

TAEBANG PATEC CO., LTD

PROFILE

IR₅₂ 장영실상
2017 IR52 Jang Young Shil Awards
Korea Industrial Technology Association(KOITA)

GD GOOD DESIGN
2017 Good Design Selection
Certificate of Good Design Selection(KIDP)

WPO
2016 World Star Awards
World Packaging Organisation(WPO)

특허청
2015 Patent Technology
Ji Seogyong Awards
Korean Intellectual Property Office(KIPO)

Packaging Technology
(주)태방파텍
TAEBANG PATEC CO.,LTD.



1. Corporate Philosophy & Core value

Corporate Value

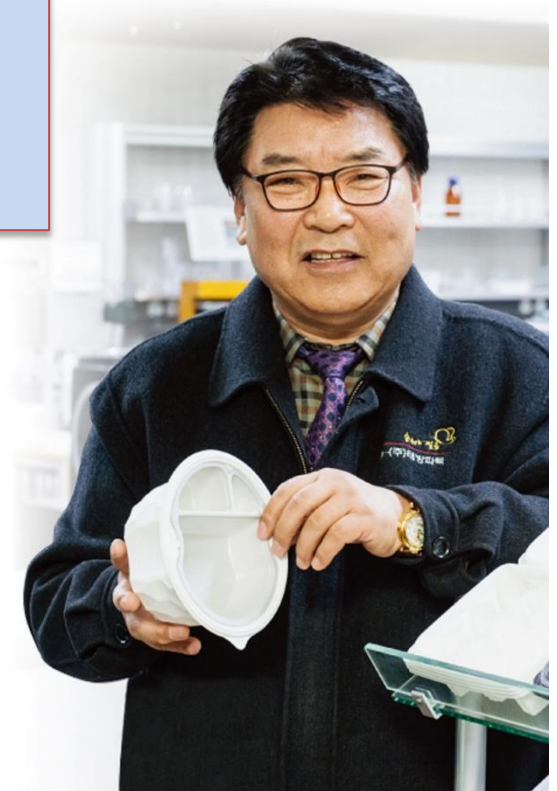
Industry Leader in Food Packaging

Aim to Enhance Customer Satisfaction

Worldwide Distribution

Three Core Value

- Customer Oriented (고객중심)
- Differentiation (차별화)
- Collaboration (협력)



2-1. Company Profile

Company Taebang Patec Co., Ltd

Workforce 84 employees

Establishment 1989. Nov.

Industry Packaging Manufacturer and Trading.

Address

•HQ
#94-20, Woram-ro, Baekseok-Eup, Yangju-si,
Gyeonggi-Do, Korea / 11517
•Sales Office
Rm.501, 10, Yatap-ro 81beon-gil, Bundang-gu,
Seongnam-si, Gyeonggi-do, Korea

