 PLASTIC
MACHINERY
武汉银丰

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FILM PRODUCTION EQUIPMENT

薄膜生产装备解决专家

武汉银丰塑料机械有限公司
WUHAN YINFENG PLASTIC MACHINERY CO.,LTD

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武汉银丰

公司简介

Company Profile

武汉银丰塑料机械有限公司成立于2002年，坐落于武汉市阳逻经济开发区华中国际产业园。自成立以来，公司始终专注于塑料吹膜设备及工艺技术的研发与创新，致力于为客户提供高效、可靠的吹膜解决方案。

经过二十五余年的深耕与积累，公司有65名员工，已打造出一支经验丰富、技术精湛的工程团队和高素质的职工队伍。年销售吹膜设备70余台，我们生产的高品质三层至七层吹膜生产线，凭借卓越的性能和稳定的质量，畅销国内25个省及全球20多个国家和地区，赢得了海内外客户的广泛信赖与赞誉。公司始终坚持“品质为先，服务为本”的经营理念，以优质的产品和完善的售后服务，树立了良好的市场口碑。

如今，银丰塑料机械已构建起以研发、设计、制造、维护为核心的四大业务板块，汇聚了近百名专业人才，形成了强大的技术支撑和服务保障体系。我们始终秉持“诚信、务实、创新”的企业理念，以打造精品设备为己任，不断追求技术突破与产品升级。

未来，银丰愿与广大客户携手并进，共创辉煌，为推动行业进步和可持续发展贡献力量。

25+余年
行业经验

25+省市
产销全国

20+国家
远销国外

Wuhan Yinfeng Plastic Machinery Co., Ltd. was established in 2002 and is located in Huazhong International Industrial Park, Yangluo Economic Development Zone, Wuhan City. Since its establishment, the company has always focused on the research and innovation of plastic blown film equipment and process technology, committed to providing customers with efficient and reliable blown film solutions.

After more than 25 years of deep cultivation and accumulation, the company has 65 employees and has built an experienced and skilled engineering team and a high-quality workforce. We sell more than 70 blown film equipment annually. Our high-quality three-layer to seven layer blown film production lines, with excellent performance and stable quality, are sold well in 25 provinces in China and more than 20 countries and regions worldwide, winning widespread trust and praise from customers at home and abroad. The company always adheres to the business philosophy of "quality first, service-oriented", and has established a good market reputation with high-quality products and perfect after-sales service.

Nowadays, Yinfeng Plastic Machinery has established four major business segments with research and development, design, manufacturing, and maintenance as the core, gathering nearly a hundred professional talents and forming a strong technical support and service guarantee system. We always adhere to the corporate philosophy of "integrity, pragmatism, and innovation", take it as our responsibility to create high-quality equipment, and constantly pursue technological breakthroughs and product upgrades.

