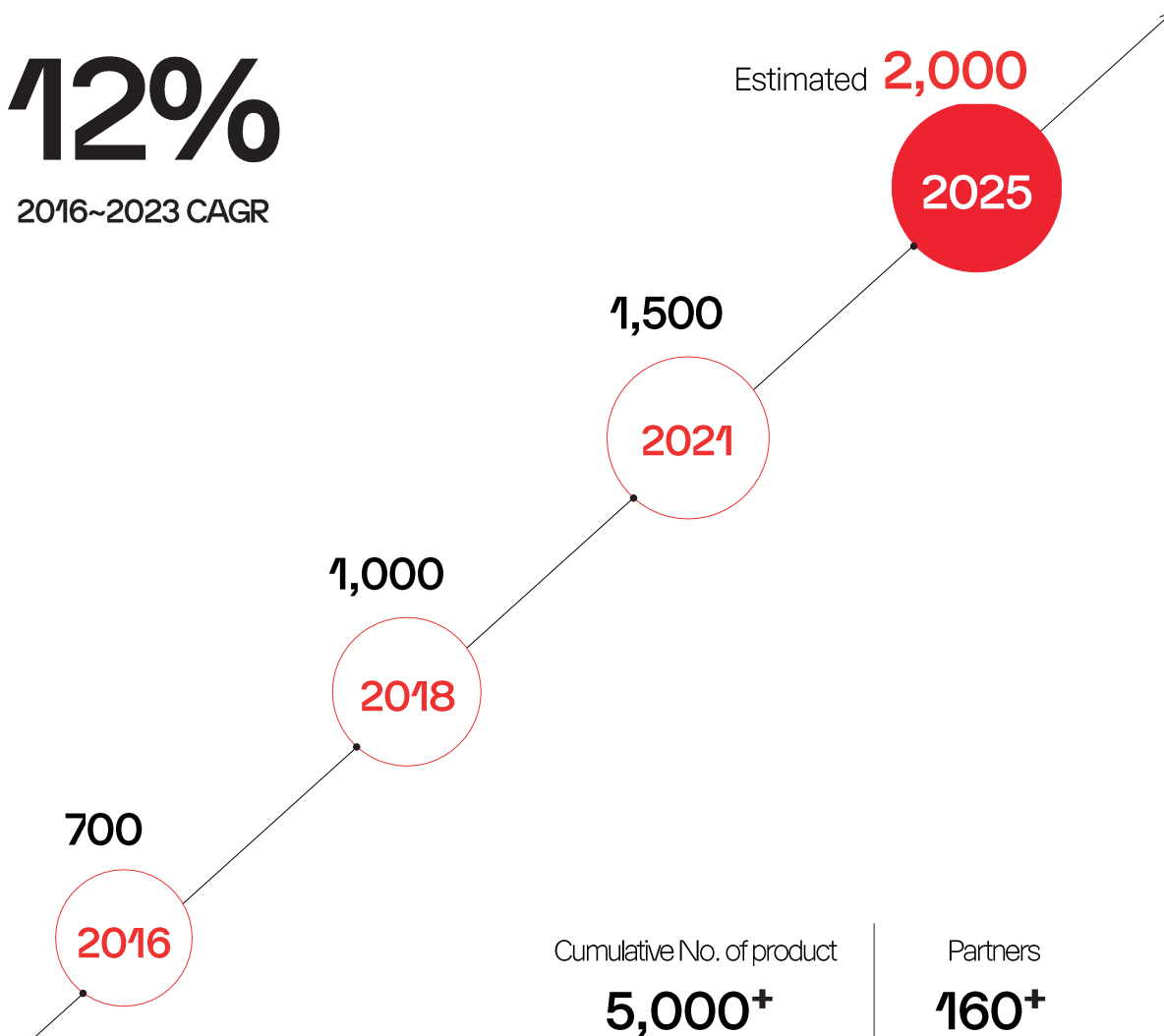
History and Growth Trends

History

1984.12	Establishment
2005.12	GMP(Good Manufacturing Practice)certification
2010.03	First in Korea Stick Jelly for Dietary Supplement
2013.06	First in Korea Patent for Plant-based Soft Capsule
2015.02	First in Korea Patent for Enteric-Soft Capsule
2017.12	Facility in Shanghai, China
2019.12	First in Korea "L7DG" Effectiveness of reducing eye fatigue after smartphone usage on Koreans
2020.05	First in Korea "ReSeringe" Triple functions for skin and body fat on Koreans
2022.12	Designated as a special business operator for Personalized Dietary Supplement
2023.11	Obtained UL cGMP
2024.03	World's Frist "Caviar extract" Clinical study for Skin improvement Dietary Supplement
2024.04	First in Korea "Mini Tab, Ball Tab" Small size Dosage Form for Dietary Supplement
2025.04	First in Korea "SOM Tab" Porous Particle Structure ODT for Dietary Supplement

12%

2016~2023 CAGR



※ based on manufacturing sales (100 Mil. KRW)

