



Leater More than Packaging

Leater Shanghai Branch---Tuming Industrial

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01



Introduction

Shanghai Tuming Industrial Co. Ltd.

Company Introduction



Covering an area of
37,500 m² for phase 1



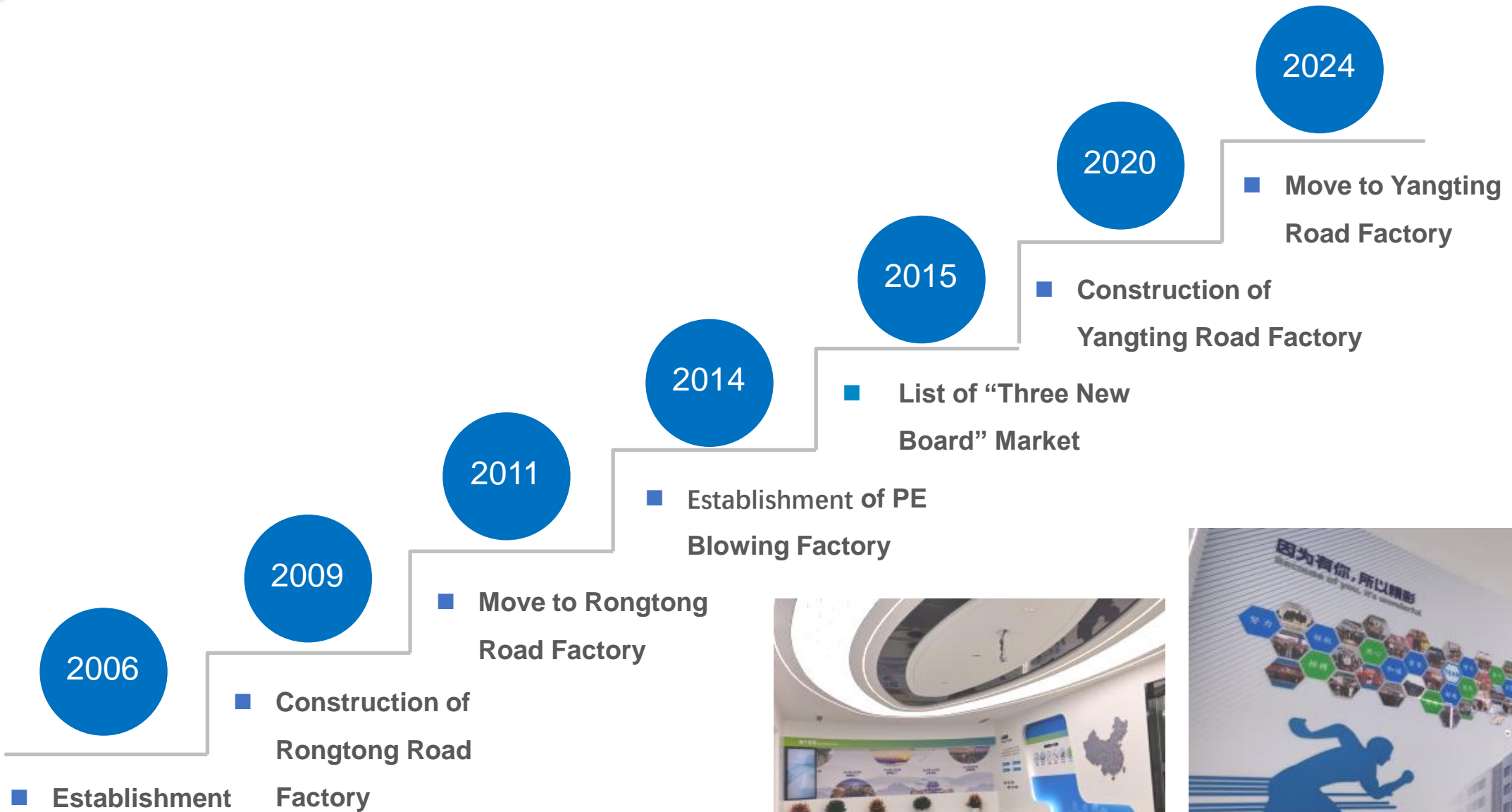
14,000 spaces of intelligent
storage



Designed annual capacity
of 46,000mt



Development History



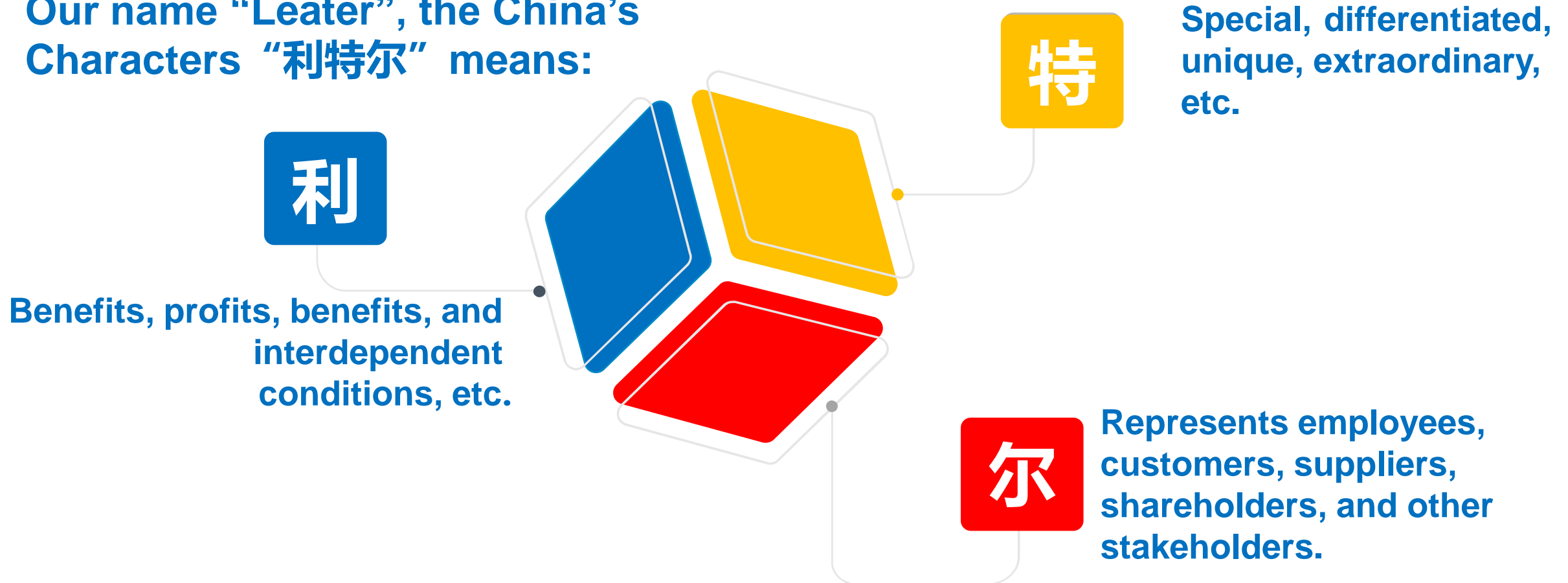


Business Culture

Our Mission

To achieve the best balance of interdependence among employees, customers, shareholders, suppliers and other stakeholders.

Our name “Leater”, the China’s Characters “利特尔” means:



Our Vision



Innovation

Responding to the requirements of innovation:

Continuously optimize business model innovation to empower the company sustainable growth;

Utilizing leadership-driven and innovation-driven to build the company's differentiated core competencies



To be the benchmark of sustainability and innovation in the flexible packaging industry

Responding to the requirements of sustainability:

Sustainable Development: Utilizing market-driven, we will maintain long-term sustainable development based on large consumption, while exploring large health and new energy markets;

Green Digital Intelligent Factory: The company is building on the “Four Harmonizations” to meet future competitive needs.