Products

Flexible Packaging
ZZim pak, the ZZim mini,
Film, Tray

Headquarters/1ST Factory

Flexible Packaging Factory



2nd Factory

Tray, ZZim pak Factory

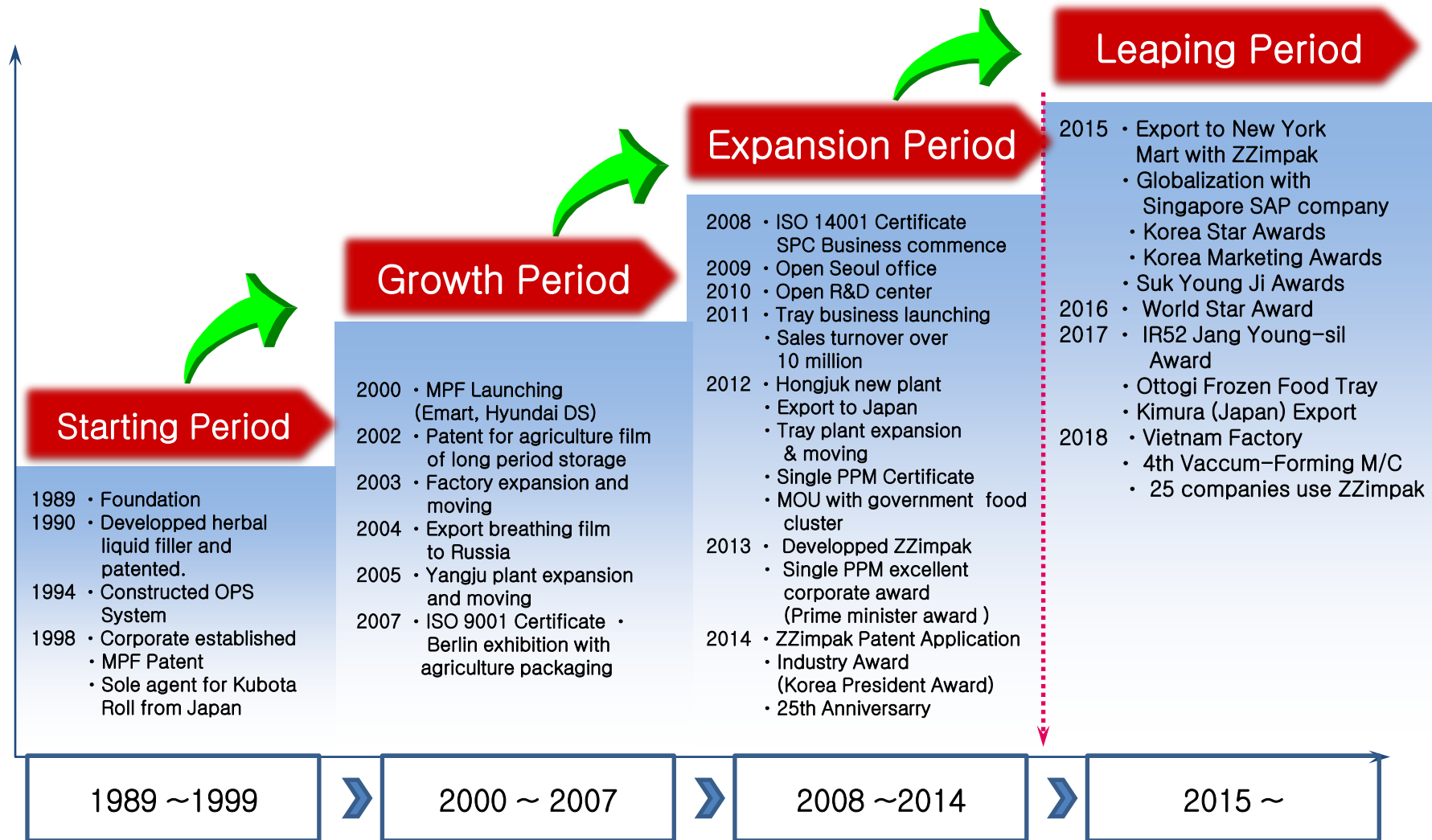