Partners

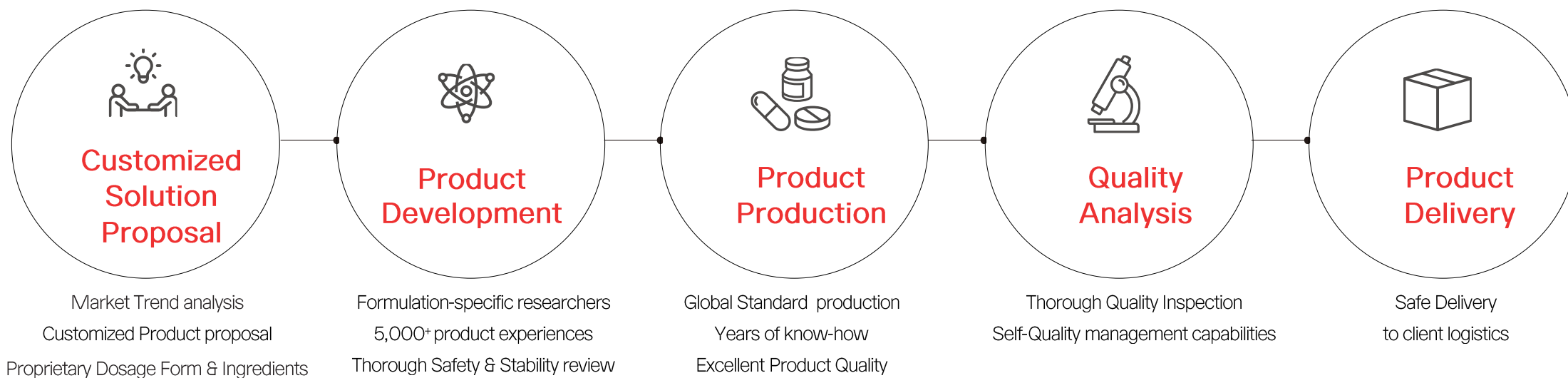
Through continuous technological innovation,
Growing together with over **160** domestic and global partners



COSMAX BIO ONE STOP SOLUTION

Providing differentiated services that can solve everything **from consulting to manufacturing, research, and branding** of dietary supplements at once

○ Business



Specialized Ingredient Formulation

COSMAX BIO's R&I Center leads the research & development of ingredients and formulations in alignment with COSMAX's founding philosophy as a **<Research-driven Company>**

