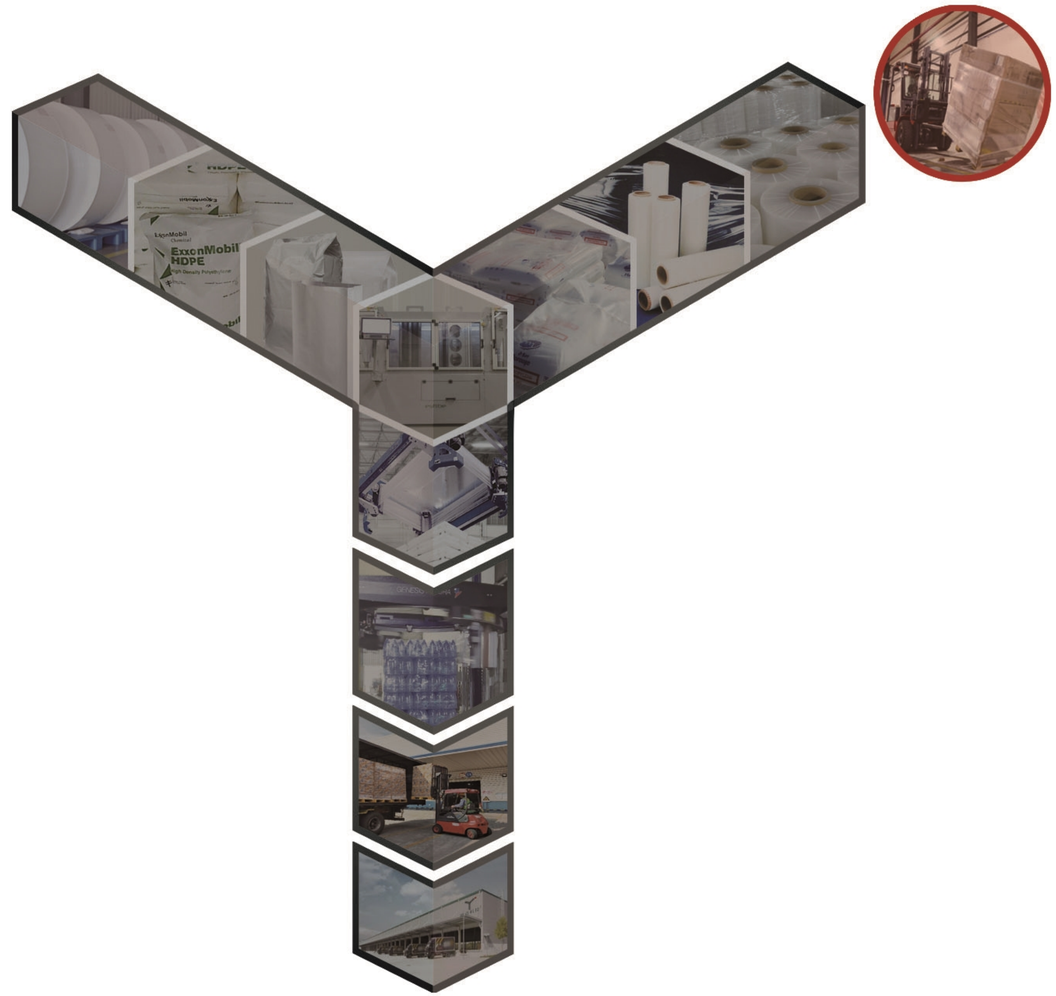


源点科技

YUANDIAN TECHNOLOGY

科学储运包装

FFS重包膜、袋｜高阻隔重包袋｜55层纳米缠绕膜｜冷拉伸套膜

黄山源点新材料科技有限公司

HUANGSHAN YUANDIAN NEW MATERIAL SCIENCE AND TECHNOLOGY CO.,LTD

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Email：huangliang@yongjiachina.com
Web：www.hsydtech.com

科学储运包装 更快更稳更省

Intelligent Creation for Transport Packaging

FFS重载膜、袋

高阻隔重包袋

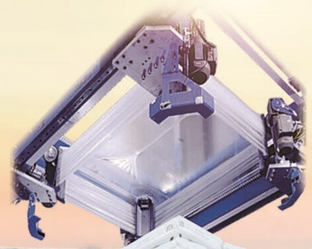
超薄力学缠绕膜

冷拉伸套膜









源点科技

YUANDIAN TECHNOLOGY

厚积薄发，智造升级

从FFS到纳米缠绕膜，科学减薄降本

源点科技为您量身定制的储运解决方案。



黄山源点新材料科技有限公司成立于2017年10月，由黄山永佳（集团）股份有限公司、安徽神剑新材料股份有限公司和黄山世茂企业管理有限公司三家企业合资成立。公司引进德国Windmöller & Hölscher工业包装生产线及技术，并自建国际领先的储运安全实验室，为国内外广大客户提供高性能FFS包装、高阻隔重包袋、纳米缠绕膜、冷拉伸套膜产品及其最优解决方案。

