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# 畅行绿色 环保包装

## GO GREEN WITH ECO PACKAGING



诚德科技股份有限公司  
CHENGDE TECHNOLOGY CO.,LTD  
Ingenuity, Inheritance, Fast, Innovative, Sustainable



# 一群人，一个目标 一起做有意义的事业

A group of people, one goal  
Doing meaningful cause together


诚德科技股份有限公司，  
专注软包装25年，  
秉承“匠人”精神和“提供更具价值的包装产品和服务”的初心  
坚持传承、创新、助力塑料包装可持续发展。

Chengde Technology Co., Ltd.  
Focus on flexible packaging since 1999  
Adhering to the spirit of "craftsman"  
Remain our original aspiration "provide more valuable packaging products and services",  
Insist on inheritance and innovation, committed to the sustainable development of packaging.

在可持续环保包装领域里  
我们以卓越的有竞争力的产品  
革新的环保生产解决方案  
以及和行业巨头密切的合作伙伴关系为基础  
为客户提供更具价值的包装产品和服务

In the sustainable eco-friendly packaging area,  
We have excellent competitive products and solutions  
And based on close partnerships with industry magnates,  
We're providing customers with more valuable packaging products and services.





# 诚德坚持梦想不断发展 全新厂区为您提供更全面的服务

Chengde adhere to the dream keep continuous developing  
New plant to provide you with more comprehensive services

## 中国最具竞争力软包装企业 - 诚德科技股份有限公司

THE MOST COMPETITIVE FLEXIBLE PACKAGING ENTERPRISE- CHENGDE TECHNOLOGY CO., LTD

诚德科技股份有限公司是一家专业为食品、药品、日化产品生产创新塑料软包装材料的国家高新技术企业，并参与国家和行业标准起草制定

Chengde Technology Co., Ltd. is a National High-tech enterprise specialized in the production of innovative plastic flexible packaging materials for food, medicine and daily chemical products, and participated in the drafting and formulation of National and Industrial Standards



# HISTORY

## 从这里开始 了解我们...

Starting to know us  
from here.....

COMPANY GROWTH

诚德成长之路

1999



王道德先生，资深的印刷工程师  
创立苍南县华联复合彩印厂  
Mr. Wang Daode, an experienced  
printing engineer, established  
Cangnan Hualian Printing Factory.

2003



自建第一代厂房，公司更名  
为温州诚德包装有限公司  
First self-own plant at Hedigao  
the company was renamed as  
Wenzhou Chengde Package Co., LTD

2007



更名为浙江诚德包装有限公司  
Company renamed as Zhejiang  
Chengde Package Co., Ltd  
获得进出口许可证，海关、  
商检食品包装备案  
Obtained the Import & Export  
License and customs, commodity  
inspection food packaging record  
in the same year.

2008



搬迁至第二代工厂  
Move to new plant at Yanhu Road  
投产3层PE共挤膜生产线  
Put into production for 3-layer  
PE co-extrusion film.

2012



投资建设“GMP”药包生产车间  
Invested in the construction  
of "GMP" workshop

获得药包材生产许可证  
Obtained the drug packaging  
material production licenses

2015



公司股票登陆“新三板”交易  
(诚德股份: 835028)

Company shares listed on the  
"New Third Board" trading  
(Chengde shares: 835028)

2019



世纪大道全新的厂房  
更大,更专业  
Brand-new plant at Shiji Ave.  
larger, more professional

发布2项团体标准---  
《聚酰胺/聚乙烯复合液体包装膜、袋》  
《自立式自封袋》  
Issued two industry standards ---  
"Polyamide/Polyethylene Composite  
Liquid Packaging Film and Bag"  
"Self-standing Zip-lock bag"

2022



占地198.6亩第二厂区已建成厂房面积7万平方  
米的一期工程投入使用，专业生产“单一  
材质可回收包装材料”

The second factory covers an area of 1.32 km².  
The first phase of it covering workshop area 70,000 m²  
was put into use for "Mono-PE recyclable Packaging".

...

COMPANY DEVELOPMENT

诚德发展之路

2006



接访CCTV质量万里行记  
者-“食品包装质量安全”  
Interviewed by CCTV  
Quality Reporter on topic  
"Food Packaging Quality  
and Safety"

2010



通过世界500强企业沃尔  
玛、亨氏等第三方验厂  
Passed the factory  
inspection of World's  
Top 500 companies  
Wal-Mart and Heinz for  
the first time.