Green



Our Value



顾客至上

Customer Focus



学习与创新

Learn & Innovation



公平与公正

Equilibrium & Fairness



赞许与守信

Admiration & Faith



团队与合作

Team work & Cooperation



执行与沟通

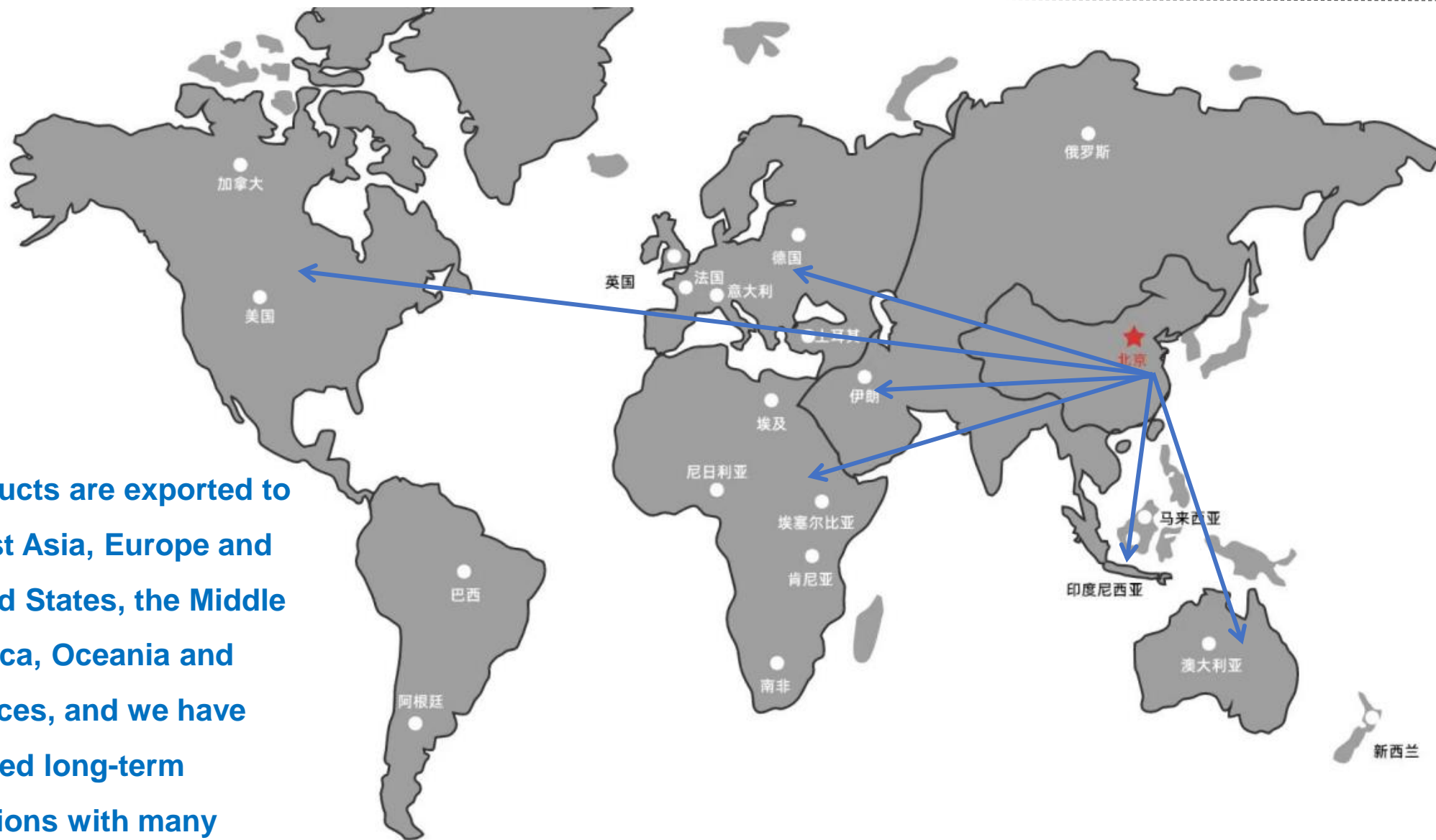
Execution & Communication



以人为本

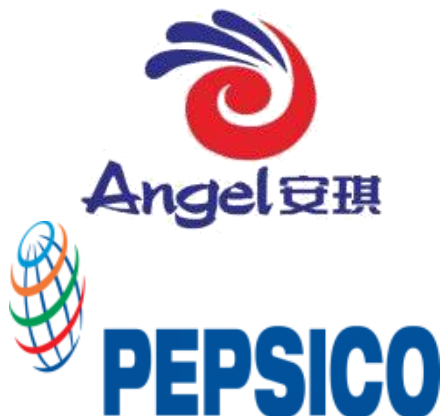
Reality & People

Global Sales Map



Our products are exported to Southeast Asia, Europe and the United States, the Middle East, Africa, Oceania and other places, and we have established long-term cooperations with many world famous brands.

Our Partners (Food)



Our Partners (Dairy)



MODERN FARMING
现代牧业



Our Partners (Beverage)

HEAKCAA 喜茶[®]

古茗[®]



蜜雪冰城

始于1997·冰淇淋与茶



书亦^{SHUYI}烧仙草



茶百道
ChaPanda



悸动烧仙草
JIDONG

Our Partners (Daily chemical industry)

郁美净®



L'ORÉAL
PARIS

yuwell 鱼跃
让科技律动生命



weber
SAINT-GOBAIN

HUAYI 华谊集团

ECOLAB®
艺康集团

ZD
振德



科迪华™
农业科技



SONOCO®



02



Equipment & Capacity

Shanghai Tuning Industrial Co. Ltd.