Huangshan Yuandian New Material Science and Technology Co.,Ltd was established in October 2017，invested by Huangshan Yongjia Group.The company has imported a complete set of Windmöller & Hölscher industrial packaging production line,and establish a leading international load safety laboratory to provide high performance FFS packaging、Excellent Barrier Heavy Duty Bag Nano stretch film、stretch hood films and optimal solutions.

规范管理-中质协三体系认证

3 ISO certification







知识产权-已申报并获受理实用新型专利6件

6 New patent has been declared and accepted



目录
CONTENTS



科学
TECHNOLOGY

储
LOADING/STORAGE

运
TRANSPORTATION

包装
PACKAGING

核心优势 03

更快更稳更省 05

FFS重包装膜、袋 07

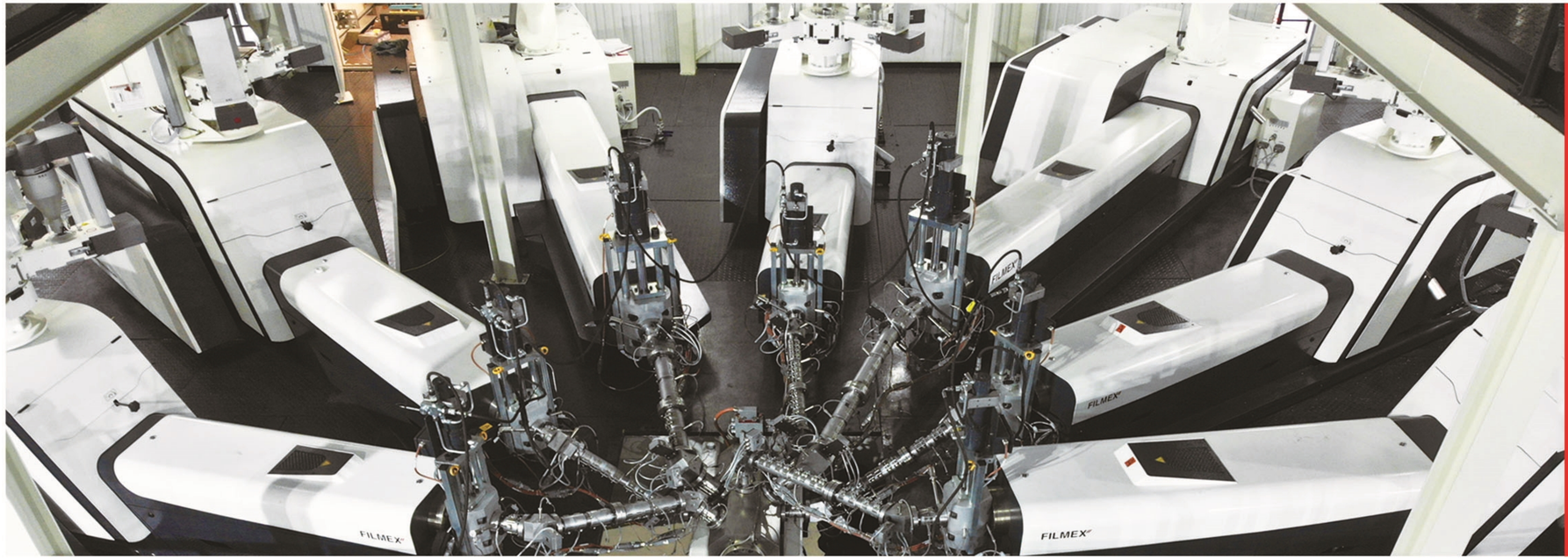
铝塑复合重包袋 09

55层纳米缠绕膜 11
高性能机用膜、超薄手用缠绕膜

冷拉伸套膜 15

场景、方案 17

合作方、资源整合 19



企业愿景
CORPORATE VISION

成为世界一流的工业包装及解决方案供应商
To be a world class packaging industries

使命
MISSION

科学储运包装 更快更稳更省
Intelligent creation for transport packaging

价值观
VALUE

实诚　实干　实在　实效

源点科技依托人才、技术、设备优势，整合产业链资源。专注高性能储运包装的研发、生产，助力工业制造业智能智造转型。

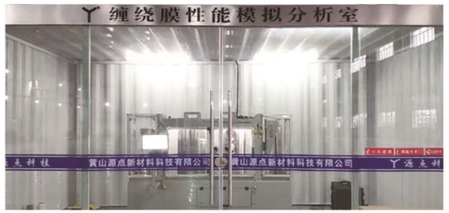
Yuandian own the advantage of talents, technology and equipment to integrate industrial chain resource. Focusing on development and production for transport packaging to help transform of intelligent manufacturing.

核心优势
CORE STRENGTH



01 PEOPLE 人才优势

核心团队全部来自于具有超过25年高性能塑料包装生产、制造经验的塑料包装龙头企业-永佳集团；
Core members has 25 year’s experience of making plastic packaging.



02 TECHNOLOGY 技术优势

共享国家认定企业技术中心并自建储运安全实验室；拥有20年以上W&H、莱芬豪舍国际一流塑膜加工设备运维经验；
Sharing the state authorized technology centers and establish load safety laboratories;Has 20 years of experience with W&H Germany machine operation.



03 EQUIPMENT 设备优势

公司全套引进欧洲储运包装设备与技术；
Invested and fully imported Europe technology machinery.



04 R&D 研发优势

与中石油、埃克森美孚、陶氏、三井建立深度合作，共同开发高性能材料。
Cooperation with Petro China、Exxon Mobil、Dow chemical and Mitsui to develop high performance materials.

生产中心
顶尖进口设备

PRODUCTION CENTER
TOP IMPORTED EQUIPMENT

FILMEX II 在全球市场上具有最高的生产效率和始终如一的薄膜质量