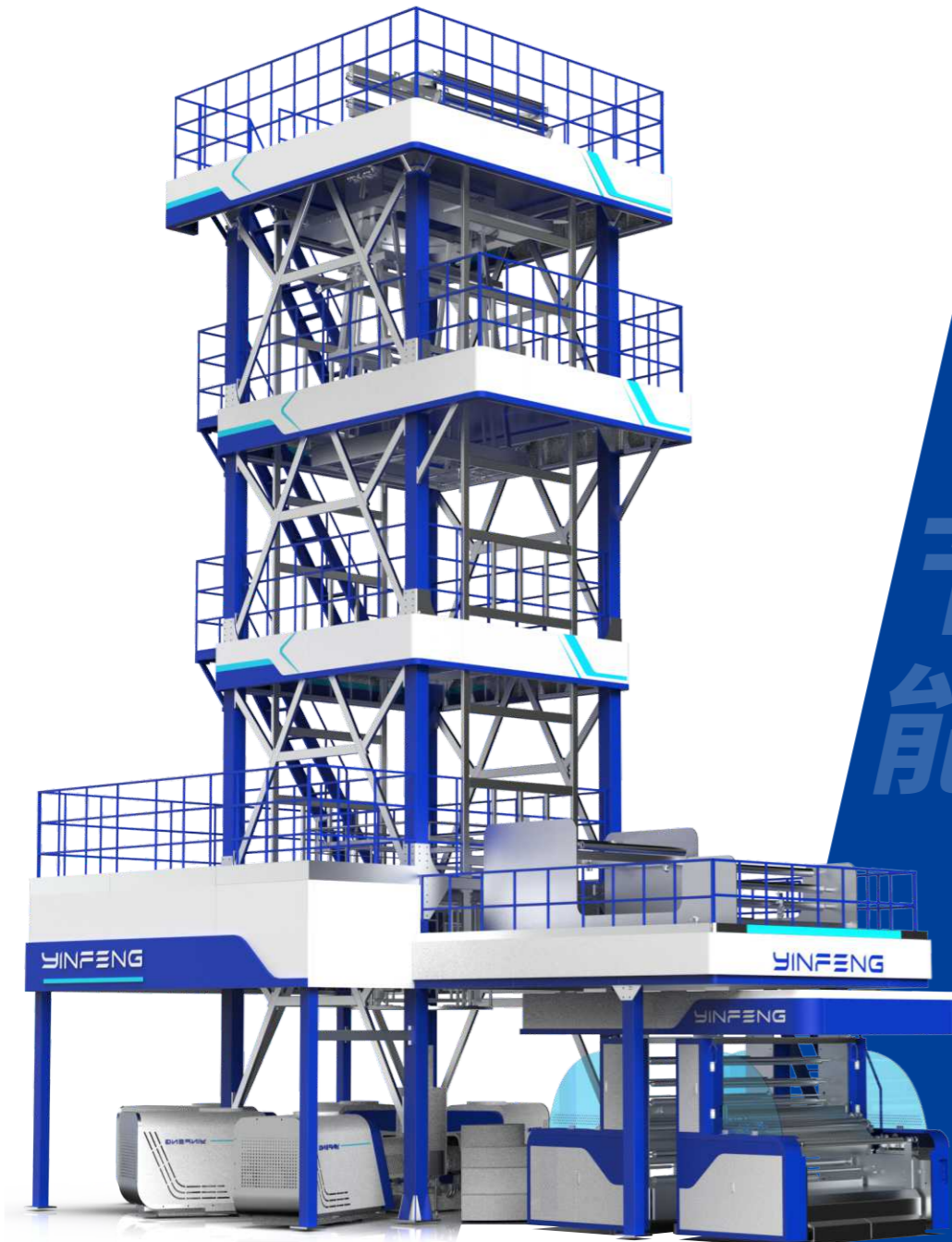
In the future, Yinfeng is willing to work hand in hand with our customers to create brilliance and contribute to promoting industry progress and sustainable development.



01

多层(3-5层)共挤非阻隔薄膜机组

3 to 5-layer Non-barrier Blown Film Extrusion Machine



高产
高效
节能

机组介绍 / Unit Introduction

银丰SGM-GM系列吹膜机组是银丰优化现有机型产品推出的定制化和高产能的中高端机型。该机型满足客户对薄膜厚度控制, 薄膜透明度, 薄膜挺度和韧性, 薄膜产量等有较高要求的生产。银丰3-5吹膜机型目前提供的非阻隔吹膜机型包括3层和5层两种结构, 薄膜制品折径从1200MM到3500MM。

- 01 智能化控制技术应用, 提高了生产管理技术, 减少人工。
- 02 设备各系统采用最新技术, 产能提升40%以上。
- 03 行业最先进的加工中心, 核心部件欧洲进口, 确保设备持续工作稳定性。
- 04 丰富的工艺配方数据库和系统平台仿真推演, 确保薄膜更高质量。
- 05 设备采用模块化设计, 可根据客户要求, 实现柔性定制。
- 06 薄膜加工广泛适应性, 满足高品质薄膜生产。

The Yinfeng SGM-GM series blown film unit is a customized and high-capacity mid to high end model launched by Yinfeng to optimize existing models. This model meets the high production requirements of customers for film thickness control, film transparency, film stiffness and toughness, film yield, etc. The non barrier blown film models currently offered by Yinfeng 3-5 include two structures: 3-layer and 5-layer, with film product folding diameters ranging from 1200mm to 3500mm.