Equipment & Capacity

Film Blowing (3 sets)



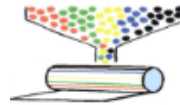
- 3&5 layers co-extrusion
- Automatic thickness measurement
- Automatic dosage
- Proprietary formulas

Printing (8 sets)



- Gravure printing
- Digital printing
- Offline coding
- Online coding

Extruding (2 sets)



- Extrusion

Laminating (13 sets)



- Solvent less
- Dry
- Wet
- Wax
- Extruding

Coating (4 sets)



- Heat seal glue
- Cold seal glue
- Hot melt
- Functional coating

Embossing (2 sets)



- Al
- Al & paper
- Al & plastic

Slitting & Cutting (16 sets)



- Paper
- Film
- Slice

In-Mold Cutting (5 sets)



- Atypical label
- Paper& Al lidding foil
- Paper lidding foil

Pouches Making (15 sets)



- 3-side sealing
- Back-side sealing
- Stand-up pouch
- 8-side ssealing

Equipment & Capacity

Type	Quantity	Annual capacity	Utilization rate
Printing	8 sets	576,000,000 meters	60%
Laminating	13 sets	920,000,000 meters	65%
Slitting & Cutting	16 sets	800,000,000 meters	60%
Coating	4 sets	288,000,000 meters	75%
Pouches Making	15 sets	420,000,000 pcs	50%



HP Indigo 25K Printing Machine



Printing Width	Color Group	Speed	Printing Thickness
746x1120 mm	7	Up to 42 m/min (EPM)	Film: 10 to 400 um Paper: 350 um



Advantages of Digital Printing

No plate cost

No cylinders are required, printing from the computer files directly, saving time and cost of cylinders making in conventional printing

Personalization

Digital printing can be flexibly personalized accordingly, each print and pattern can be different, more suitable for small batch printing orders and personalized customized requirements.

High-efficiency

Fast production and delivery of small orders compared to flexo/gravure printing.



Quick response

Personalized small orders, short printing cycle, low MOQ requirement. Support finished product sampling, new product developing; also suitable for urgent small orders with short lead time

High-quality

Utilizing HP Smart Stream Designer with high-precision electronic ink transfer technology, to achieve detailed images and accurate color reproduction to deliver high-quality prints.

Eco-friendly and sustainable

Imported environmental-friendly inks. low VOCs emissions reducing the impact on the environment, Food-grade inks ensure the safety and health of the fillings, and avoid waste gas and waste liquid treatment in conventional printing.

Applications of Digital Printing



Snacks
Packaging



Reusable sealing
bag



Stand-up pouch



Beverage
packaging



Lidding foil



Label



Laminated tube



Mask packaging

Quality Assurance Equipment

Gas chromatograph

Electronic tensile machine

WTR tester

OTR tester

Friction coefficient tester

Sealing machine

Densitometer

Constant temperature and humidity box

Microscopic camera

Scratch resistance tester, moisture tester, Bar Code Verifier

Solvent content test

Peeling, heat sealing, puncture strength

WTR

OTR

COF

Heat sealing curve and thermal

Viscosity

Optical density test

Aging test

Cross section analysis





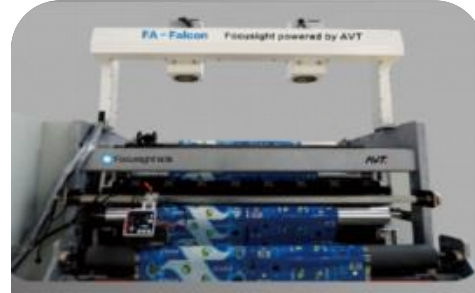
03



Management

Shanghai Tuning Industrial Co. Ltd.