3rd Factory

ZZim Mini Factory

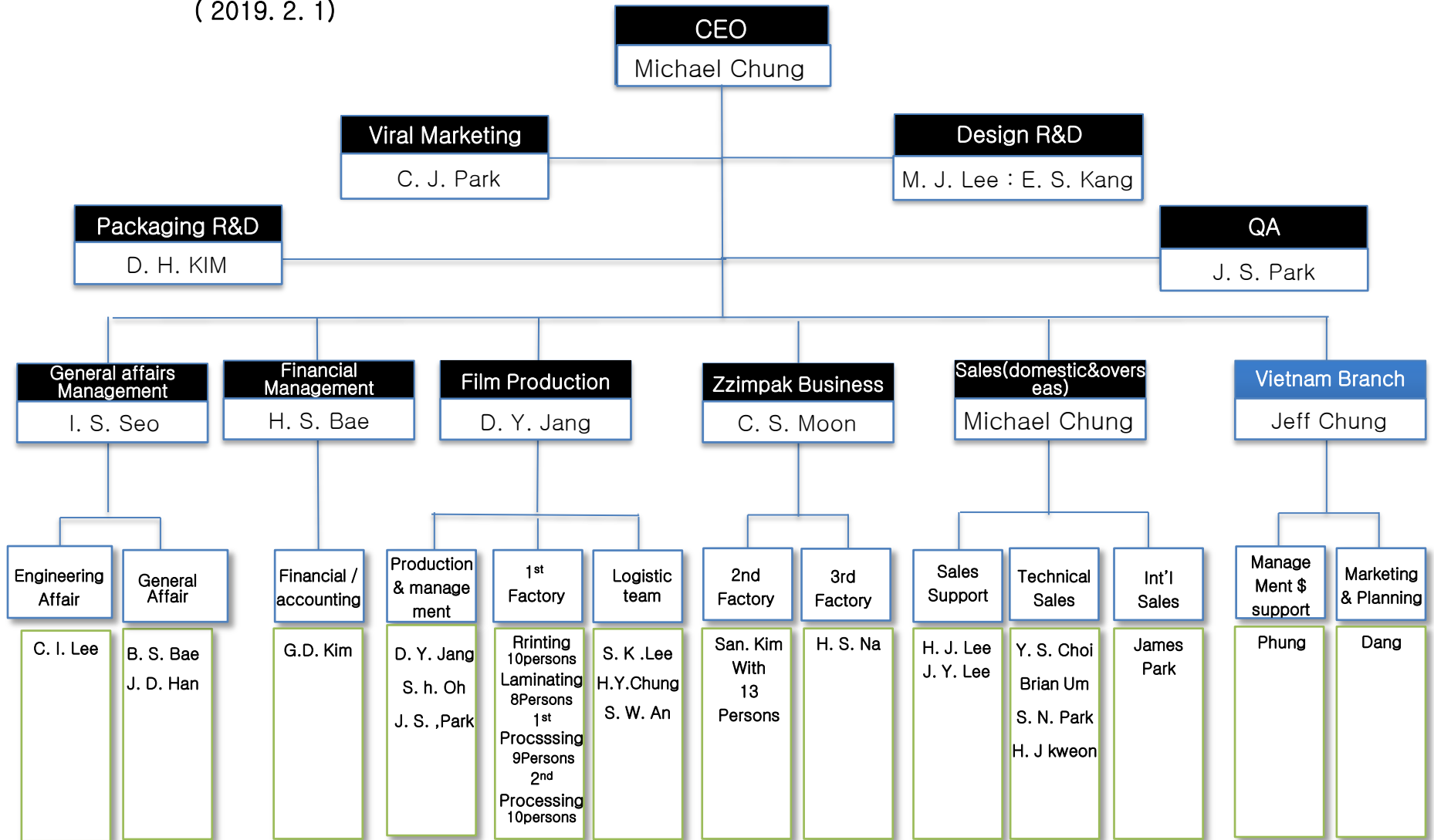


2-2. Company History



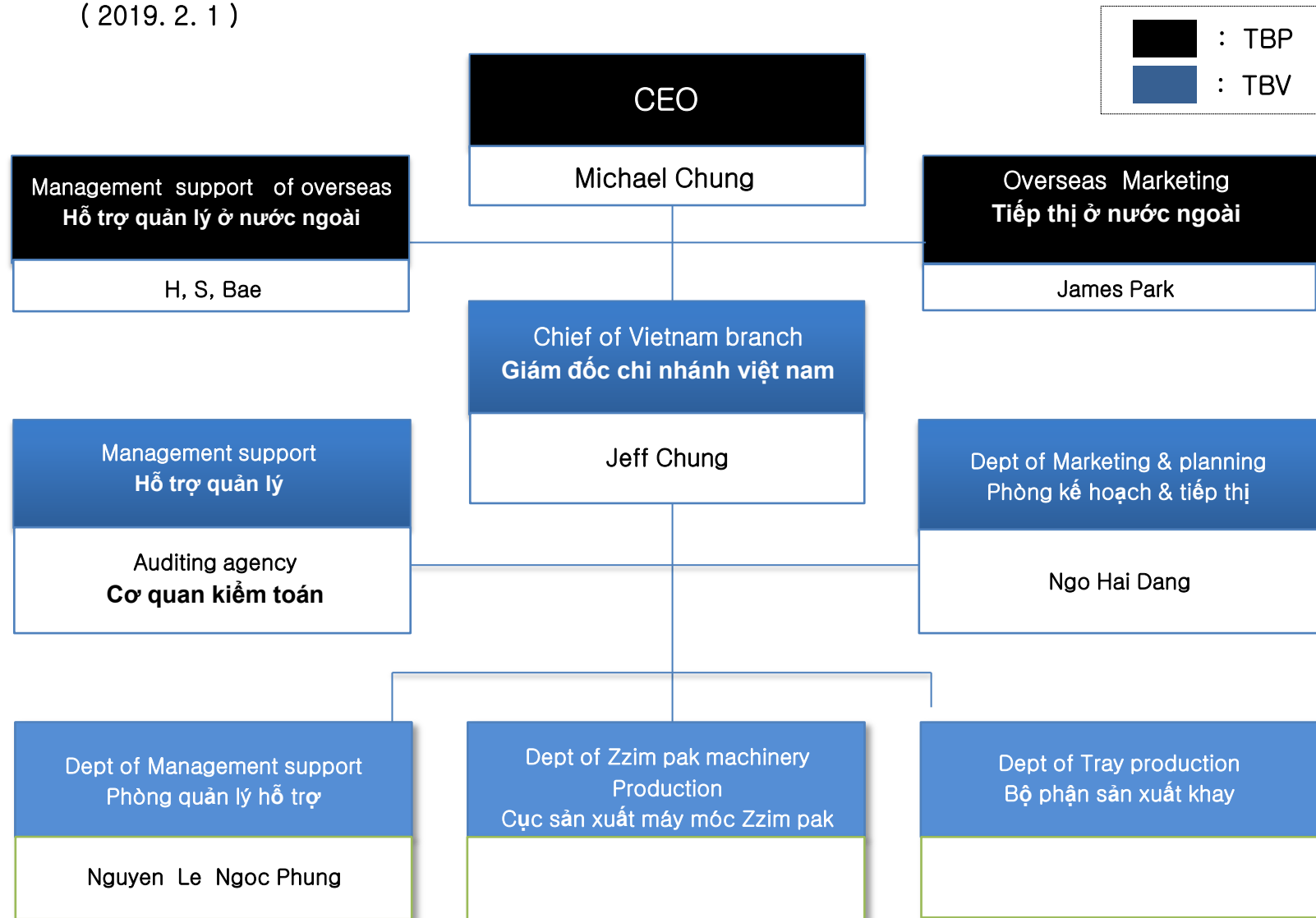
2-3. Organization Chart

(2019. 2. 1)



2-4. HCM FA

(2019. 2. 1)