1. The application of intelligent control technology has improved production management technology and reduced manual labor.
2. Each system of the equipment adopts the latest technology, resulting in a production capacity increase of over 40%.
3. The most advanced machining center in the industry, with core components imported from Europe, ensures the continuous stability of equipment operation.
4. Rich process formula database and system platform simulation and deduction ensure higher quality films.
5. The equipment adopts modular design, which can achieve flexible customization according to customer requirements.
6. Wide adaptability in film processing to meet high-quality film production needs.

主要技术指标 / Technical Parameters

型号 Model		SGM1800	SGM2200	SGM2600	GM5-2000	GM5-2400
层数 Number of layers		3	3	3	5	5
折径 Fold diameter	M	1.7	2	2.4	1.9	2.2
厚度 Thickness	MM	0.025-0.20	0.025-0.20	0.025-0.20	0.025-0.20	0.025-0.20
产量 Production	KG/H	300	350	400	420	500
适合原料 Suitable for raw materials		MLLDPE LLPE LDPE EVA 等				
螺杆直径 Screw diameter	MM	65 75 65	75 75 75	75 85 75	75 65 65 65 65	85 65 65 65 65
长径比 Aspect ratio	L/D	32 : 1				
螺杆最大转速 Maximum speed of screw	R/MIN	110	110	110	110	110
主电机功率 Main motor power	KW	45/55/45	55/55/55	55/75/55	55/45/45/45/45	75/45/45/45/45
风环 Air Ring		高产高效冷却风环 High yield and high efficiency cooling air ring				
牵引速度 Traction speed	M/MIN	80-120				
总功率 Total Power	KW	350	400	420	450	450
外形尺寸(L*W*H) Dimensions	M	12*7*10.5	12*8*14.5	12*8*14.5	13*8*14.5	13*8*16

* 以上技术仅供参考 The above technical parameters are for reference only

02

多层(5-9层)共挤 高阻隔薄膜吹塑机组

5 to 9-layer High-barrier
Blown Film Extrusion Machine

机组介绍 / Unit Introduction

该机组特殊设计的螺杆和模头适于加工PA、EVOH等具有气体阻隔性能的树脂，主要用于生产各种规格的五层及以上薄膜，满足用户对气体（O₂、N₂、CO₂...）高阻隔性能的包装要求达到保香、保鲜、防腐、气密、延长保质期的包装目的。

整机采用模块化设计理念，方便用户加工不同原料、配方和薄膜产品。

具体包括：层间比例控制系统，精确控制各层之间的厚度及比例，确保阻隔性能的前提下节约昂贵树脂的用量。

薄膜厚度自动控制系统，配套在线测厚和自动模头（自动风环）组成的闭环控制系统实现对薄膜厚度的自动检测和控制。

现场总线计算机集中控制系统，通过数字化通讯网络对整机的温度、转速、压力、风速、牵引、张力、线速等系统进行控制，同时显示和监控各温度、压力、电流、电压、张力、速度、长度等参数，并具有自动报警和自诊断等功能。