OPTIMEX是优化的生产线，适用于三层 FFS 重型包装，保证了优异的薄膜质量和很高的生产能力

CONVERPRINT在一个加工过程中就完成了对压平的筒膜进行印刷，打孔，压花及折边等工序

FPT-750是来自ESTL的高性能检测设备，能够模拟缠绕膜在动态使用过程中的极限拉伸、穿刺、粘性等检测项目

FILMEX II has highest production efficiency and consistent film quality in the global market

OPTIMEX is optimized for three-layer FFS packaging, ensuring excellent film quality and high production capacity

CONVERPRINT completes the process of printing, punching, embossing and folding of the flattened cylinder film in a single process

FPT-750 is a high performance testing equipment by ESTL, which can simulate the ultimate stretching, puncture,cling and other testing items of stretch film in the process of dynamic use



FFS重包吹膜线
W&H OPTIMEX



FFS重包印刷线
W&H CONVERPRINT



55层纳米缠绕膜生产线
FILMEX II

Windmöller & Hölscher



冷拉伸套膜生产线
STRETCH HOOD



先进检测设备
FILM PROPERTY TESTER BY ESTL

FFS重包膜、袋

3层共挤，100%优质薄膜，应用广泛

行业定义10KG-50KG的包装范畴为重包装。目前，国内工业领域以覆膜编织袋、纸塑复合袋、纸袋的传统形式由于其包装固有的局限性，已不能满足现代包装要求，应用范围会越来越小，FFS重包装将取代传统包装成为重包装领域的主流产品。

FFS PACKAGING FILM & BAG

3 layer co-extrusion, 100% high quality film, widely used

10-50Kg bag packaging defines as heavy duty packaging in packaging field.At present, the domestic industrial field in the traditional form of laminating woven bags, paper-plastic composite bags, paper bags, has been unable to meet the requirements of modern packaging, the scope of application will be smaller and smaller, FFS heavy packaging will become the mainstream products in the field of heavy packaging.





5 ADVANTAGE 大优势

与传统塑编、纸塑重包装相比：
1）能承受70-80度高温灌装和数次搬运；
2）密封、防潮、防污染性能优越；
3）效率提升 3-5倍，人工成本下降；
4）便于回收，绿色、环保；
5）袋面印刷精度高、平整、光洁、美观。

Compare with plastic woven bag and paper plastic composite bag:
1) Can withstand 70-80 °C high temperature filling and several handling.
2) Better sealing, moistureproof and pollution prevention.
3) Improve efficiency 3-5 times and reduce labor cost.
4) Easy to recycle, green and environmental protection.
5) High precision printing, smooth and beautiful finishing on bag.