3. One-Stop Packaging Solution(OPS)



3-1. Flexible packaging Division

■ 1st Factory Production Item / Flexible packaging Division



Processed & Household Items



Confectionery & Bakery



Medicine & Health Foods



Hand Edge Bag



Lid Film



Fresh Agricultural Produce

3-2. Flexible packaging Division Facility



Gravure Printing Room



Laminating Room



Inspection Machine



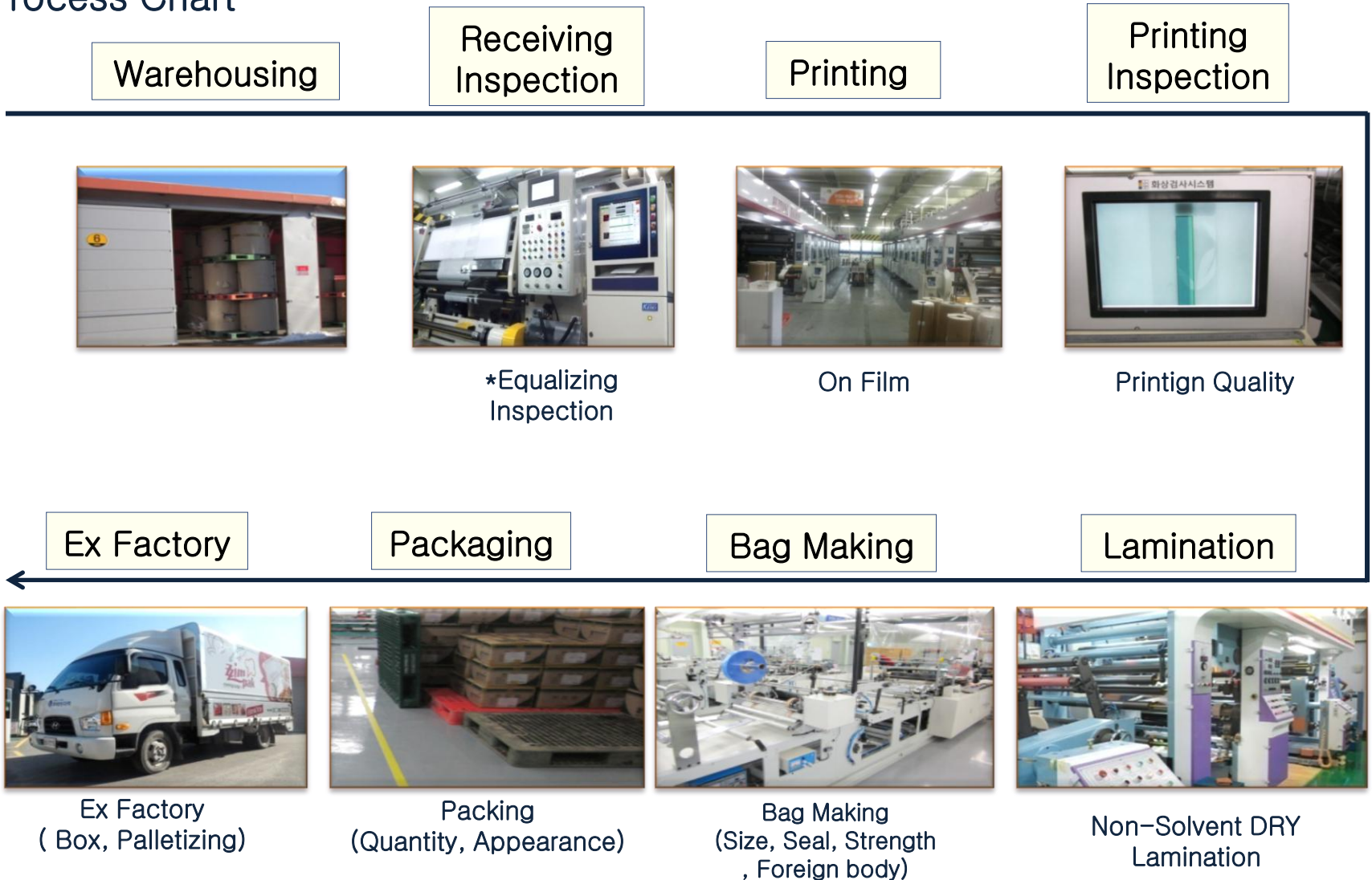
Bag Making Room

● Manufacturing facilities list

Division	Facilities	Qty
Gravure Printing	Gravure Printing M/C 4set (9Colors X 2set ,8Colors X 1set, 5Colors X 1set)	4sets
Lamination	T-Die/SD X 1set, NS Dryer X 1set, Inspection M/C X 1set, Slitter X 2sets	5sets
Fabrication 1 st room	FP X 9, OP X 5, MP X 2 Slitter X 1, Punching X 1, M-shape X 1	19sets