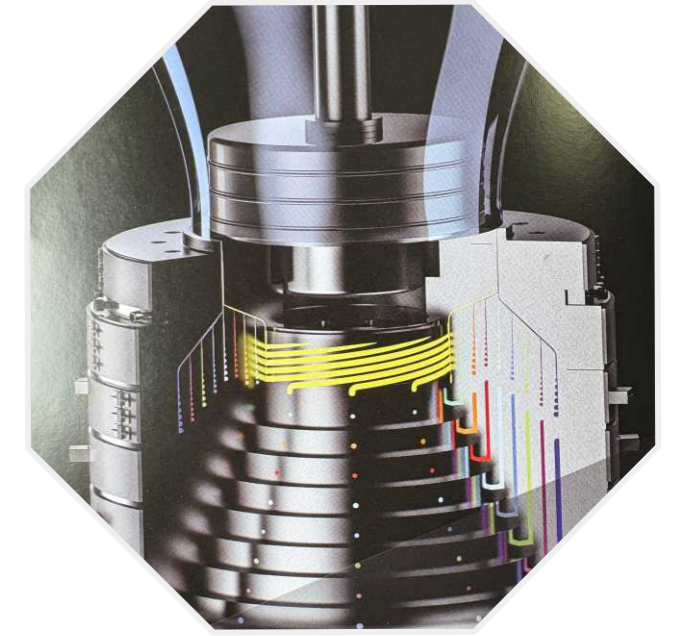
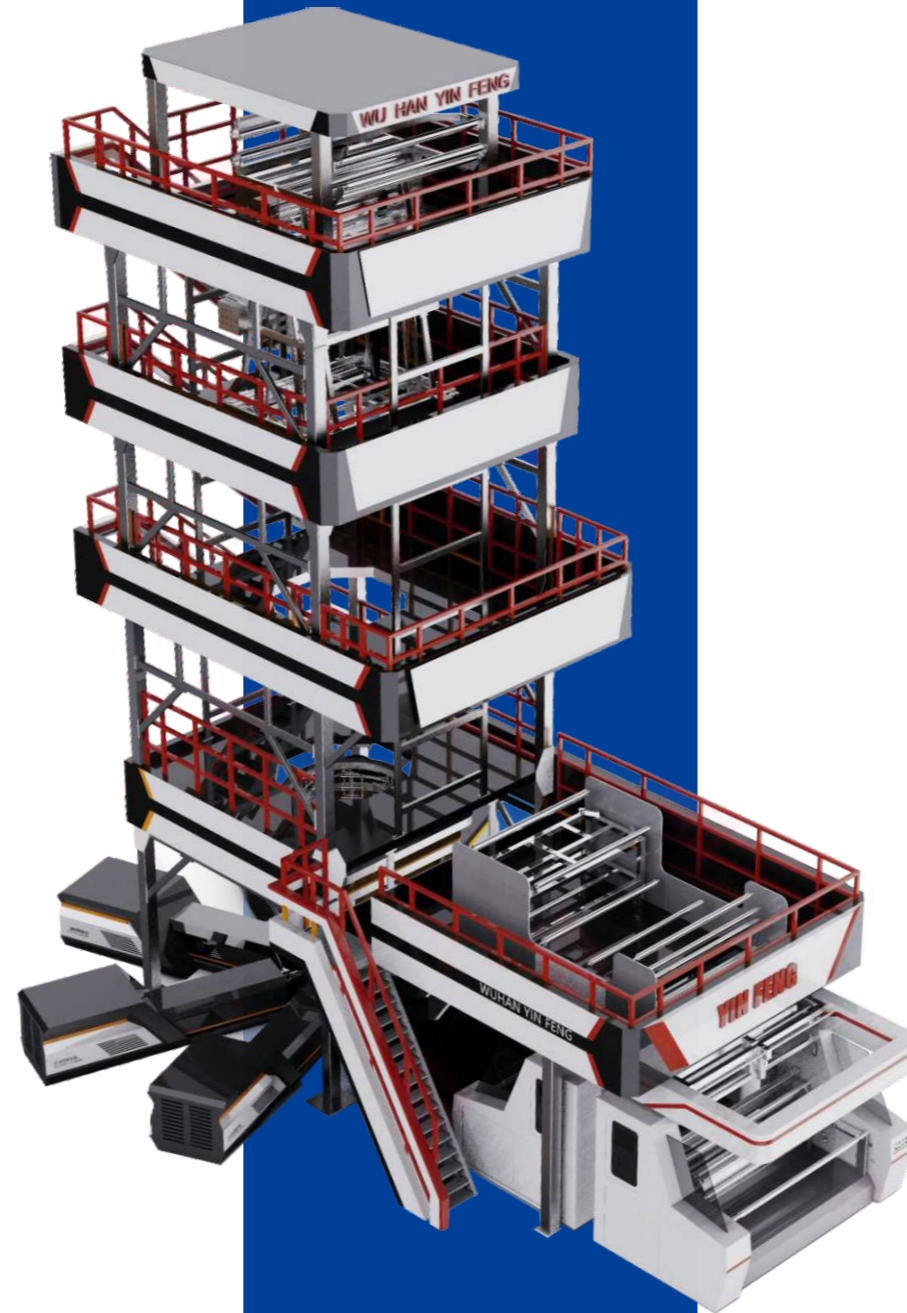
The specially designed screws and molds of this unit are suitable for processing resins with gas barrier properties such as PA and EVOH. They are mainly used to produce five layer and above films of various specifications, meeting the packaging requirements of users for high barrier properties of gases (O₂, N₂, Co₂...) to achieve packaging purposes of fragrance preservation, freshness preservation, anti-corrosion, airtightness, and extended shelf life.