FFS包装包括三个环节
FFS PACKAGING

Form 截底成型

Fill 自动灌装

Seal 袋口封合

规格 SPECIFICATIONS

厚度 Thickness（μm）	110 - 250
宽度 Width（mm）	260 - 650
袋长 Bag length（mm）	400 - 900
插边深度 Gusset depth（mm）	45 - 110





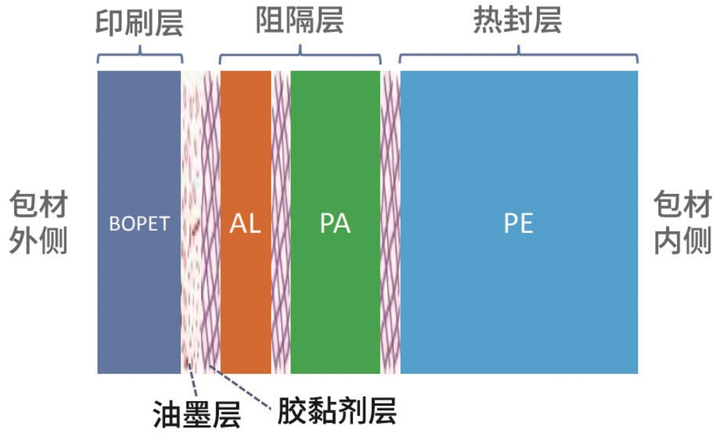


铝塑复合重包袋

满足您要求的高阻隔铝塑袋

ALUMINUM PLASTIC LAMINATION BAG

Excellent barrier aluminum-plastic bag to meet your requirements



复合膜：由三到四层或多层用粘合剂或淋膜方法贴合在一起形成复合膜。

第一层：表面层可以在一定温度及一定范围内保证包装袋的强度与抗穿刺性。

第二层：铝箔，阻隔层。主要作用是防潮阻氧避光。

第三层：最里面是热封层。

Composition: Construction of 3 to 4 piles laminated together using adhesives or extusion coating.Each layer serves a vital purpose.

Layer-1: An outer layer of polyethylene,which gives material mechanical strength at a wide range of temperatures.

Layer-2: Aluminum Foil is the barrier against water vapor transmission and aggressive greases.

Layer-3: An inner layer of low density polyethylene making the laminate capable of being heat sealed with out degradation to the outer layer of polyester.



液体袋 LIQUID BAG

袋型展示
PRODUCT TYPE



25kg铝塑复合重包袋



25kg铝塑复合重包袋（PE-B）



铝箔吨袋

3 FUNCTION 大作用

保护功能
- 防污染、防细菌
- 阻光、阻隔氧气、水汽

具有展示功能
- 客户与消费者的沟通界面

其他功能
- 单元化方便储运、商业流通、使用



普通铝塑三边封袋



铝塑复合八边封袋

PROTECTION FUNCTION
- Prevent pollution and bacteria
- Block light, block oxygen, water vapor

DISPLAY FUNCTION
- Customer - consumer interface

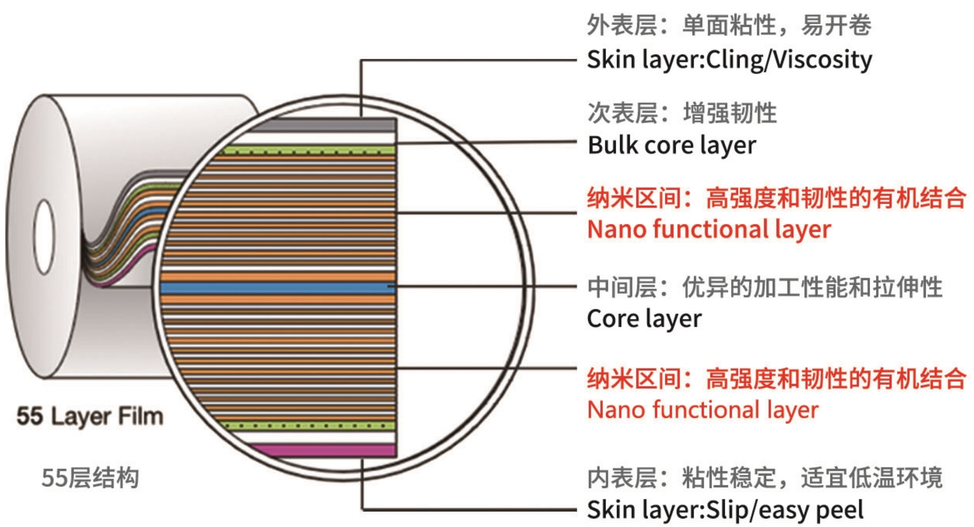
OTHER FUNCTIONS
- Unitalization is convenient for storage and transportation, commercial circulation and use