COSMAX BIO R&I Center

Product Development

Dosage Form & Formulations

Dosage Form development
Product development
Ensuring Product Stability

Regulatory Planning

Product Management

Labeling & Advertising review
Policy & Regulation monitoring

Ingredients Research & Development

Ingredients Development

Review and discovery of
new functional ingredients
domestically and globally

50

Researchers

20

Patent registration

19

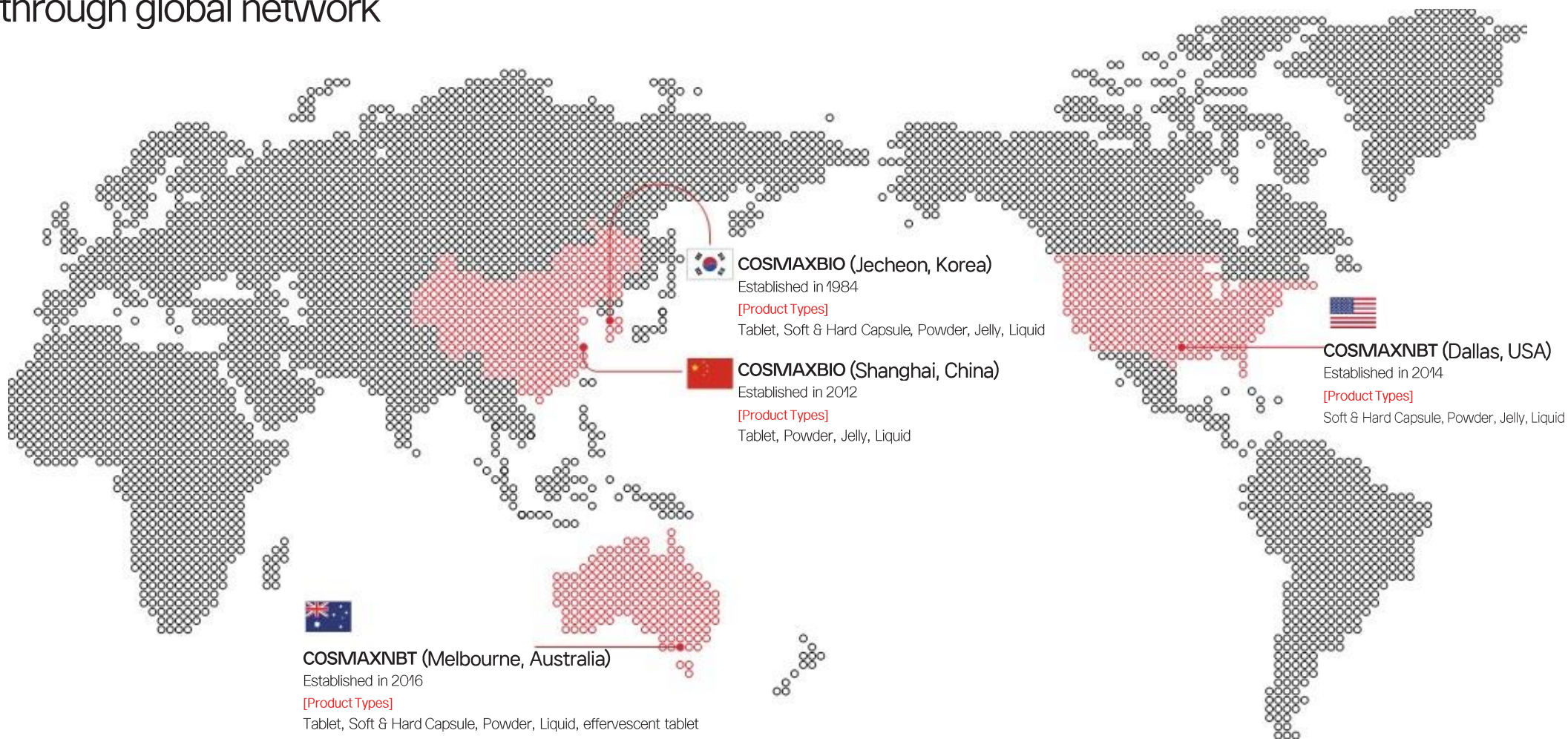
Paper's publication

13

Government
project execution









Global Supply Chain

Support for Domestic & Overseas production and export through global network



Certification Status

Manufacturing hygienic products
that consumers can trust through Domestic & International Certificates

	GMP [Good Manufacturing Practices]	· Excellent food manufacturing and management technology of foods in terms of quality
	ISO 9001, 14001, 45001 [International Organization for Standardization]	· Quality management system certified by International Organization for Standardization
	FSSC22000 [Food Safety Management Systems]	· Systematic food manufacturing management system in accordance with international food safety standards
	UL [Underwriters Laboratories]	· cGMP (Current Good Manufacturing Practice) certified by American National Standards Institute(ANSI)
	HACCP [Hazard Analysis and Critical Control Point]	· Food safety management certification with a scientific hygiene management system
	ORGANIC [Korean Certified Organic]	· Food manufacturing using organic materials
	KMF HALAL [Halal in Korea]	· Food manufacturing under Islamic law for Muslims
	NSF [National Sanitation Foundation]	· cGMP (Current Good Manufacturing Practice) certified by the U.S. National Sanitation Foundation