Fabrication 2 nd room	SS X 1, FP X 3, MX 2, Tompson X 1	7sets
Inspection	Auto Inspection Machine	1sets

3-3. Flexible packaging Division

■ Process Chart





<Air Shower>



<Mould Room>



<Vacuum Forming>



<Packing & Storage>

● Facilities

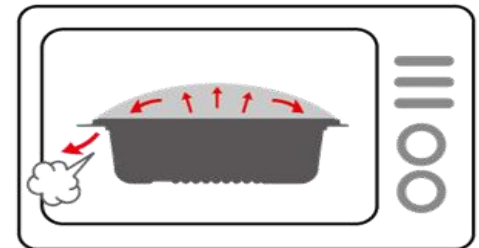
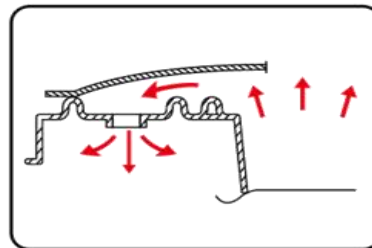
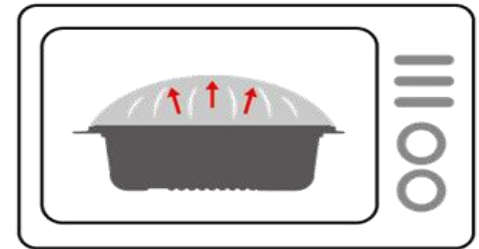
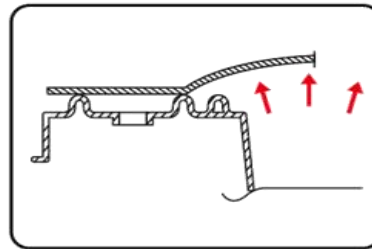
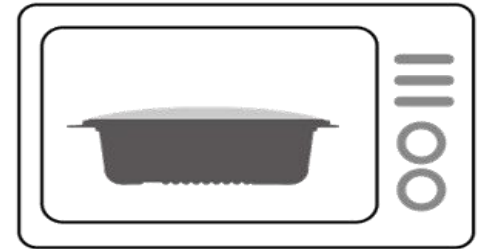
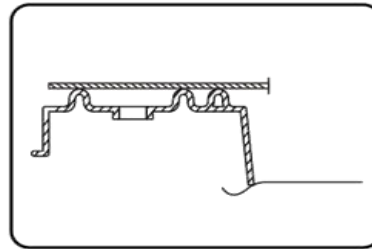
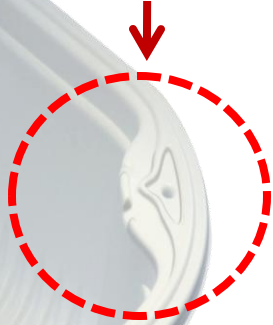
Machine	Facilities	Q'ty	Capacity / Function
Forming machine	2 Vacuum forming, 2 Thermo forming	4	320,000EA/24HR
Trimming machine	3 Auto, 3 Manual	6	450,000EA/24HR
Removing Alien	Anti static, vibration, air	2	Semi-Automatic
Punching M/C	punching	1	Semi / Full Automatic