2011



获国家“高新技术企业”称号  
Recognized as "National  
High-tech Enterprise"

2015



获中国包装印刷质量评比银奖  
Won the Silver Award for China  
Packaging and Printing Quality  
Competition  
年工业产值首超3亿元  
Annual industrial output  
exceeded 300 million RMB  
for the first time

2017



获“中国包装百强企业”  
“中国塑料包装30强企业”  
Awarded "China's Top 100  
Packaging Enterprises",  
"China's Top 30 plastic  
packaging Enterprises"

2018



获“省级高新技术企业研究  
开发中心”  
Awarded as Provincial  
High-tech Enterprise Research  
and Development Center

2020



被认定为浙江省诚德科技新型复合软包装材料研究院  
Recognized as Zhejiang Chengde Technology New  
Composite Flexible Packaging Material Research Institute  
“2020年中国印刷业创新十强”，“包装行业优秀奖”  
Awarded as "2020 China's Top 10 Printing Industry  
Innovation" and "Packaging Industry Excellence Award"

2022



设立“中国功能性聚乙烯软包装研发中心(温州)”  
Set up "China Functional Polyethylene Flexible  
Packaging Research and Development  
Center (Wenzhou)"  
单一聚乙烯包装获“双易标准认证证书”  
Mono-PE packaging was certified as  
"DOUBLE E PACKAGING"  
(Easy-to-recycle, Easy-to-regenerate)

...



## 我们始终开拓进取精神

We Always Keep Pioneering and Enterprising

领先的技术研发，是产品创新的保障。  
Leading technology R&D is the guarantee of product innovation.

94 项专利  
More Patents are under processing

至今拥有94 项专利（其中 12 项发明专利）  
持续增加中

We have total 94 patents (including 12 invention patents )  
More patents are under processing

完善的质量管理体系，是产品品质稳定的保障。  
Sound Quality Management System is the guarantee of stable product quality.

公司严格按照HACCP管控要求规范生产，并先后通过ISO9001、ISO14001  
ISO22000、ISO13485，国际公认的食品规BRCGS，色彩管理GMI等认证。  
通过体系认证，规范我们的生产管理，做到标准化生产作业确保产品品质  
稳定有保障。

We strictly follows the HACCP management requirements during  
our production, and has passed ISO9001, ISO14001, ISO22000, ISO13485  
BRCGS, GMI, etc. certification. Through the system certification, standardize  
our production operations, to ensure the stability of product quality.







# Production

全封闭U型闭环洁净  
生产车间

# Environment

Fully enclosed U-type GMP production workshop

先进的生产设备是  
创新研发成果得以量产的基础

Advanced production equipment is the basis of mass  
production of innovative research and development achievements



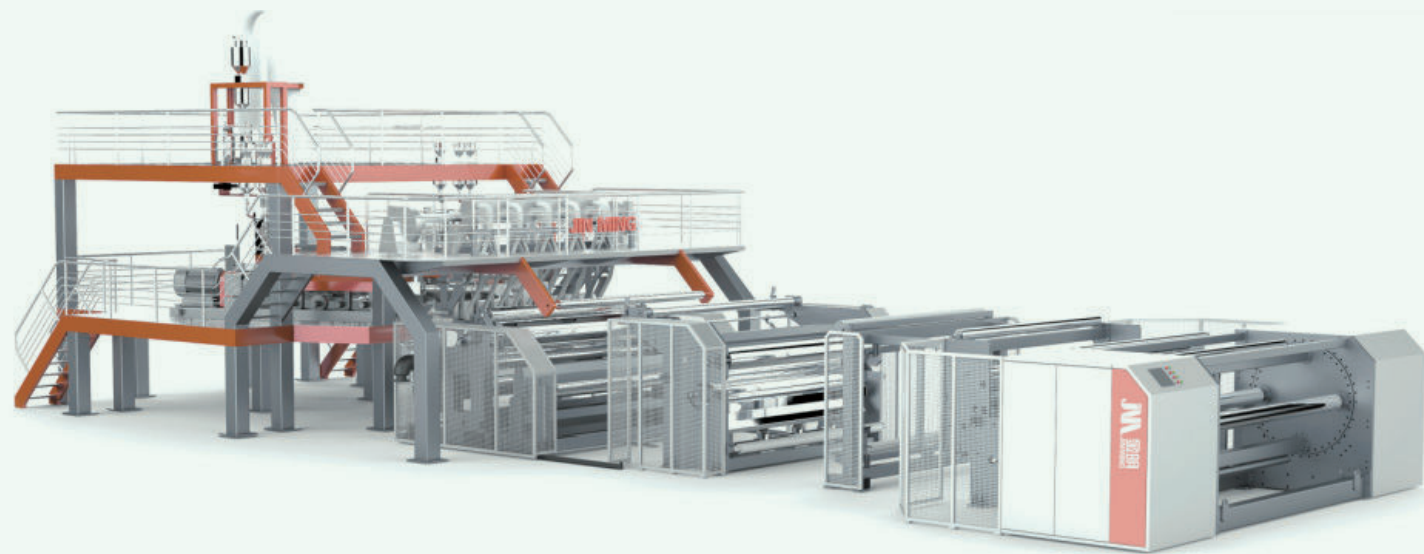
## 4台5层PE共挤膜吹膜机，1台PE流延机。

4 5-layer PE co-extrusion film blowing machines (Reifenhauscher) 1 PE casting machine.