02

Dosage Form and Packaging Technology

History of Dosage Form Technology

Features and Advantages of Dosage Form

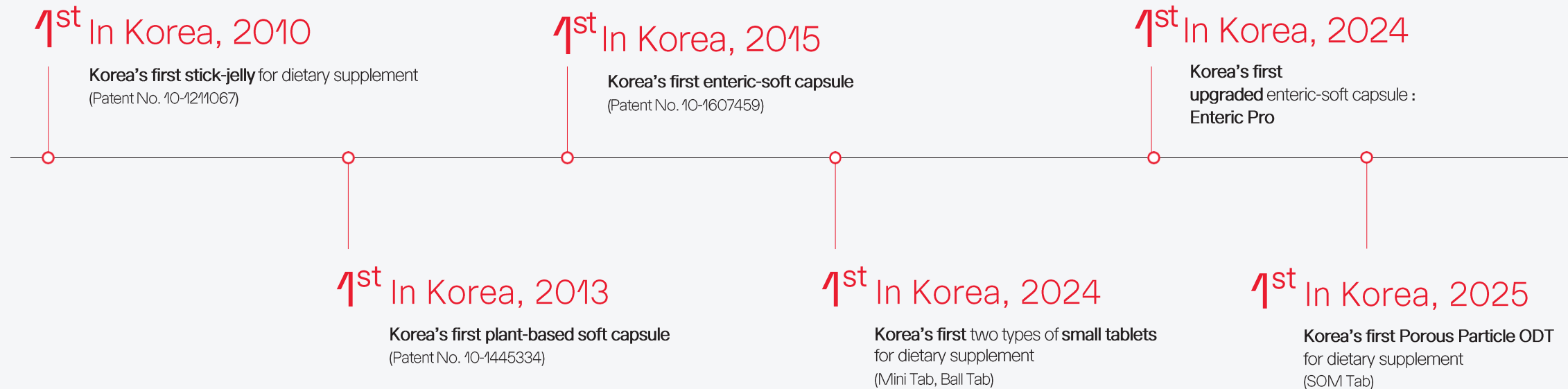
Packaging Technology

Facility

The First

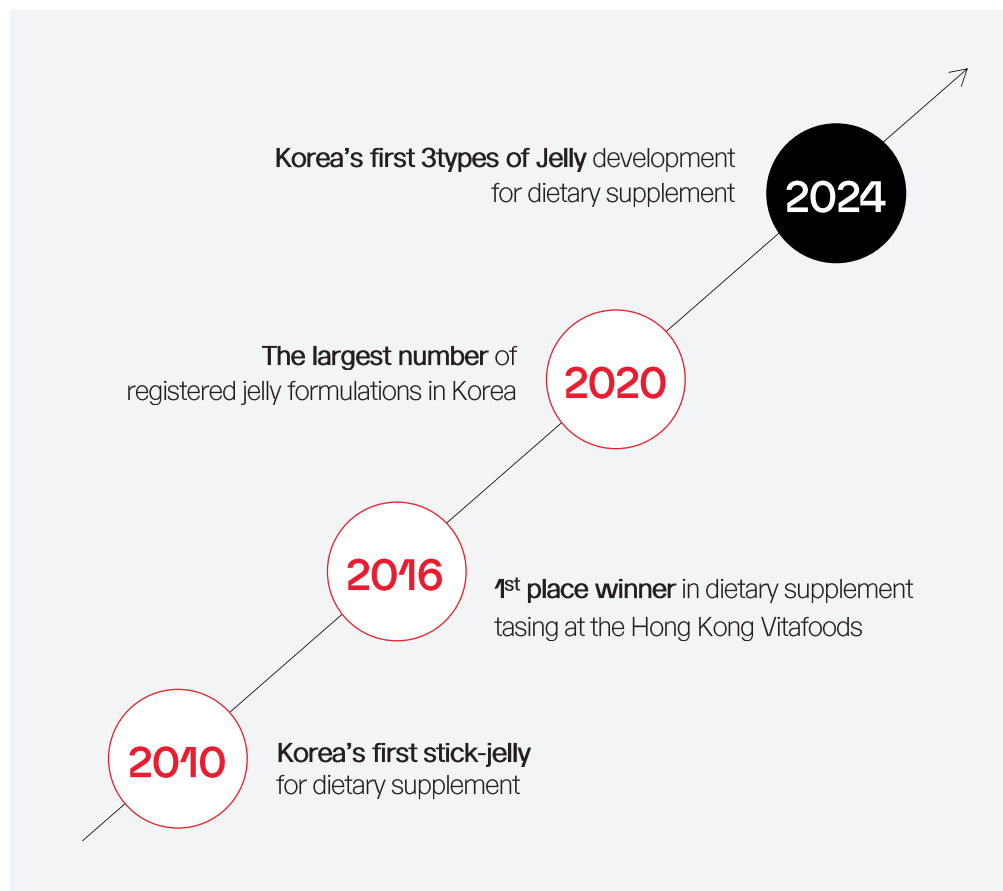
from the First to the Best COSMAX BIO's Dosage Form Technology

COSMAX BIO is developing new technologies that can lead the market through continuous research



Features and Advantages of Dosage Form

With over 14 years of Jelly formulation technology
Continuously innovating technology



3types of Jelly Choose the type that matches the target and ingredients

	Type	Texture	Contents
Stick Jelly	Consume nutritional ingredients in a delicious and convenient way	Moist & Dense	10~30g
Pouch Jelly	Even functional ingredients that require a high intake and difficult-to-mask raw materials can be made more delicious	Melty & Soft	30~50g
Pocket Jelly	Compact size with a unique texture and taste	Firm & Bouncy	20g

Optional inclusion of additional ingredients to enhance texture



Features and Advantages of Dosage Form

○ Plant-based soft capsule

Korea's first plant-based soft capsule in 2013
The only registered patent in Korea for a film composition that does not contain metal salts



Logo

Technology

VegiSoft™

Capsule film technology using natural plant-based ingredients

(Patent No. 10-1445334)

Vegi-Fill™

Technology that improves the stability of soft capsule contents using plant-based ingredients

(Patent No. 10-2133837)



Animal-based soft capsule

Our plant-based soft capsule

Plant-based soft capsules that **maintain their shape without melting**, even in heat stability test conducted at 120°C

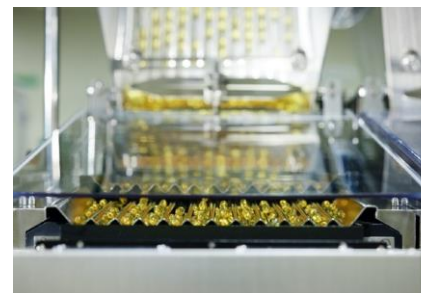
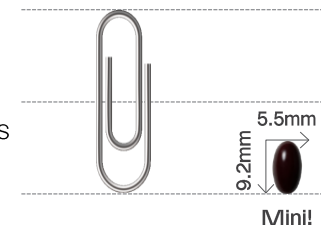
○ Chewable Plant-based soft capsule

Chewable type | Sweet & tangy fruit flavor | Popping texture



○ Mini soft capsule

Reduced to 1/5 the size of regular soft capsules
At 91 mg, the smallest size among mini capsules in Korea



Establishment of a dedicated line equipped with specialized facilities for plant-based soft capsules

Features and Advantages of Dosage Form

Enteric-Soft Capsule

Patent for **Korea's first enteric soft capsule in 2015**

Korea's first patent application for upgraded enteric soft capsule in 2024
considering gastric acid resistance