Company Management



Before-printing

Qualified suppliers
Optimized Product Design
Branded Smart Equipment



In-Printing

SOP
Project Management
PDCA
Circular Economy



Post-printing

Three-waste compliance
Bi-carbon compliance
Biodegradable
Recyclable

Management System

BI, ERP, MES System



Solar system



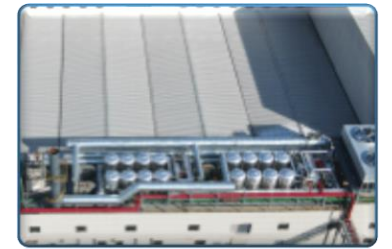
Efficient cold energy storage



Automatically ink mixing



VOCs System



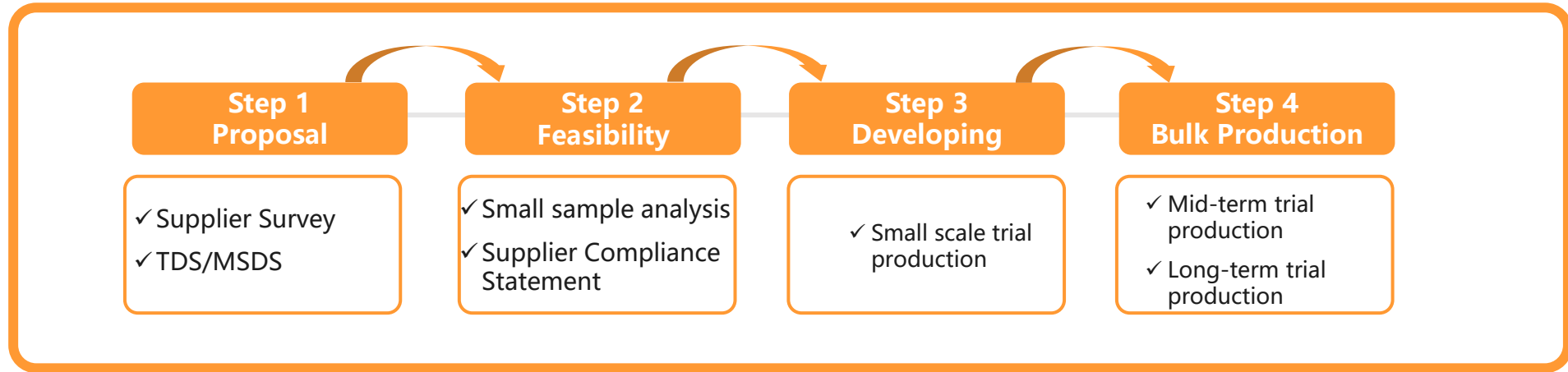
Intelligent logistics



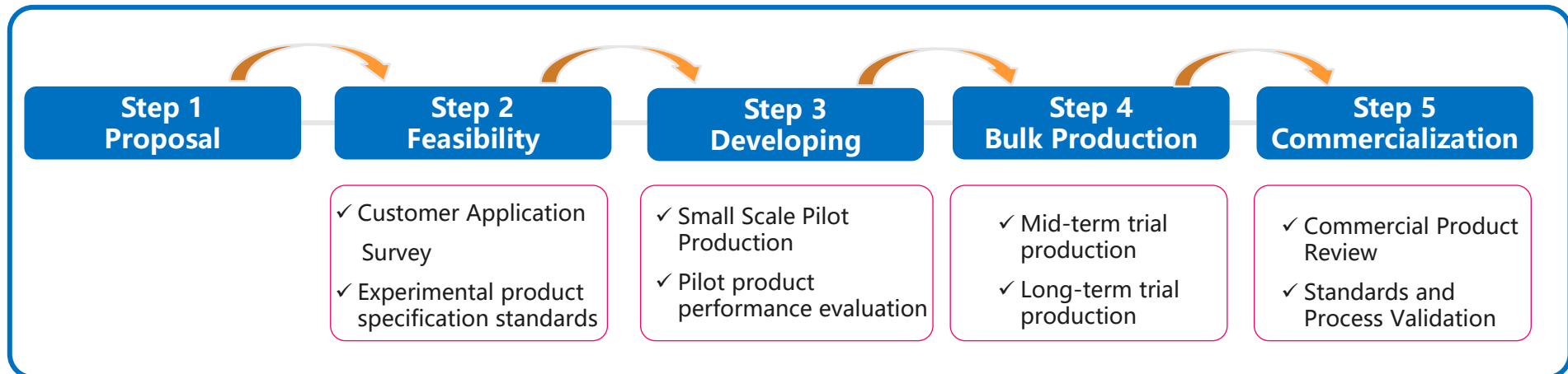
Green
Economic
High-efficient

QC System

1 Raw Material Review Process



2 New Products Developing Process



QC System

3

Changes Control System

- ✓ Changes in raw material
- ✓ Major changes in plant & equipment
- ✓ Major changes in technical process

Applicant

- ✓ Purchasing
- ✓ Equipment
- ✓ Producing
- ✓ Technical Engineer
- ✓ R&D Engineer