2017 – IR52 Jang Young Sil Award Product

Principle of “ZZim pak” = “Pressure Cooker” Principle

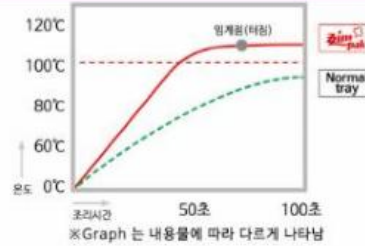
ZZim pak
Core
Technology



1 Steam-Cooked Effect

Maximize Steam effect for supersaturated steam generation utilizing principle of pressure cooker

Changes in internal temperature and pressure

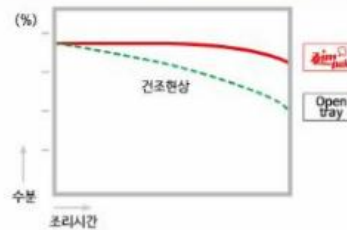


2 Improved Food Quality

As a result of being cooked in hermetically sealed space, it was not dried and maintained a moisture content inherent in the food to improve flavor texture



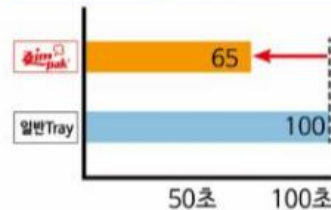
Changes in water reduction rate



3 Energy Saving

Cooking time is shortened by water vapor pressure, and electricity saving is possible

Energy Savings



4 Absolute Convenience

Convenient! Because you can warm food without peeling lidding film



5 Easy Peel

Easy Peel film suitable for container is developed and It is convenient to open easily



6 Clean & Safe

It is sanitarily maintained as it is cooked immediately sealed. It is made of eco-pp material containing more than 20% natural stone, it is environmentally friendly



4-4. Way to Enjoy



“ZZim pak” Enjoy This!



Please put the sealed Zzimpak in the microwave oven



Key Point

- Don't open the lidding Film
- Keep cooking time



Automatic Ventilation



Easy Open Function



Take it out

Product	Development Purpose	Product	Development Purpose
	<ul style="list-style-type: none"> ■ Usage : Fried Rice, Noodle Gratin, Stew ■ Design and Size for 1 Person ■ Extensive us ■ Dongwon F&B, Dae-Sang 		<ul style="list-style-type: none"> ■ Usage : Rice, Noodle ■ Easy to Eat ■ Convenient Tray ■ Hygienic Package
	<ul style="list-style-type: none"> ■ Usage : Fried Rice, Deli ■ Singapore SATS Inflight Meal ■ Ottogi & Sajo 		<ul style="list-style-type: none"> ■ Usage : Korea Food Vento ■ R&D Progress with CP1 ■ 7-11 in Thailand 12,000 Store Supply Plan
	<ul style="list-style-type: none"> ■ Usage : Stir-Fried jja-jang ■ Zzimpak for Noodle ■ Sauce & Noodle Separately ■ Matsudani Korea 		<ul style="list-style-type: none"> ■ Usage : dried yellow corvina ■ First Product application for Traditional Korea food ■ Easy to eat dried yellow corvina ■ Namdo-Ae-Flower, Miga-gulbi
	<ul style="list-style-type: none"> ■ 5pcs tray for Raw Shrimp ■ Ready to Eat – Shrimp ■ Easy to eat 		<ul style="list-style-type: none"> ■ Usage : Dumpling ■ 6pcs tray for Dumping ■ Supply for Costco ■ Export to France