Logo

ENTERICAP™

Technology

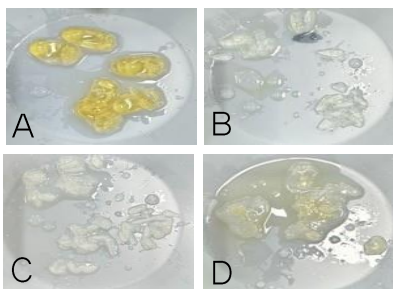
A **clear-type film composition** for enteric soft capsules with superior quality **without the need for a coating process**
(Patent No. 10-1607459)

ENTERIC PRO™

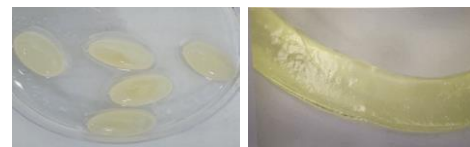
Using a **specially formulated film base**, it stably **reaches the intestines without disintegrating** under various pH conditions
(Patent pending)

Designed to consider the changes in stomach acid pH based on age & before/after meals

Korea's first and only - Enteric Pro technology



VS



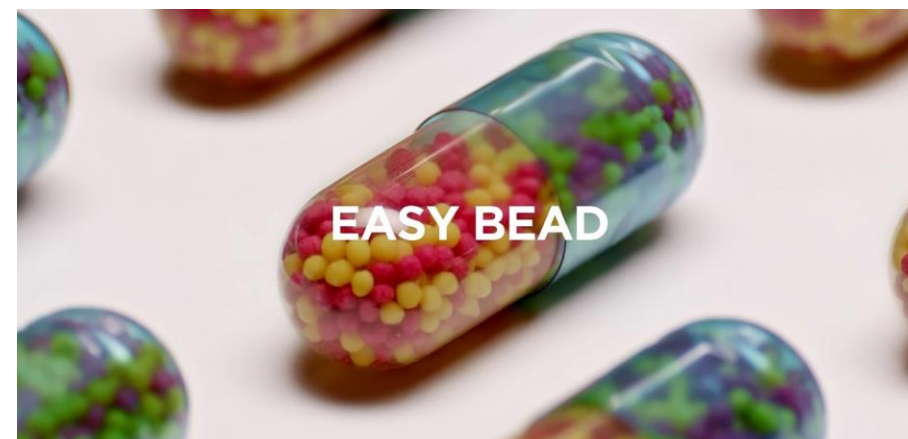
Disintegration comparison at pH 2, the same condition as stomach acid (COSMAX BIO)

Uniformly sealed seams ensure optimal stability without leakage

Easy Bead easy bead™

First application of colorful mini beadlets in dietary supplement

A formulation with functional ingredients coated on beadlets
smaller than 1.5mm



More than 110 tests conducted over 1.6-year development period

By selecting the desired color and functionality for the mini beadlets,
color marketing can be applied according to nutrients



Features and Advantages of Dosage Form

○ Small Tablet

Ultra-small dosage form, **less than 4mm** in diameter with round shape like a pill, easily consumed by chewing
Secure **the same stability as tablets**

Mini Tab™



Ball Tab™



Choose between 2 types depending on size and appearance

Applicable to various dietary supplement (protein, multi-vitamins, brewer's yeast, etc) and general food



Packaging types designed for convenience of intake and portability
(stick pouch, multi-pack)

○ Chewable Tablet & Melting Tablet

Even those who have difficulty swallowing regular tablets can **enjoy chewing or dissolving them without water**
Various molds can be applied (standard round shapes, animal shapes)



Soltab™

○ Melting Powder

A new powder type that **dissolves smoothly** in the mouth without **any chalkiness**, allowing for **quick absorption**

○ Effervescent Powder & Tablet

Using **potassium carbonate** to create a smooth carbonation sensation
A low-sodium product with **significantly reduced sodium content** compared to regular effervescent tablets

○ Excipient-free PHGG coating

Korea's first excipient-free PHGG coating using dietary fiber hydrolyzed from guar gum, **Solve the hardness reduction issue** of commonly used corn protein coatings and **provide excellent gloss**

* PHGG : Partially Hydrolyzed Guar Gum

Features and Advantages of Dosage Form

 somTab™

Soft On Mouth

A new cotton-candy-like melting texture, SOM Tab



**Quick to Melt,
Easy to Enjoy**

Melts quickly in the mouth
-easy to consume even for
those who have difficulty
swallowing tablets.



**Convenient Health,
Anytime, Anywhere**

No need for water.
Enjoy anytime, anywhere.

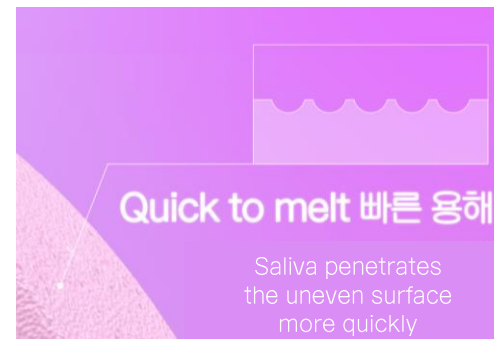


**Delicious Wellness
in Every Melt**

Enjoy a variety of flavors
and textures that deliver
both health and pleasure.

The first in Korea!