The whole machine adopts a modular design concept, which facilitates users to process different raw materials, formulas, and film products.

Specifically, it includes an interlayer ratio control system that precisely controls the thickness and ratio between each layer, ensuring barrier performance while saving expensive resin usage.

The automatic control system for film thickness is equipped with a closed-loop control system consisting of online thickness measurement and automatic mold head (automatic air ring) to achieve automatic detection and control of film thickness.

The fieldbus computer centralized control system controls the temperature, speed, pressure, air speed, traction, tension, wire speed and other systems of the whole machine through a digital communication network. It also displays and monitors various parameters such as temperature, pressure, current, voltage, tension, speed, length, and has functions such as automatic alarm and self-diagnosis.



主要技术指标 / Technical Parameters

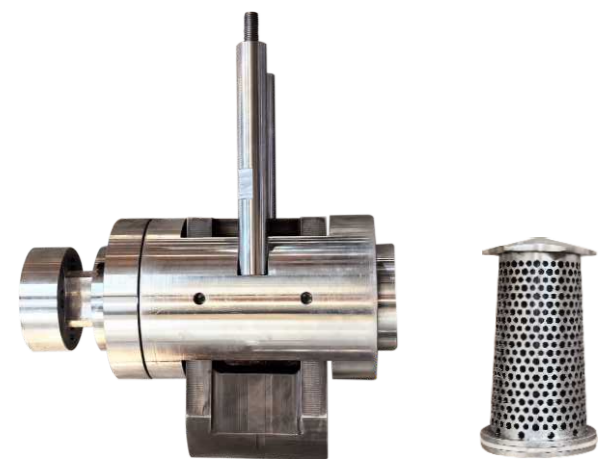
型号 Model		GM7-1800	GM7-2200	GM9-1800
层数 Number of layers		7	7	9
型号薄膜最大折径 Maximum folding diameter of film	MM	1600	2000	1600
薄膜厚度 Film Thickness	MM	0.025-0.12 (阻隔 Barrier)		
产量 Production	KG/H	300	350	350
适用原料 Suitable for raw materials		PA, EVOH, PVA, mLLDPE, LDPE, EVA		
螺杆直径 Screw diameter	MM	Ø65、Ø50×6	Ø75、Ø55×6	Ø50×9
螺杆最大转速 Maximum speed of screw	R/MIN	100、110×6	100、110×6	110
主电机功率 Main motor power	KW	45、30×6	55、37×6	30×9
风环 Air Ring		自动风量式风环 Air volume automatic air ring		
牵引速度 Traction speed	M/MIN	80-120		
总功率 Total Power	KW	500	600	550
外形尺寸(L×W×H) Dimensions	M	18×10×14	18×10×17	18×10×14

