



HUANGSHAN YUANDIAN NEW MATERIAL SCIENCE AND TECHNOLOGY CO., LTD

INTELLIGENT INNOVATIONS FOR TRANSPORT PACKAGING





Yuandian, founded in 2017, is dedicated to developing innovative industrial packaging items for customers worldwide.

Items we produce below.

High Performance FFS Packaging

高性能FFS包装

Nano 55 Stretch Film

纳米缠绕膜

Excellent Barrier Heavy Duty Bag

高阻隔重包袋

Stretch Hood

冷拉伸套膜



Development History

发展历程



2017

Established on 18 October 2017, The main products are nano stretch film and FFS resin bag.



2018

Laboratories, factory and office facilities are completed, and FFS is in production.



2019

Start production of NANO 55 layers stretch film in April 2019



2022

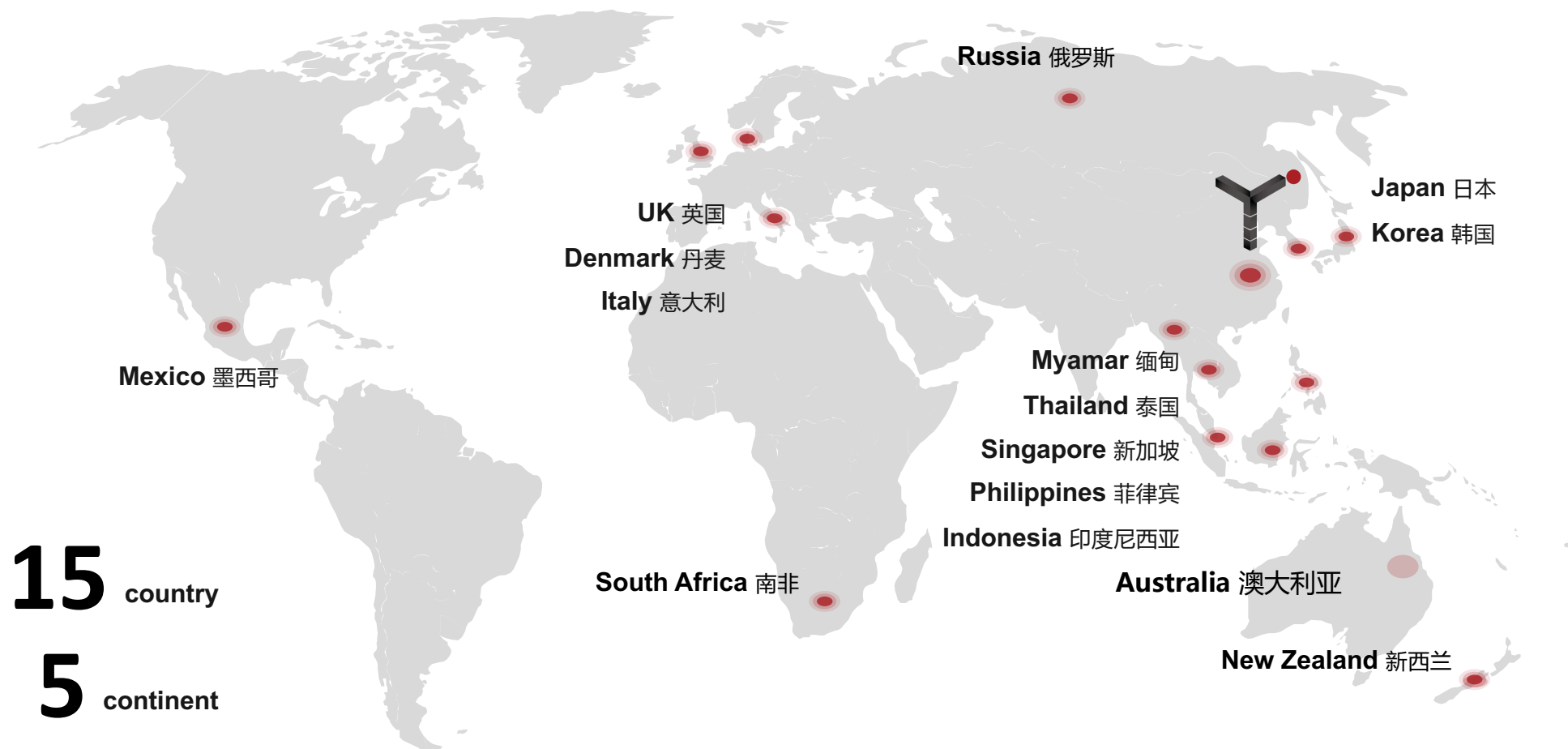
AMUT cast line start production.