4-6. Main products made with ZZim Pak



<GMF – Dumpling 2 kinds



<Noodle Products>



ZZimpak AD



<Processed Meat Product>



<SATS Laksa>



<Processed Sea food >



Steel Mould



Sheet (PP/ PS/PET)



Forming M/C



Auto Trimming



Air Shower



Quality Control



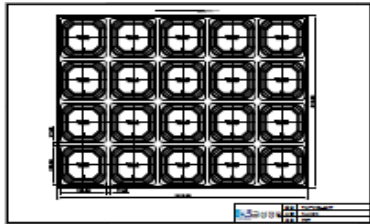
Packaging

Design Planning



Design Planning

- Planning Consideration
- Product Concept
- Market Environment
- Safety requirement
- Customer requirement
- Contents, Packaging size



3D Design
(CNC Gravure)



EX factory



1. ZZim pak Component Materials

- PP(poly propylene): 75~80%
- Talc(mineral): 20~25%
- 비중 : 1.05 (PP : 0.94)

ECO-PP

2. ZZim pak material advantage

- Eco-friendly material
- CO₂ reduction
- Heat-resistance Improvement
- Insulation(Stone-Pot Effect)

Certificate of Examination Results

Grade : M710

Properties	Test Method	Unit	Spec.	Results
Density	ASTM D1505	g/cm ³	0.85-1.00	0.90
Maximum Extractable Fraction in n-Hexane @25 °C	FDA 177.1520	wt%	5.5 Max.	4.1
Maximum Extractable Fraction in Xylene @25 °C	FDA 177.1520	wt%	30 Max.	7.7

GS Caltex Corporation HI-PP/ENE Polypropylene Grade, M710, complies with food additive regulation 21 CFR 177.1520, being in force in the United States of America. The additives present are sanctioned by appropriate food additive regulation.

W. J. Bae
Team Leader
Polymer R&D

M710 FDA Standard Cert

Certificate of Examination Results

Grade : MT14

Properties	Test Method	Unit	Spec.	Results
Density	ASTM D1505	g/cm ³	0.85-1.00	0.90
Maximum Extractable Fraction in n-Hexane @25 °C	FDA 177.1520	wt%	5.5 Max.	3.9
Maximum Extractable Fraction in Xylene @25 °C	FDA 177.1520	wt%	30 Max.	7.5

GS Caltex Corporation HI-PP/ENE Polypropylene Grade, MT14, complies with food additive regulation 21 CFR 177.1520, being in force in the United States of America. The additives present are sanctioned by appropriate food additive regulation.

W. J. Bae
Team Leader
Polymer R&D

MT14 FDA Standard Cert

시험성적서

1. 분석 시 번호 : 2017-080000

2. 의뢰자 : (주)ZZIM

3. 시험일자 : 2017년 08월 09일 ~ 2017년 08월 10일

4. 시험목적(요청 사항) : BPA 프리

5. 시료명 : F-PP(복합)

6. 시험방법

7. 시험결과

8. 비고

2017년 08월 10일

한국건설생활환경시험연구원

Bisphenol Free Cert.

친환경 우수포장 인증서

인증번호 : 2015-01
포장제품명(모델) : 판자레인지용 식용용기 (ZZIM PAK)
신청회사명 : (주)재명사학
대표자 : 영희 김
주소 : 경기도 양주시 백석동 풍곡리 444-1
검사·출기관 : 2015.07.10

NO.	인증 내용	판정
1	포장의 재질별(Resin, Resin, Resin) 및 포장재기종	적합
2	상용 이외의 포장 공간용기의 적정성	적합
3	포장비가 내용물에 상응한 적정성	적합
4	포장재료 및 용기의 위생, 안전성	적합
5	한국환경 포장관련 법규 준수	적합

인증유효기간 : 2015.08.08 ~ 2016.08.07

2015년 11월 11일

사단법인 한국환경포장진흥원

Green Packaging Cert.

5. Main Partners

Domestic



Overseas



7. Corporate event



New plant & Single PPM certificate 2012



Korea President Award 2014



New York Mart ZZim pak First Export(2015)



suk Young Ji Awards 2015



WORLD STAR AWARD 2016



Jang young-sil award(2017)



“Thank you~”

02. Feb. 2018
Mt. Seorak -Dae Chung Bong