55层纳米缠绕膜

纳米层技术的高性能、节能型流延膜

55-LAYER NANO STRETCH FILM

Nano - layer technology of high performance, energy - saving cast film



55层结构



3 ADVANTAGE 大优势

节约时间、成本

1.具有高弹性、高粘性及强韧性，减少约50%的成本。

2.运用高转速包装负载，减少时间，提高效率。

稳定型，适应低温环境

1.具有良好的透明度和光泽度。

2.在抗穿刺和抗撕裂方面表现更稳定。

3.在低温环境（零下20度）依然保持性能。

环保&用户友好

1.运用少量的膜完成包装任务，减少大量资源浪费。

Efficiency and cost saving

1.It has high elasticity, high stickiness,toughness, reduces the cost by 50%

2.Use high-speed packaging load to reduce time and improve efficiency.

Stability, suitable for low temperature environment

1.Good transparency and gloss

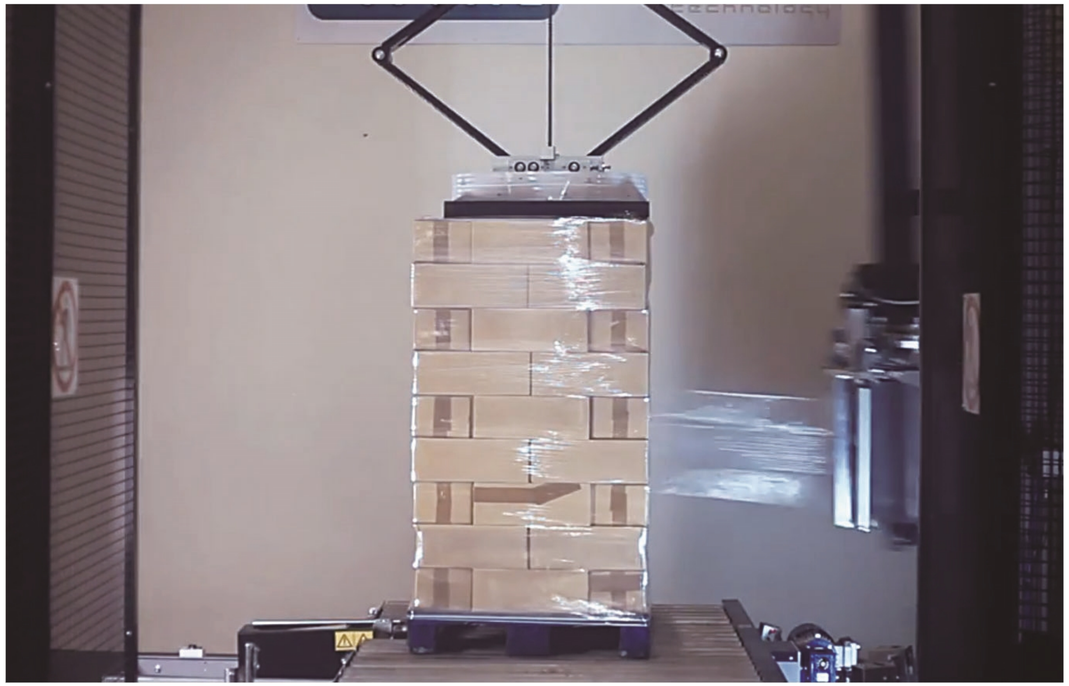
2.Strong puncture resistance and tear resistance

3.Maintain performance at low temperatures (-20 degrees)

Environmental & User-Friendly

1.Use a small amount of film to complete the packaging task, and reduce a large of waste resources