2023

LianYunGang Branch (Jiangsu) began construction and production is planned to begin by the end of the year.

Export Region 出口区域



Stretch Film

缠绕膜



**MACHINE
STRETCH FILM
(Nano 55 Layer)**



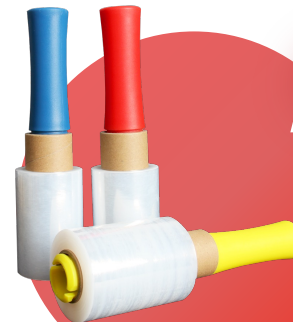
**HAND
STRETCH FILM**



**VENTED
STRETCH FILM**



**COLORED
STRETCH FILM**



MINI ROLLS

Nano 55 Layer Stretch Film

55 层纳米缠绕膜



Nano 55 Layer stretch film yet tough with good grip for better load stability



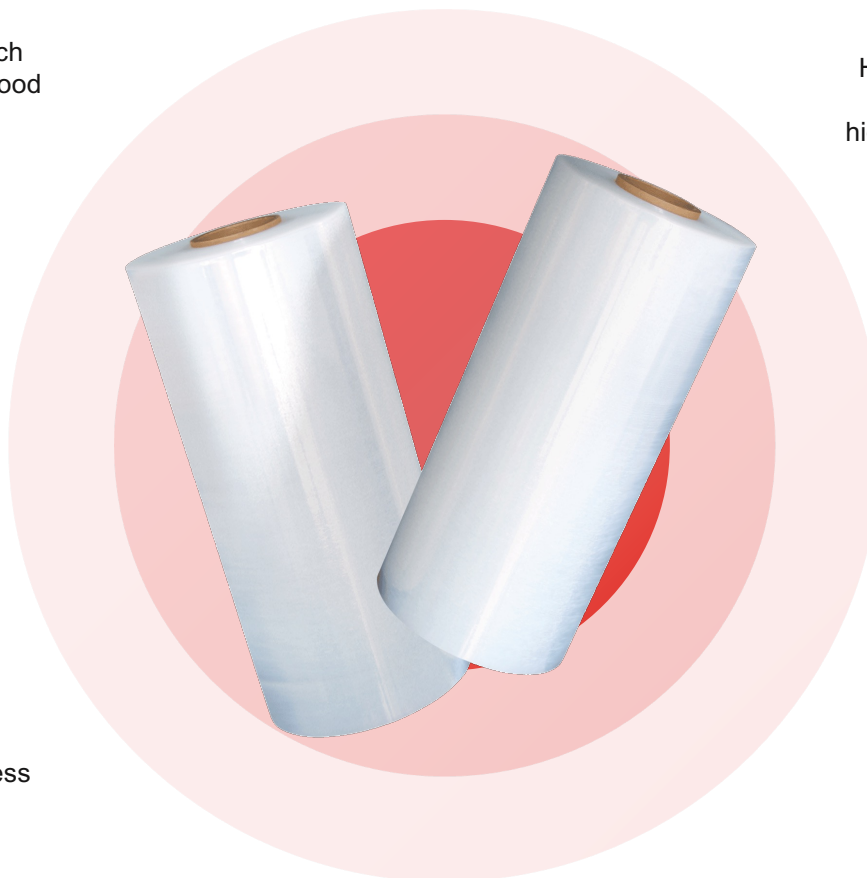
Imitate Pre-stretched for hand wrapping



High durability against puncture and tearing perforation



Economical for transportation and less shelf space needed



Highly stretchable and able to perform at higher speed wrapping



Lower your cost per load for each containment with less film needed



customization for your goods, wrapping machine or hand wrapping needs

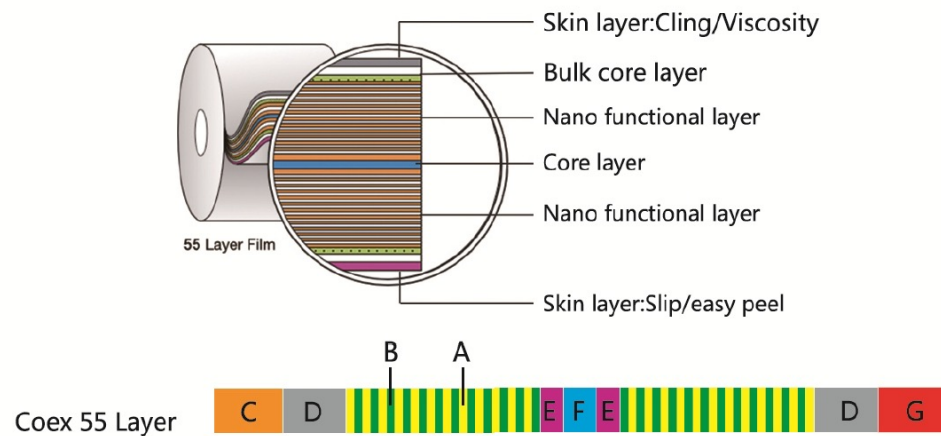


Environmentally safe



Nano 55 Layer Stretch Film

55 层纳米缠绕膜



Advanced Technology Nano 55 layers Cast Line From W&H Germany

12 micron with 400% ultimate stretch.

Capacity: 16,600 ton/year

7 Layer Stretch Film

7 层缠绕膜



High speed 7 layer cast line machine from Italy which able produce minimum 7 micron
with high quality hand film
Capacity: 8,000 ton/year