(Reifenhäuser)

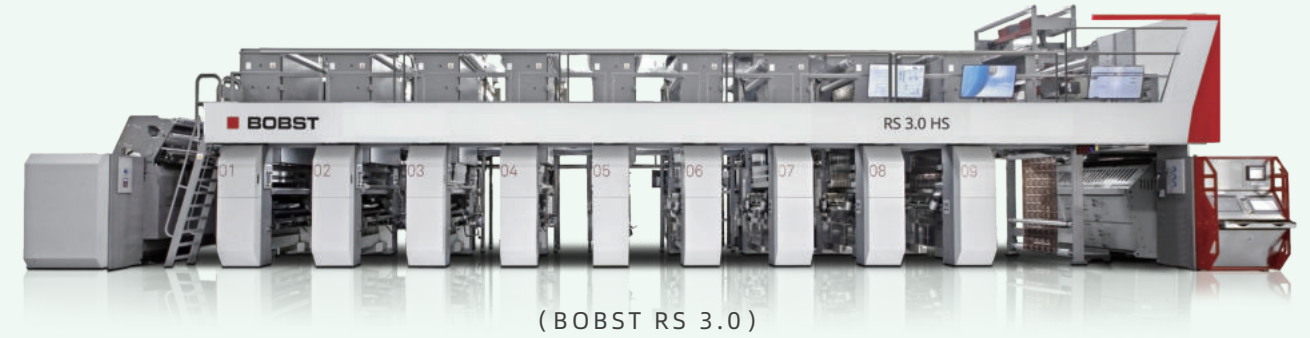
## PE raw material production



## 25项专利配方满足不同内容物包装需求

25 patented formulations to meet the packaging needs of different contents

## PRINTING 印刷



## 6条博斯特自动高速印刷生产线

6 automatic high-speed BOBST printing lines



## GMI色彩管理认证 GMI certified





## // LAMINATION 复合



挤出复合Extrusion Lamination  
HUI LONG



干复 Dry Lamination  
BOBST NOVA DA 800

9台复合生产线  
挤出复合,无溶剂复合,干复  
9 lamination lines



无溶剂复合Solvent-free Lamination  
NORDMECCANICA

每条生产线配备自动在线检测系统  
可以准确在线检测出异物缺陷  
确保产品安全稳定

Each line equipped with automatic online detection system  
which can accurately detect foreign matter  
to ensure product safety and stability.

## // BAG FORMING 制袋



56 台高速制袋机  
56 advanced bag-forming lines



满足不同袋型需求  
Multiple shapes pouch







原材料检测  
RM inspection



印刷  
Printing Inspection



复合  
Lamination Inspection



熟化  
Curing Inspection



分切  
Slitting Inspection



制袋  
Bag Forming Inspection

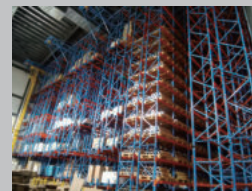
## 生产过程检验

In Process Quality Control

严品控，可追溯 | 精品包装，从源头开始

Strict Quality Control, Traceable | Excellent Packaging, Starting From The Source

# Quality Control



入库  
Storage



打包  
Packing



成品质检  
Finished product inspection

厚度Thickness 挺度Stiffness 白度Whiteness 塑化剂Plasticizer

透湿透氧OTR, WTR 荧光剂Fluorescer 强度Tensile strength

剥离强度Bond strength 透明度Transparency 耐压Pressure resistance

耐跌落Drop Resistance 微生物Microorganism 油墨耐晒Ink light-fast

摩擦系数Friction coefficient 热封曲线Heat seal curve 色差Chromatic Aberration

耐穿刺Puncture resistance 老化测试Packaging aging 热合强度Sealing strength

溶剂残留Solvent residue 高温蒸煮High-temperature retort 光泽度Blackout

油墨牢固度Printing ink firmness 运输模拟Transportation simulation



健全的质量检测系统，是产品安全的保障

A Sound Quality Inspection System Is The Guarantee of Product Safety.