产品系列

您肯定能找到您要寻找的缠绕膜

PRODUCT SERIES

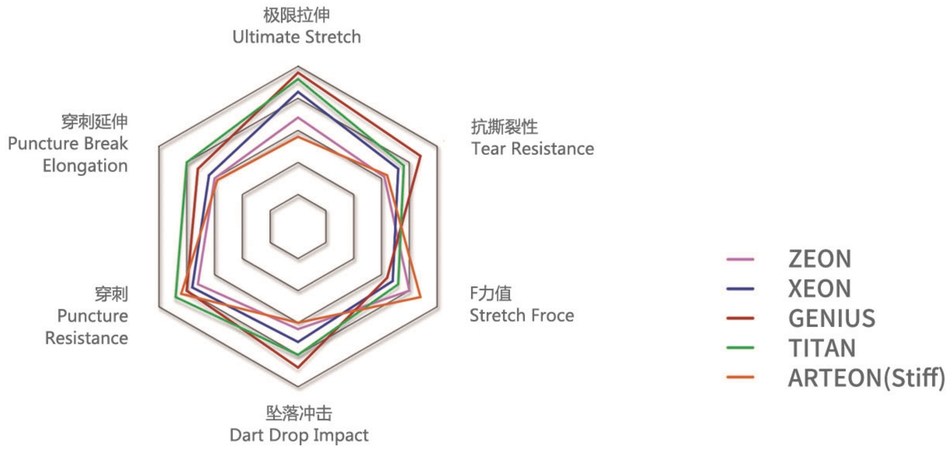
You are surely find the film you are looking for



抗静电缠绕膜 Antistatic film | 高性能机用缠绕膜 High performance machine film | 超薄手用缠绕膜 Ultra thin hand film | 手榴弹膜 Bundle wrap film | 打孔膜 Punch hole film

常规机用缠绕膜规格型号 MACHINE FILM SPECIFICATION

型号（配方） Film Grade	厚 度 Thickness (μm)	极限拉伸率 Ultimate Stretch (%)	最佳拉伸率 Optimal Stretch (%)
Genius （D）	15	400	280 ~ 300
	12	350	250 ~ 280
Titan （K）	15	350	250 ~ 280
	12	320	240 ~ 260
Xeon （C）	20	350	280 ~ 300
	17	320	260 ~ 280
	15	300	230 ~ 250
Zeon （B）	23	300	250 ~ 270
	20	270	230 ~ 250
	17	250	200 ~ 230
Arteon （E）	12	180	130 ~ 150
	10	150	100 ~ 120



本原超薄手用缠绕膜

HIGH END STIFF FILM

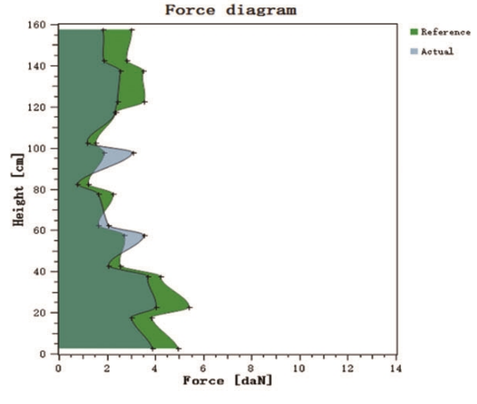


极致纤薄 | 裹紧出色 | 成本优势 | 使用方便

常规手用缠绕膜规格型号 MANUAL FILM SPECIFICATION

型号（配方） Film Grade	厚 度 Thickness (μm)	极限拉伸率 Ultimate Stretch (%)	最佳拉伸率 Optimal Stretch (%)
High end Stiff Film （F）	12	150	50% to 70%
	10	120	
	8	100	
Standard （A）	23	300	250
	20	270	230
	17	250	200
	15	250	200

VS PALLET TEST WITH WRAPPING 裹紧力测试



Reference：源点12um Yuandian12μm
Actual：国内某品牌 15um Local 15μm

（托盘货物为5层PET瓶装矿泉水）

托盘从低到高的裹紧力测量显示：源点12μm的底部等多方面裹紧力方面优于某款国内15μm缠绕膜

客户使用每托盘消耗缠绕膜量减少，裹紧力提高

(Simulation with 5 layer PET Bottle pallet)

Pallet test with wrapping machine:Yuandian 12μm is better than other of the Local 15μm film in many respects.

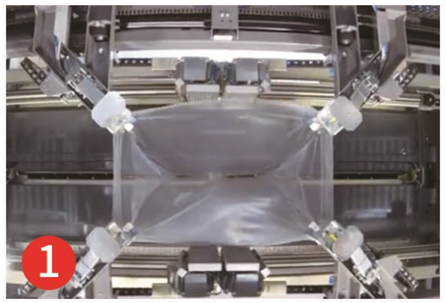
Help customer to reduce total consumption of stretch film and optimize the pallet holding force.