ODT with a porous particle structure



The Secret to Fast Dissolution in the Mouth

- Developed over 2years with dozens of tests, our porous particle structure ensures quick dissolution
- Standardized processing enables mass production

Package options

	Ziplock Pouch	One-Touch Bottle	Bottle
Image			
Material	AL-Foil	PE	HDPE
Hardness	Medium to Soft	Medium	Medium
Capacity	Up to 60 tablets	Up to 60 tablets	Up to 60 tablets
Size	120mm x 160mm	100ml	90ml
Sub-materials	X	Foam sheet (Bottom)	Foam sheet (Bottom)
Box	X	Fixing tray	Air-cushion for shipping
Shelf life	24M	18M	18M

Features and Advantages of Dosage Form

○ Popping Candy

Provides a fun, **popping sensation in the mouth**



Unique Experience

providing taste and fun with popping powder that coolly bursts in the mouth

Applicable ingredients

Probiotics, multi-vitamins, enzymes, etc

○ Dual Dosage Form

A **premium** formulation that **combines convenience and functionality in one**, The benefit of being able to consume it with liquid any time, anywhere, without needing water



Multi-Foil



Dual Pack Twist



Equipment under preparation

[Bottle type]

Over-Cap	Bottle (Liquid)
600 mg X 2 tablets 1,000 mg or less X 1 capsule OVAL type is available	20ml
	25 ml
1,000 mg X 2 tablets 1,000 mg or less X 2 capsules	30 ml
	50 ml

[Multi-Foil]


Room A (Tablet)	Room B (Liquid)
500 mg X 2 tablets ※ Capsule is not allowed	30 g

Features and Advantages of Dosage Form

○ Dual Pack Twist

No need to open separately, take it all at once
The evolution of dual formulation



DUAL PACK	
	
Top	<ul style="list-style-type: none"> • 500mg : 3 tablets • 600mg : 2 tablets • Less than 300mg : 3 tablets • Enteric coating (both colored and clear options available)
Bottom	<ul style="list-style-type: none"> • 20ml, 30ml

What makes this special

1. Maximized synergy through formulation tailored to ingredient characteristics

- Offers multi-solution formats to meet various health needs
- Each dosage form is optimized to enhance absorption and deliver maximum synergistic effects

Tablet (Stability, Precise Dosage)	Liquid (Fast Absorption, High Bioavailability)
<ul style="list-style-type: none"> • Insoluble ingredients (e.g. Green tea extract, Ginkgo) • Moisture-sensitive ingredients (e.g. Vitamin C, Enzymes) • Micro-ingredients (e.g. Biotin, Selenium, Zinc, Chromium) 	<ul style="list-style-type: none"> • Water-soluble ingredients (e.g. Vit B-complex) • Immediate-effect actives (e.g. Caffeine, Taurine) • High-dosage ingredients (e.g. Indigestible maltodextrin)

2. Innovative Package & Enhanced Stability

- Utilizes a patented packaging solution that goes beyond traditional dual-form designs
- Upgraded sealing structure significantly improves moisture protection

3. Simple and Convenient in One Go

- Enjoy capsules and liquid together in one go — no need to separate them
- Highly portable and convenient for easy intake anytime, anywhere

Packaging Technology

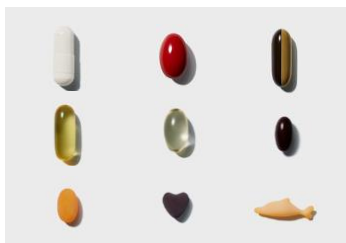
COSMAX BIO's Dosage Form and Packaging Technology

Production of various customized dosage form and packaging to meet client needs



Tablet

Uncoated, Coated, Enteric, Sugar-coated, Fast-dissolving, Chewable, Small Tablet, etc



Capsule

Hard, Plant-based chewable, Soft Capsule (animal-based, plant-based, enteric)



Jelly

Stick, Pouch, Pocket Jelly



Formulation
(Dosage Form)