Customer
Dept. Manager

APPROVED

Submit and request review

- ✓ R&d manager
- ✓ Technical manager
- ✓ Purchasing manager
- ✓ QC manager
- ✓ EHS& Equipment Manager

The applicant will photocopy the documents and send it to the relevant department

Quality management (QA) personnel track results machine/plant

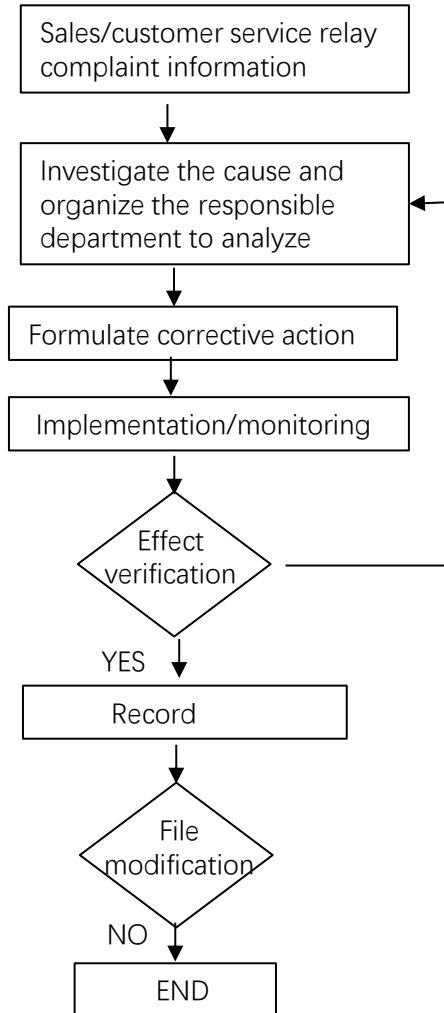
Complete the change application

Scan and save as a file

Continuous Quality Improvement

- Use "5Y" analysis method and fishbone diagram and other quality tools to investigate the cause of problems
- Carry out continuous quality improvement activities in accordance with the "PDCA" cycle.
- Principles of "three must" to supervise and monitor the improvement conditions.

Causes must be found
Responsible person must be trained
Preventive actions must be taken



异常日期	异常单号	客户	异常内容	现状调查			原因分析	纠正措施	完成时间	负责人	执行结果验证	确认人	培训、处罚情况
				数据调查	流程调查	现场调查							
20.08.03	200708044 200708043	德东伊利	\$ (复原乳-有GO11) (定位蜡)八连杯单果粒黄桃酸牛奶环标 719*157.2 (19-7版) \$ (复原乳-有GO11) (定位蜡)八连杯单果粒草莓酸牛奶环标 719*157.2 (19-7版) 下错版本, 实际需要20-6版	单号 200708044 产出 31166.6 m ² ; 单号 200708043 产出 31058.8 m ²	<MK06-B0 客服人员操作规定>、培训记录	1、有与上一任客服的交接记录; 但相关的培训记录未签字; 2、20-6版首次是6月10日下单生产, 后将19-7版停用; 3、7月客户初, 客户有订单, 客户可能知道该产品已出新版, 我此时不知有新版, 认为20-6版为新版, 客户要求备货旧版时, 我理解的旧版是19-7版, 客户认为的旧版应是20-6版; 4、7月8日, 客服通知技术反查BOM, 未与客服经理、销售确认; 4、7月22日, 拉单时, 客户紧急通知设计与法律法规冲突, 版本需要更新	人: 1、双方确认订单的内容简洁; 2、培训不到位	人: 1、尝试与客户沟通使用对照表中的我司品名下单, 下单用双方都明白的关键词确认, 不用新、旧版确认; 2、把客服下错单的案例拿出集中培训	20.08.10	吴小英	完成	顾春庆	已对责任部门人员考核、培训
							机: ---	机: ----					
							料: 客户订单的物料名称未体现版本号信息, 多版共存时, 不易区分	料: 制作客户、内部的品名对照表, 提供给客户	20.08.10	吴小英	已完成对照表	吴小英 顾春庆	
							法: ---	法: 新版发货时, 旧版销售与客户确认是否可报废; 技术部每季度梳理多版本共存的产品清单反馈给销售, 销售与客户沟通处理意见	1次/季度	崔长浩/销售经理	持续执行	侯雪 顾春庆	
							环: ---	环: ---					
							管理: 文件对停用的物料再启用无审批权限要求	管理: 优化文件内容, 再启用物料需填写审批表, 由销售经理、客服经理共同签字确认	20.08.10	吴小英	持续执行	侯雪 刘洪山	

Environmental Protection Investment (VOCs Recycling)

A total investment of 5,000,000 USD to build VOCs & RTO equipment, to recover recyclable waste gas, rectification treatment and back for production, to achieve circular economy; The waste gas that does not have recycling value is burned, and the waste heat is recovered into steam reuse, which can realize circular economy and energy saving and consumption reduction under the premise of meeting environmental compliance.