冷拉伸套膜

安全可靠的物流运输

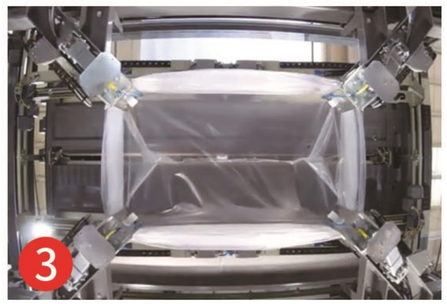
STRETCH HOOD

Safe and reliable logistics transportation



管形薄膜从带折边薄膜卷中拉出，由一对扩展皮带打开，随后被四根拉伸臂托举。

The tubular film is pulled out of the roll with folded edges,opened by apair of extension belts and subsequently



从薄膜卷上定长裁断和热封薄膜，完成薄膜收集并进行拉伸套管制作准备。

The machine will measure the film length needs and sealing the film become a bag and the four arm will collect the complete bag from the sealing part.



最终收集封口的拉伸套管膜并拉伸至包装所需的尺寸。

Final couection of the sealed stretch hood and strectching to the required size for package.

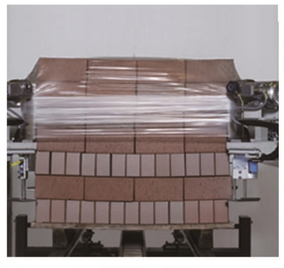


打包的粒料袋货盘。

The complete packing with stretch hood on a resin bag pallet.



化工原料



建筑材料



食品和饮料



白色家电



ADVANTAGE
优点

更好的弹力以适应不同的应用需求
高夹持力以提供优秀的负载稳定性
优异的薄膜韧性，有效防止破损
良好的抗穿刺及耐撕裂特性，为易破损边角提供更好保护
良好透明度利于内容物条码扫描
高低温环境下均能保持卓越性能
更低密度，所用材料重量减轻达4%
易于加工
针对不同需求，提供不同定制解决方案及薄膜结构建议

Better elasticity to adapt to different application requirements
High holding to provide excellent load stability
Excellent film toughness, effectively against breakage
Good puncture resistance and tear resistance, to provide better protection for vulnerable corners
Good transparency facilitates content bar code scanning
Excellent performance at high and low temperatures
With lower density, the weight of the material used can be reduced by 4%
Easy processing
Provide customized solutions and membrane structure suggestions for different needs

解决方案

请您首先选定品质，然后在我们的缠绕膜中选定一款型号



+



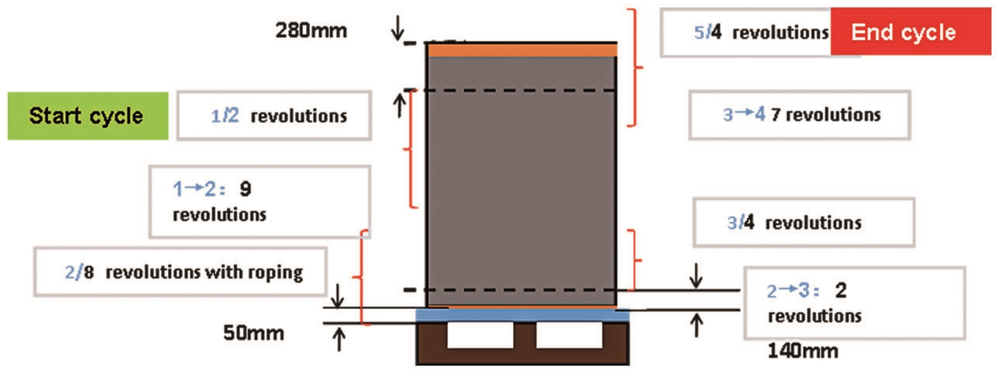
Robopac、Atlanta、
Lantech、Sinolion、
Lachenmeier

招商路凯

=

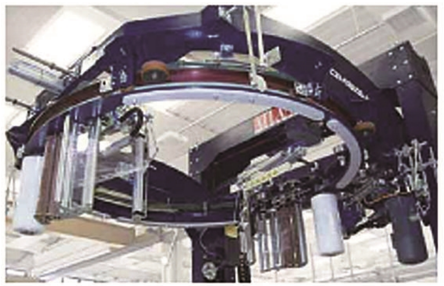
SOLUTIONS

Please first select the quality and then select a model in our stretch film



KPI's

发挥包装机性能 提升后道包装速度



High performance packing machine to increase packing speed at the end of the line