Powder

Granules, Melting, Water-mix, Effervescent, Easy-bead, Popping Powder, etc



Liquid

Various sensory attributes



Bar

Bar type

Packaging Technology

COSMAX BIO's Dosage Form and Packaging Technology

Production of various customized dosage form and packaging to meet client needs



Tablet, Capsule

 **BOTTLE**

HDPE, PET, Glass Bottle



Tablet, Capsule

 **PTP**

2 / 4 / 5 / 6 / 10 blisters



Tablet, Capsule

 **Multi-Pack**

Multi-packaging with 2 or more dosage form



Powder

 **Stick pouch**

2~30g



Powder

 **Jar**



Package



Jelly

 **Stick · Pocket**

10~30g



Liquid

 **Ampoule · Glass**

25~50ml



Eco-packages

ESG

Considering eco-friendly packaging



Jelly

 **Pouch**

30g ~ 50g



Liquid

 **Pouch**

40~80ml

Tablet, Capsule

Liquid

 **Dual Dosage Form**

Tablet or Capsule + Liquid

20~50ml bottles or 30g pouch

Oct. 2024Y

Site Area

19,131 m²

Building Area

24,135 m²

Capacity : unit / day

VEGI SOFTGEL : 600,000

GELATIN SOFTGEL : 720,000

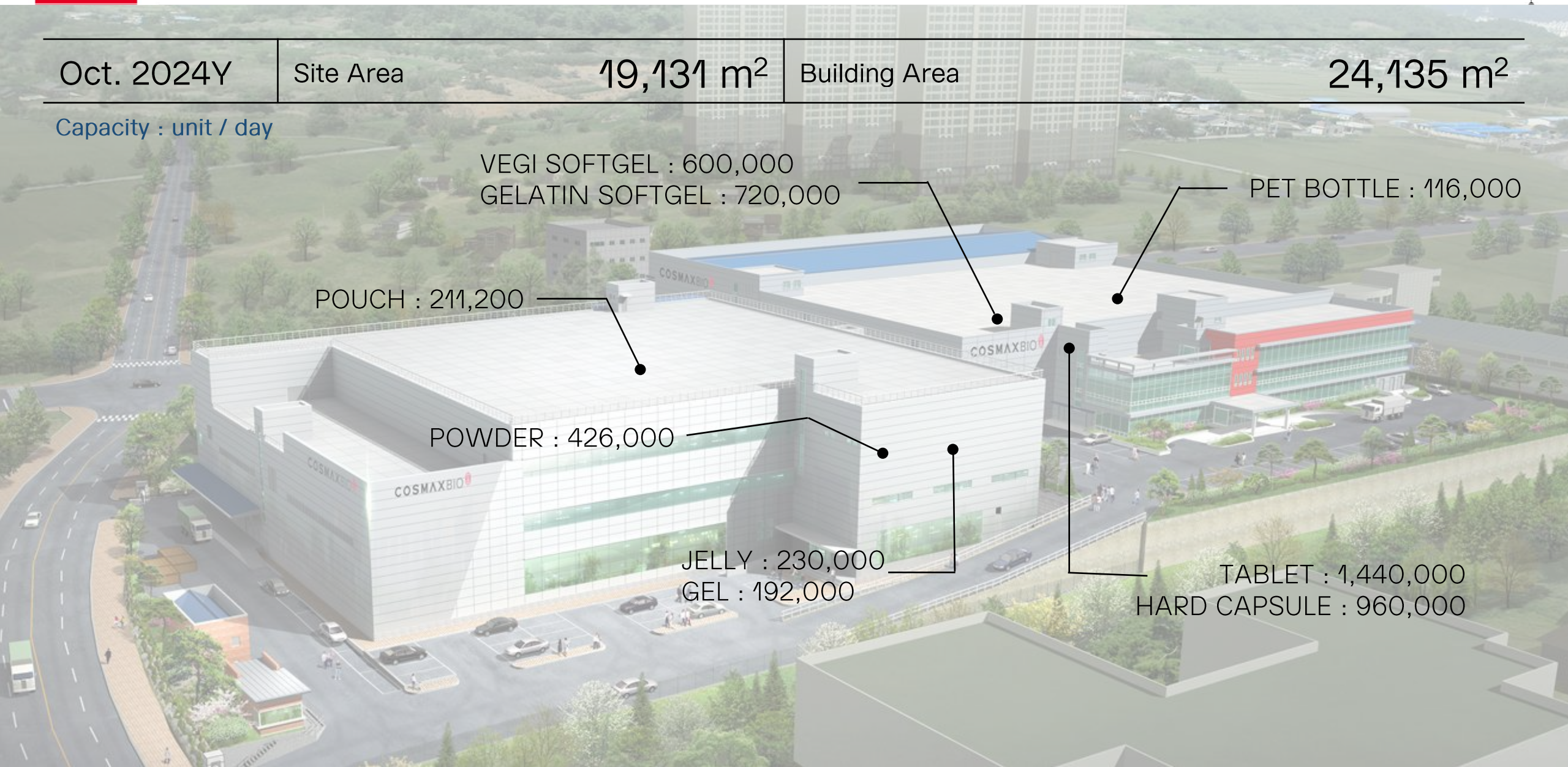
PET BOTTLE : 116,000

POUCH : 211,200

POWDER : 426,000

JELLY : 230,000

GEL : 192,000

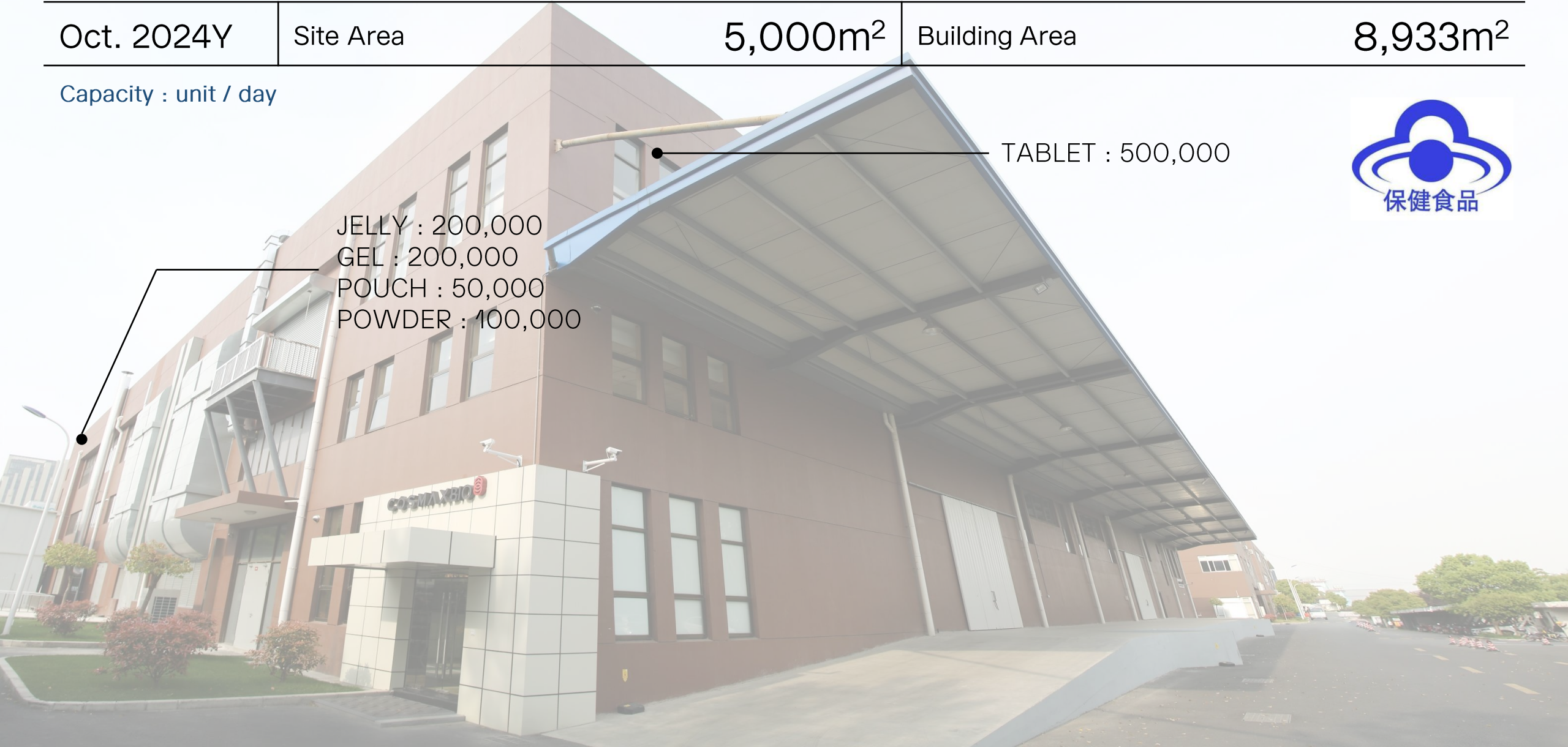
TABLET : 1,440,000
HARD CAPSULE : 960,000

Oct. 2024Y	Site Area	5,000m ²	Building Area	8,933m ²
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Capacity : unit / day

JELLY : 200,000
GEL : 200,000
POUCH : 50,000
POWDER : 100,000

TABLET : 500,000





03

Ingredients

History of Ingredients Development

Representative Ingredients

The Best

Advancing towards the Best COSMAX BIO's Ingredient Technology