# PRPODUT - MDOPE film

## MDOPE, 塑料软包装实现可回收可持续发展的基础

MDOPE- The Base of Recyclable Sustainable Development of Plastic Flexible Packaging

### 01 MDOPE薄膜生产 MDOPE Production

厚度 Thickness	18um, 25um, 35um
OTR	$\leq 1500 \text{ cm}^3 / (\text{m}^2 \cdot 24\text{h}, 0.1\text{Mpa})$
WVTR	$\leq 50 \text{ g} / (\text{m}^2 \cdot 24\text{h})$

### MOPE 阻隔性问题 我们的解决方案

Our Solutions to Barrier of MDOPE

### 02 在线涂布(印刷/复合) Coating online

OTR	$\leq 5.0 \text{ cm}^3 / (\text{m}^2 \cdot 24\text{h}, 0.1\text{Mpa})$
WVTR	$\leq 10 \text{ g} / (\text{m}^2 \cdot 24\text{h})$



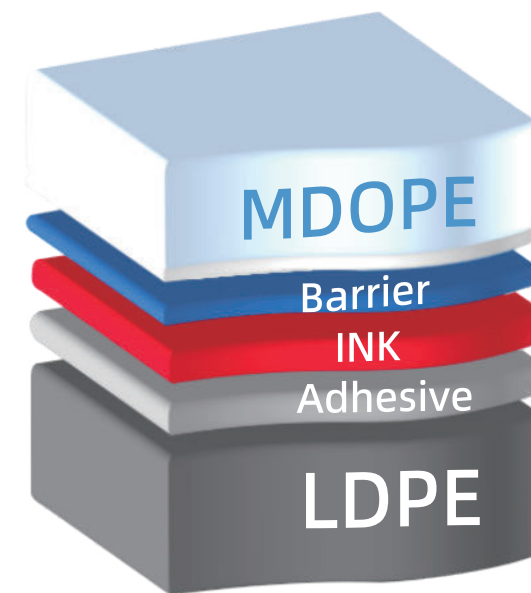
### 03 涂布PVA PVA Coating

OTR	$\leq 1.0 \text{ cm}^3 / (\text{m}^2 \cdot 24\text{h}, 0.1\text{Mpa})$
WVTR	$\leq 3.0 \text{ g} / (\text{m}^2 \cdot 24\text{h})$



### 04 蒸镀氧化铝Alox Alox evaporation

OTR	$\leq 1.0 \text{ cm}^3 / (\text{m}^2 \cdot 24\text{h}, 0.1\text{Mpa})$
WVTR	$\leq 1.0 \text{ g} / (\text{m}^2 \cdot 24\text{h})$



### HMDOPE/PE 可替代大部分非铝箔传统包装材料

Mono-PE material ( HMDOPE/PE)  
replace most non-aluminum  
conventional packaging materials

# MDOPE





# DIGITAL PACKAGING

Make You Be Flexible To Address New Go-To-Market Opportunities!

**数字包装,让您灵活应对新的市场机遇!**



**从设计到成品, 仅需3天**

From Design to Complete Packaging,  
Only Need 3 Days



**独一无二的包装  
带给你的用户全新的消费体验**

Unique Packaging, Bring Your Users A Brand New Consumption Experience





# PRODUCT- PLASTIC PACKAGING



## 应用行业

Application markets



Coffee&Tea



Snacks



Bakery Products



Family Food



Condiments



PET Food



Personal and home Care Product



Agriculture Products



Pharmaceuticd packaging



Others

view more >>

## 可回收

自产MDOPE,单一聚乙烯可回收包装具有原材料供应优势

## Recyclable

Self-produced MDOPE, has obvious supply advantages of raw material for Mono-PE recyclable material



双易认证

Double E Certified  
(Easy-to-recycle, Easy-to- regenerate)



## 高阻隔

配套高阻隔涂布生产线  
从原材料端解决产品包装阻隔问题

## High Barrier

Equipped with high barrier coating lines,  
Guarantee packaging high barrier from raw material.

## 灵活定制

数字印刷和高速凹版印刷  
结合可灵活按需定制包装

## Flexible customization

Combine digital printing with rotogravure printing,  
make it flexible to customize the packaging demanded





## PRODUCT- PAPER PACKAGING



包装可持续发展趋势下，作为环境友好的纸包装受到更多消费者和品牌商的青睐。诚德结合自身软包装优势，高新生产设备和纸包装生产技术，为客户打造一站式包装解决方案。

Under the trend of sustainable development, as an eco-friendly packaging- paper packaging, it is favored by more consumers and brands. Chengde combines its advantages of flexible packaging , high-tech production equipment and paper packaging production technology, is providing one-stop packaging solutions.



## 可持续

纸包装 可回收 可降解 绿色 环保

### Sustainable

Paper packaging is recyclable , biodegradable, green and eco-friendly;



## 高阻隔-防油-防水

结合PLA PVA 等环保高阻隔材料,纸包装可实现高阻隔,防油, 防水功能

### High barrier and oil-proof

with PLA, PVA and other biodegradable high-barrier materials, it can be degradable, oil-proof and high barrier at the same time



## Distribution of sales market

## Omni-channel multi-level sales system



## Global customers continue to expand

cooperative partner 500+