增强运输中的稳定性



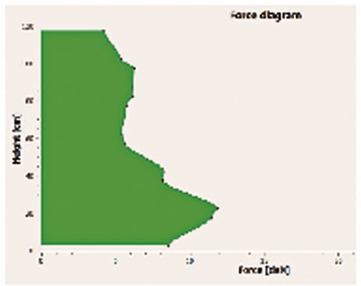
Increase pallet stability during transportation

减少包装材料消耗



Reduce packaging material

对托盘货物受力情况 进行检测对比和优化



Simulate and compare the data of the pallet load and optimise the solution

- ➔ 改善包装外观
- ➔ 改良的条码易读性
- ➔ 粘性提高/优化
- ➔ o o o

- ➔ Improve packaging appearance
- ➔ Improve barcode readability
- ➔ Improve and optimise adhesive
- ➔ ...

提高负载稳定性

我们的产品为您的货物提高运输安全

IMPROVE LOAD STABILITY

Our products improve the transportation safety of your goods

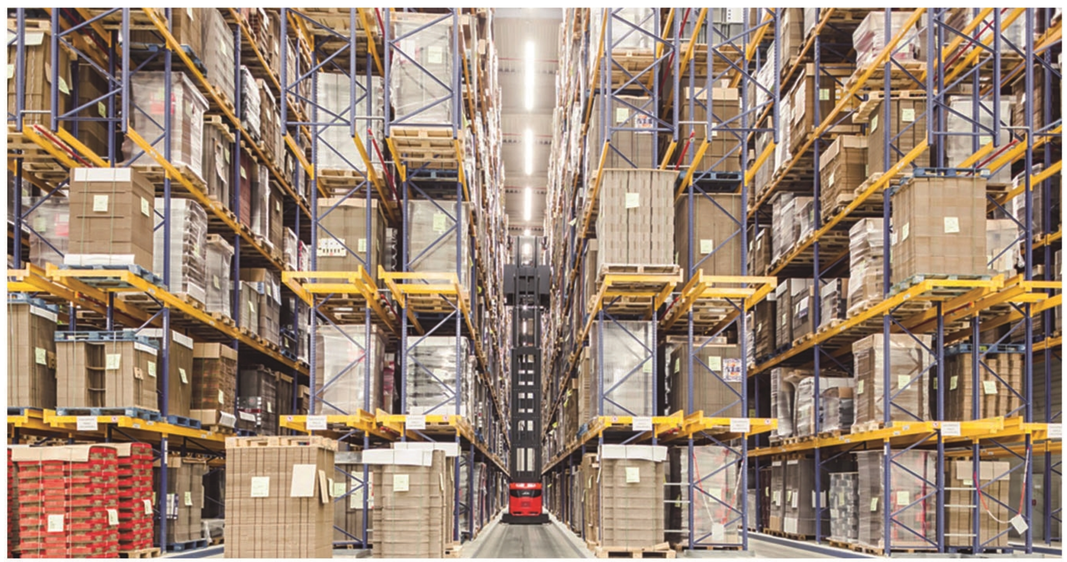


合作与服务

我们的服务是通过创新和品质为您带来安全稳定的生产

Cooperation and Service

Our service is to bring you safe and stable production through innovation and quality



使用场景深化合作

REAL APPLICATION COOPERATION PARTNER







与欧洲最大的缠绕机生产商 Robopac 、Atlanta小黄人等达成合作，在缠绕膜与缠绕机相结合的营销模式合作顺利后，加强在负载稳定性解决方案方面深度合作。

Cooperation with the biggest wrapping machine manufacturer from EUROPE - Robopac and Atlanta, smooth cooperation for marketing model with combination of stretch film and wrapping machine enhance load stability solution provided.

与托盘协会、运输包装实验室展开深入合作，意在以科技让储运包装更安全。

未来将是一个全面融合的世界，源点科技将联合相关方为合作伙伴创造高效、安全、经济的储运包装价值！源点科技将通过持续的技术创新和目标管理，不断推进产品结构优化、提高产品质量、降低整线成本，帮助客户在未来工业时代获得成功。

The future world will be fully integrated. Yuandian Technology will cooperate with all relevant parties to create efficient, safe and economical load packaging.
We will continue to promote product structure, improve product quality and reduce the cost of the whole line through innovation and target management, so as to help customers continue to be successful in the future,industrial era.