We are continuously striving to develop functional ingredients, recognized for their efficacy and safety by global institutions such as the MFDS and the FDA, through the discovery and research of natural and microbial raw materials



Representative Ingredients

○ Individually approved functional ingredients by MFDS



L7DG®

차즈기추출물
Perilla frutescens var. acuta Kudo

Eye Health

Helps improve eye fatigue

MFDS certification No. 2019-17

First in Korea Proven to improve eye fatigue after smartphone usage on Koreans



ReSeringe®

수국잎열수추출물
Hydrangea serrata Seringe

Weight Loss

Skin Health

Helps reduce body fat, Moisturize (dry) skin, Maintain good skin health by protecting against damage from UV exposure

MFDS certification No. 2020-7

First in Korea Triple functions for skin and body fat on Koreans

Selected for 'Top 100 National R&D Achievements' in 2021



SUNMAX®

로즈마리추출물등복합물
Rosmarinus officinalis L. and Tagetes erecta L.

Skin Health

Helps maintain skin health from skin damage by UV

MFDS certification No. 2021-18

Rosemary : Marigold = 8:1 ratio

Proven to improve four types of facial wrinkles caused by UV damage



BOSMAX®

보스웰리아추출물
Boswellia serrata

Joint Health

Helps maintain healthy joint

MFDS certification No. 2024-15

First in Korea Proven anti-inflammatory effects on joints

Reduced intake dosage & Highest levels of active biomarkers compared to existing one



Hovenia dulcia extract

Hovenia dulcis Thunb.
extract powder

Liver Health

Exercise performance

Fatigue improvement

Helps protect liver from alcoholic liver injury, Improve endurance, Reduce fatigue

MFDS certification No. 2008-55

First in Korea Protect liver from alcoholic liver injury

Received the Presidential Citation twice in 2001 & 2012



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