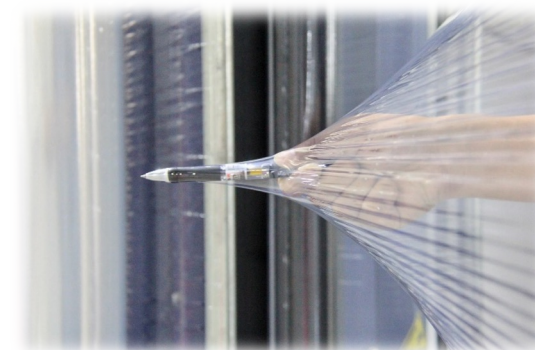
Stretch Film Specification

Nano Machine Roll - Stretch Level Specification

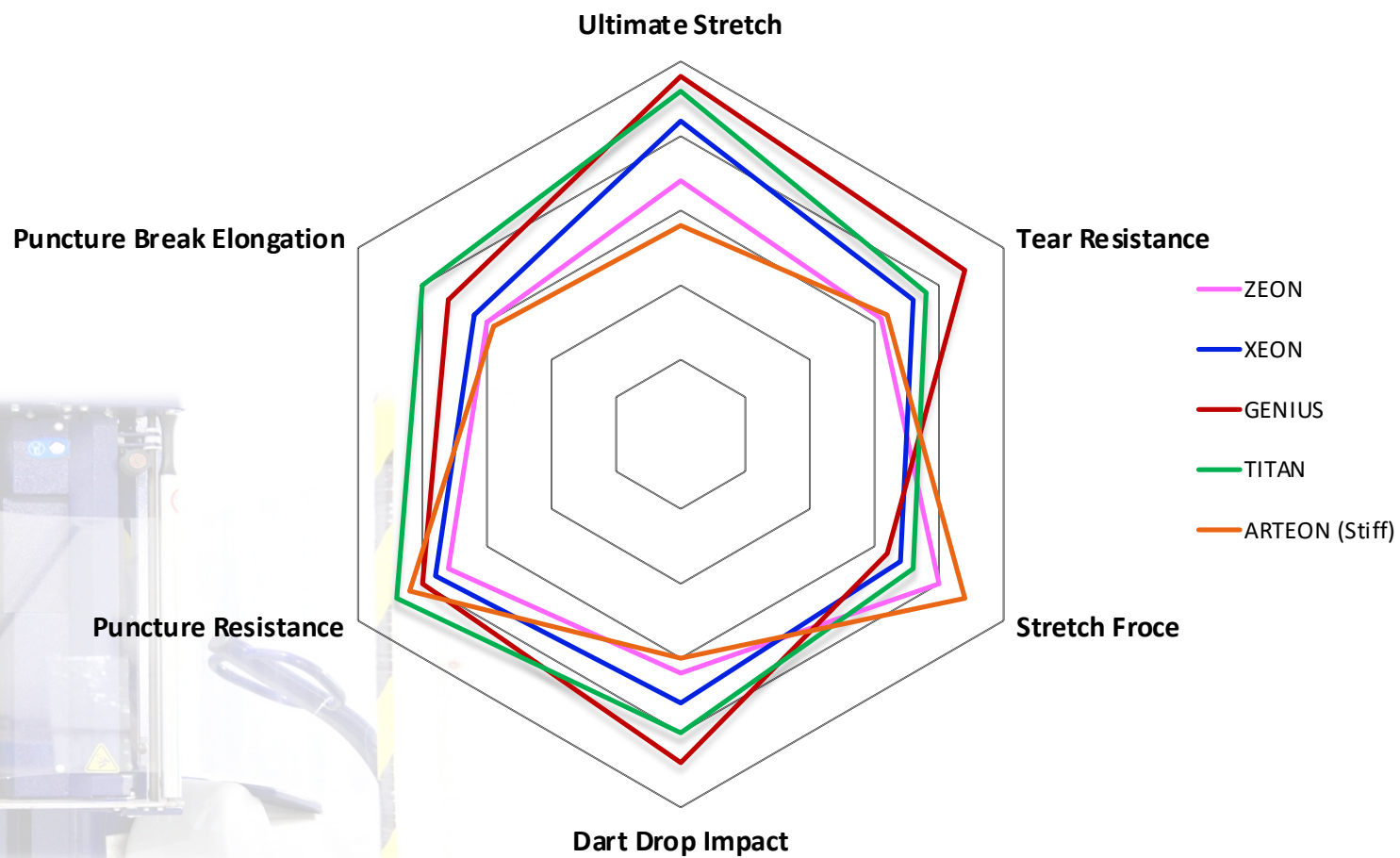
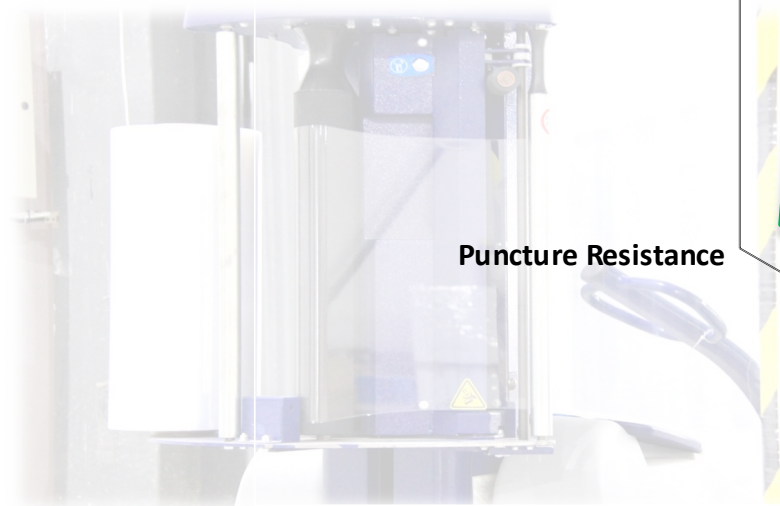
Film Grade	Thickness (μm)	Ultimate Stretch (%)	Optimal Stretch (%)
<i>Genius</i>	15	400	280 ~ 300
	12	350	250 ~ 280
<i>Titan</i>	15	350	250 ~ 280
	12	300	240 ~ 260
<i>Xeon</i>	20	350	280 ~ 300
	17	320	260 ~ 280
	15	300	230 ~ 250
<i>Zeon</i>	23	300	250 ~ 270
	20	270	230 ~ 250
	17	250	200 ~ 230
<i>Arteon</i>	12	180	130 ~ 150
	10	150	100 ~ 120