* 以上技术仅供参考 The above technical parameters are for reference only

03

三层共挤电子保护膜类吹膜机组

3-layer Blown PE Electronic Protective Film Machine



长效晶点过滤器 / Long lasting crystal point filter

机组介绍 / Unit Introduction

该机组是专门针对晶点要求较高的PE保护膜基材而定制. 如应用于电子产品, 手机电脑, 玻璃, PET片材, PC版, 家电板, 光学膜等等所需的高端PE保护膜基材。

This unit is specially customized for PE protective film substrates with high crystal point requirements, such as high-end PE protective film substrates required for electronic products, mobile phones, glass, PET sheets, PC versions, home appliance boards, optical films, etc.

主要技术指标 / Technical Parameters

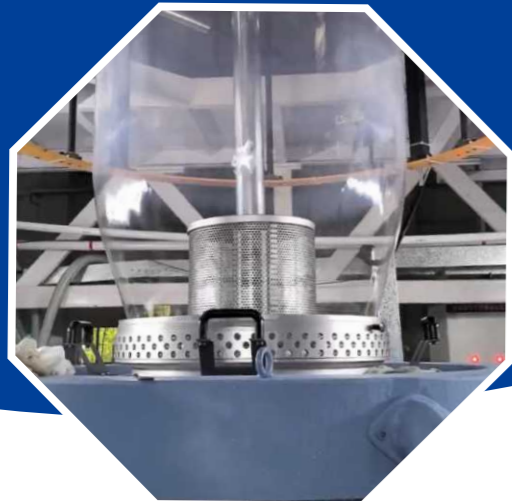
型号 Model		SGM1600/1800
层数 Number of layers		3
型号薄膜最大折径 Maximum folding diameter of film	MM	1500/1600
薄膜厚度 Film Thickness	MM	0.025-0.20
产量 Production	KG/H	150-250
适用原料 Suitable for raw materials		LDPE LLDPE mLLDPE
螺杆直径 Screw diameter	MM	65/65/65
螺杆最大转速 Maximum speed of screw	R/MIN	110
主电机功率 Main motor power	KW	45/45/45
风环 Air Ring		高速风环 (自动风环) High speed air ring (automatic air ring)
牵引速度 Traction speed	M/MIN	5-80
总功率 Total Power	KW	180
外形尺寸(L×W×H) Dimensions	M	11×7×10.5

* 以上技术仅供参考 The above technical parameters are for reference only

04

3-5层自粘保护膜吹膜机组

3 to 5-layer Self-adhesive Protective Film Blowing Unit



Unit Introduction / 机组介绍

该机型主要生产自粘保护膜，粘度可高达800-1000g，粘料层厚占比可达3-5%，分布均匀。制品广泛应用于建材，家电家具，陶瓷，电子产品，汽车等表面的保护。该机组有三层，五层及各种宽幅。

This model mainly produces self-adhesive protective film with a viscosity of up to 800 - 1000g, and the proportion of adhesive layer thickness can reach 3 - 5%, with uniform distribution. The products are widely used for surface protection in building materials, household appliances and furniture, ceramics, electronic products, automobiles, and other industries. The unit has three-layer, five-layer, and various widths.