**Invest 5,000,000
USD**

- ★ Recovery of organic matter in waste gas > 95%
- ★ Emission concentration < 50mg/m³
- ★ Recover up to 3,000mt/y of solvent; RTO equipment can produce more than 2,000mt/y of steam
- ★ Make economic value of 1,850,000 USD/y



Low-carbon Investment (Solar System)



**Invest 900,000
USD**

- ★ Leater has installed 1800KW solar system in the new plant, with a design life of about 25 years and an annual power generation of about 2,350,000 degrees .
- ★ Environmental protection and energy saving , solar system does not produce any pollutants, help to reduce greenhouse gas emissions, improve environmental quality and slow down global warming, reduce carbon emissions of about 1,840mt per year.
- ★ Reducing the power load of the grid during the peak period, and relieve the power grid peak pressure.

Certifications



商品条码印刷资格
证书



江苏省信息化与工业化融合
试点企业证书

无锡市企业技术中心
认定证书

Patent Certifications



发明专利21项



实用新型94项



进出口食品包装企业
备案书

江苏省信息化与工业化融合
试点企业证书

商品条码印刷资格
证书





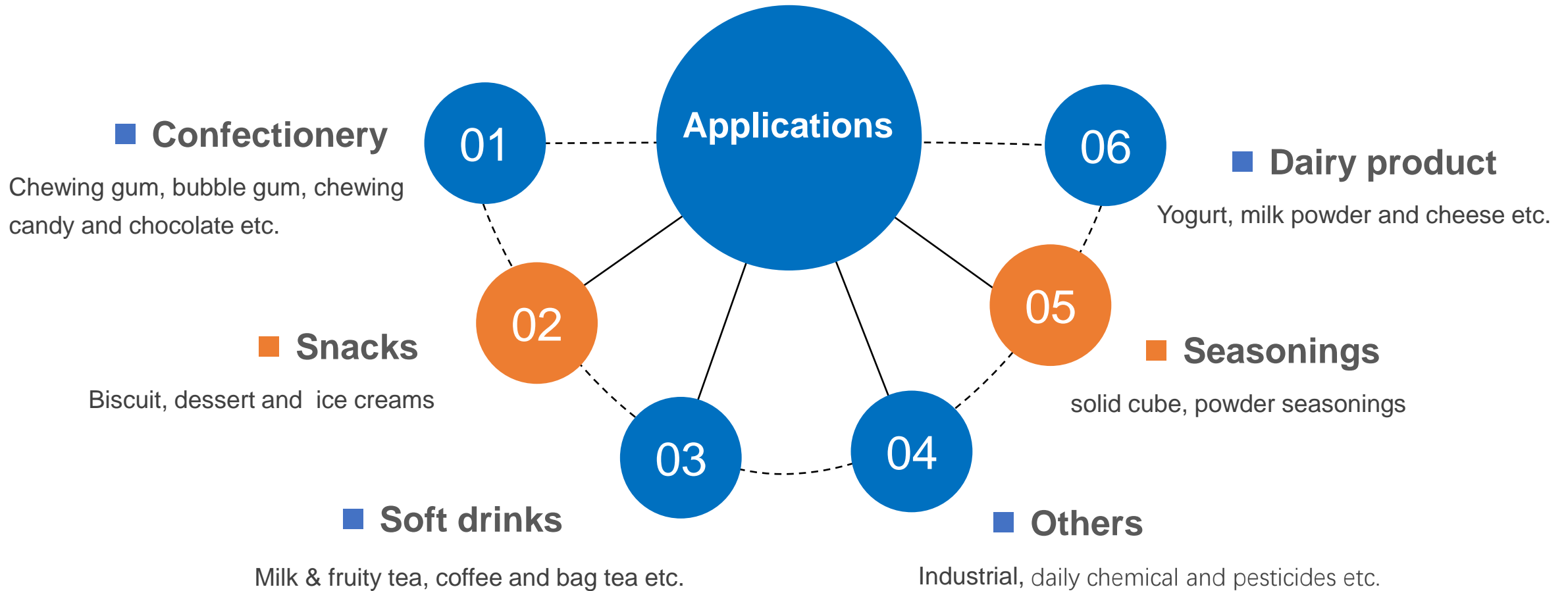
03



Product Info

Shanghai Tuning Industrial Co. Ltd.