Hand Roll / Manual Stretch film

Film Grade	Thickness (μm)	Ultimate Stretch (%)	Optimal Stretch (%)
<i>High end Stiff Film</i>	12	150	50% to 70%
	10	120	
	8	100	
<i>Standard</i>	23	300	250
	20	270	230
	17	250	200
	14 / 15	250	200



Nano Machine Film Performance



Nano Machine Film Application

- **Genius Grade – G series**

Thin film, Excellent ultimate stretch level and tear resistance, design for **HIGH SPEED** wrapping machine (Up to 70 rpm) to increase production efficiency and cost saving.

- **Titan Grade – T series**

Thin film, High ultimate stretch level and tear resistance, film performance are close to Genius grade, use on high end and standard wrapping machine.

- **Xeon Grade – X series**

Standard high-end film, better puncture resistance, design for high stretch level turn-table and rotation arm wrapping machine. Suitable for 90% wrapping machine on the market.

- **Zeon Grade – Z series**

Standard film, design for standard stretch level wrapping machine, use for non-challenge pallet load.

- **Arteon Grade – A series**

Excellent holding force and retention memory, design for low stretching wrapping machine and cost saving project. (10 micron & 12 micron only)

The Advantage of Nano Stretch Film

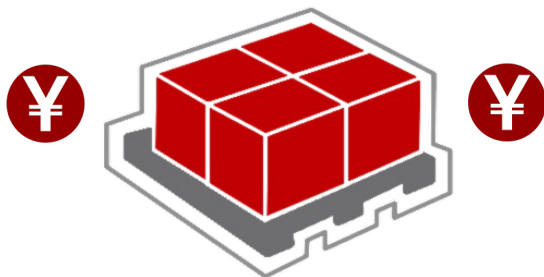


The Advantage of Nano Stretch Film

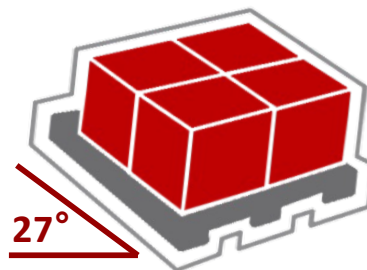


The Advantage of Nano Stretch Film

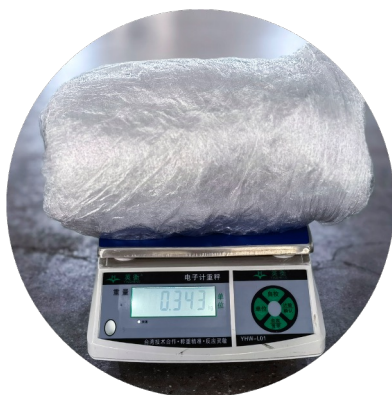
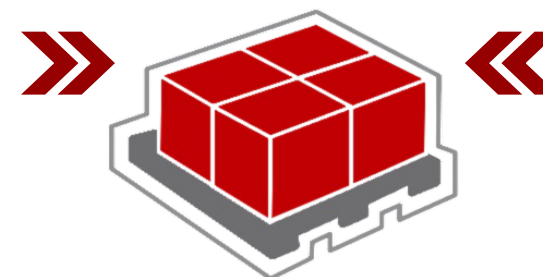
Cost saving &
Reduce plastic usage



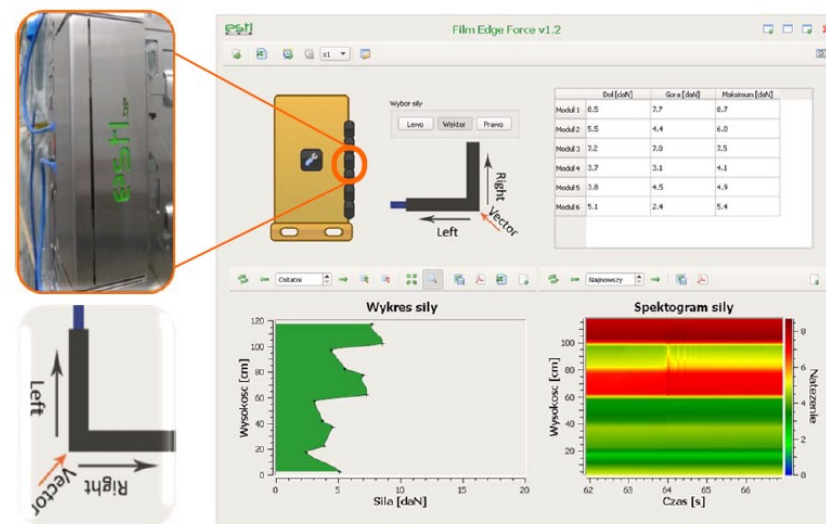
Pallet stability & Safety



Better holding &
retention force



Service & Test Report for Stretch Film



We can provide test & report for:

- ESTL 750: Ultimate Test, Puncture test, Retention test, Tear resistance & Cling test.
- ESTL 200: Holding force test
- Tensile test: Film Elongation and Break force (ISO Standard)
- Dart drop impact
- Highlight test kit manual testing



Capacity & Facility

产能设备



55 Layer Nano Cast Line

Advance technology nano 55 layers cast line from W&H Germany which can produce 12 micron with 400% ultimate stretch.

Status: In production

Capacity: **16,600** ton/year



7 Layer Cast Line

High speed 7 layer cast line machine from Italy which can produce minimum 8 micron with high quality film

Status: In production

Capacity: **8,000** ton/year

Capacity & Facility 产能设备



3 Layer blown line

6,000 ton/year

4 units of Advance technology 3 layers blown line from W&H Germany which can produce FFS films from 100micron to 180micron.
Status: In production



Gravure Printing line

400 m/min

Advance technology printing line from W&H Germany which can printing max 10 colors.
Status: In production



FUJI Dry Laminator line

260 m/min

Advance technology dry laminator line from FUJI Japan.
Status: In production

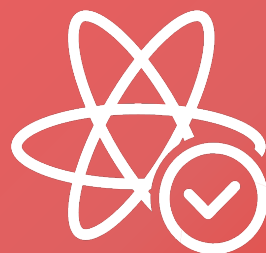


Pouching Line

50,000 pcs/day

Various types of bags can be produced.
Status: In production

Capacity & Facility 产能设备



Share the nationally
technology centre and build
own transportation safety lab

共享国家企业技术中心并自建储运安全实
验室



Quality Certification

质量体系



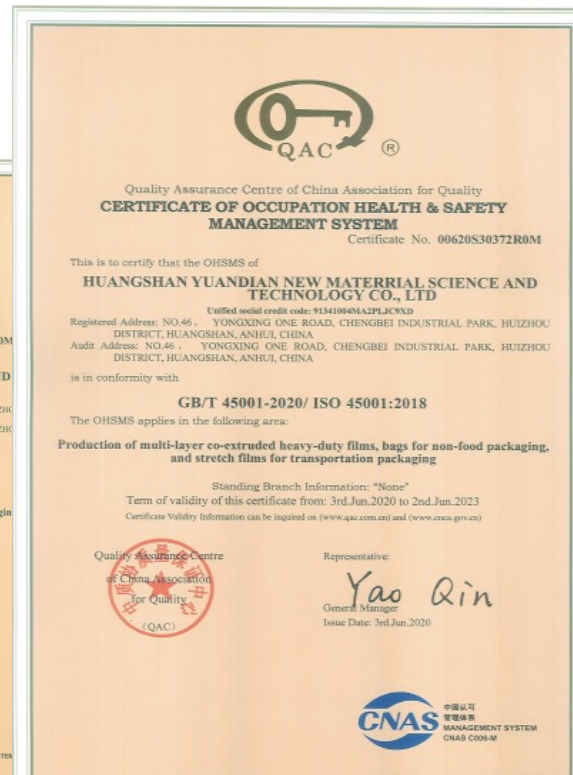
ISO 9001
2015



ISO 45001
2018



ISO 14001
2015





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