Product Info



Product Info (Food)

Confectionary Packing



■ Product Type

Stick Candy

■ Packing machine

Automatic packing machine

■ Features

Excellent shape appearance
Aluminum foil excellent
perfuming performance
Excellent sealing performance

■ Typical spec

Hot melt/paper/AL
Hot melt/AL/paper
Paper
AL/paper
wax/paper/wax

Product Info (Food)

Chocolate Packing



■ Product Type

Food inner wrapper
(chewing gum、chocolate、
cigarette)

■ Packing machine

Embossing machine

■ Features

Can be patterned embossing
Good anti-stick and moisture-
proof
Safety & eco-friendly
Inner layer can be coated with
silicon, wax, etc.

■ Typical spec

AL
AL/ PAPER

Product Info (Food)

Diary Packing

■ Product Type

Label sticker
In mold label
Lidding foil

■ Features

Single polyolefin material, meeting recyclable packaging requirements
Not easy to fall off and be damaged during transportation
Wide heat sealing temperature range
Good Oxygen-proof and water-proof, can meet the high barrier requirements



■ Typical spec

Ink/paper/hot melt
OPP/ Ink/POPP
Ink/POPP
PET/AL/SPE,
PET/VMPET/SPE

Product Info (Food)

Ice cream Packing



■ Product Type

All kinds of light flexible
packaging

■ Features

Has certain barrier properties;
Double sided printing design
increases consumer interest;
High and low temperature
resistant functional coating,
meeting packaging and storage
requirements

■ Typical spec

BOPP/INK/VMCPP
INK/VMBOPP/ CPP

Product Info (Food)

Coffee Packing



■ Product Type

Four sides sealing bag
Back sealed organ bag
Eight sides sealing bag

■ Packing machine

Roll self-feeding machine
Premade bags filling
machine

■ Features

Sensitive to odors
Long term unidirectional
exhaust performance
High barrier
requirements

■ Typical spec

PET/AL/PE
PET/VMPET/PE
PET/AL/PET/PE

Product Info (Food)

Seasonings Packing



■ Techniques

Printing—laminating--slitting--
bag making--packing

■ Features

Single polyolefin material meets the requirements of recyclable packaging;
Combination of multiple materials with barrier properties;
Design of temperature difference structure between inner and outer layers to improve the appearance of edge sealing after bag making

■ Typical spec

BOPP/ink/VMBOPP/PE (CPP)

PE/VMBOPP/PE

Product Info (Cosmetics)

Cosmetics Packing



■ Fillings

cream

■ Techniques

Printing—laminating--slitting--
bag making--packing

■ Features

Special VMCPP to meet the requirements of high-speed packaging machine
The material has flexible structure, strong weather resistance and wide versatility

■ Typical spec

PET/AL/PE
PET/VMCPP

Product Info (Cosmetics)

Spout Pouch

■ Techniques

Printing—laminating--slitting--
bag making—adding spout--
packing

■ Features

3D display effect
Easy to carry and use
Ultra-high barrier property

■ Typical spec

PET/AL/NY/PE



Product Info (Cosmetics)

Shampoo Packing



■ Techniques

Printing—laminating--slitting--
bag making--packing

■ Features

Super tough, break resistant design

Ultra-high barrier property

Excellent anti-pollution and anti-static
properties

■ Typical spec

PET/AL/PE

PET/VMCPP

Product Info (Cosmetics)

Mask Packing



■ Product Type

Facial mask and auxiliary materials packaging

■ Features

Have various structures as required
Can realize additional processes such as inkjet coding, hot stamping and fluorescence
Various bag types such as special-shaped, dry and wet separation
Good at preserving fragrance, blocking light and heat insulation on the contents

■ Typical spec

BOPP/AL/PET/PE
BOPP/PAPER/AL/PE
BOPP/VMBOPP/PE
PE/VMBOPP/PE

Product Info (Daily Use)

Washing Powder Packing



■ Product Type

All kinds of detergent packing

■ Features

Super tough, break resistant Design
Heavy fillings but low bag-broken rate
Excellent anti-pollution and anti-static properties

■ Typical spec

PA/PE

PET/PE

Q&A

Shanghai Tuming Industrial Co. Ltd.

Contact: sales@leaterpack.com

THANK YOU!

Shanghai Tuming Industrial Co. Ltd.

Leater Shanghai Branch