主要技术指标 / Technical Parameters

型号 Model		SGM-1800	SGM-2200	GM5-2200
层数 Number of layers		3	3	5
型号薄膜最大折径 Maximum folding diameter of film	MM	1600	2000	1600
薄膜厚度 Film Thickness	MM	0.015-0.12		
产量 Production	KG/H	250	300	350
适用原料 Suitable for raw materials		LLDPE, MLLDPE, LDPE, EVA		
螺杆直径 Screw diameter	MM	Ø55、Ø75、Ø65	Ø55/Ø85/Ø65	Ø55/Ø65/Ø75/Ø65/Ø55
螺杆最大转速 Maximum speed of screw	R/MIN	100、110	100、110	100、110
主电机功率 Main motor power	KW	30/55/45	30/75/45	30/45/55/45/30
牵引速度 Traction speed	M/MIN	80-120		
总功率 Total Power	KW	250	300	400
外形尺寸(L×W×H) Dimensions	M	12×8×11	12×8×12	12×8×14

* 以上技术仅供参考 The above technical parameters are for reference only

05

多层共挤重包装膜吹膜机组

Multi-layer Co-extrusion Heavy Packaging Film Blowing Unit



机组介绍 / Unit Introduction

多层共挤PE重包装膜：具有强度、韧性、开口性、防潮性、透明性和热封性等性能，广泛应用于化工原料、粮食、化肥等大宗产品的包装，适用于各种包装袋、提袋、垃圾集运袋的制作，适用于LDPE、LLDPE、mLLDPE、HDPE等的原料。

Multi-layer co-extruded PE heavy-duty packaging film: It has properties such as strength, toughness, openness, moisture resistance, transparency, and heat sealing, and is widely used in the packaging of bulk products such as chemical raw materials, grains, fertilizers, etc. It is suitable for the production of various packaging bags, bags, and garbage collection bags, and is suitable for raw materials such as LDPE, LLDPE, mLLDPE, HDPE, etc.

主要技术指标 / Technical Parameters

型号 Model		M3B-900Q-C	M5B-900Q-C
层数 Number of layers		3	5
型号薄膜最大折径 Maximum folding diameter of film	MM	750	
薄膜厚度 Film Thickness	MM	0.08-0.20	
产量 Production	KG/H	260	400
适用原料 Suitable for raw materials		LDPE, HDPE, LLDPE, MLLDPE	
螺杆直径 Screw diameter	MM	Ø55、Ø75、Ø65	Ø55/Ø65/Ø75/Ø65/Ø55
螺杆长径比 Draw Ratio of Screw	L/D	32:1	
螺杆最大转速 Maximum speed of screw	R/MIN	110/100/110	110/110/100/110/110
最大卷取直径 Maximum winding diameter	M/M	Ø1000	
总功率 Total Power	KW	220	300
外形尺寸(L×W×H) Dimensions	M	10*9*16	

* 以上技术仅供参考 The above technical parameters are for reference only

06

热收缩膜 (PE) 吹膜机

Heat Shrink Film (PE) Blown Film Machine

机组介绍 / Unit Introduction

该机型专为生产PE类热收缩膜而制做，分三层机，五层机，在保证客户收缩率的前提下，产量大，塑化好，能耗低。可制作各种宽幅的机型。

This model is specially designed for the production of PE heat shrink film, divided into three layer and five-layer machines. While ensuring customer shrinkage rate, it has high output, good plasticization, and low energy consumption. We can produce various wide width models.



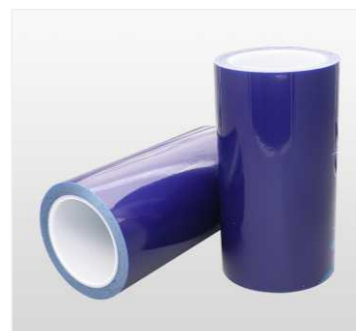
成品包装 / Finished product packaging

07

多层共挤保护膜吹膜机

Multi-layer co-extrusion protective film blowing machine

WUHAN YINGFENG



08

三层共挤“ABA”高产吹膜机

Three-layer Co-extrusion "ABA" High-yield Blown Film Machine



09

三层共挤“气柱膜”吹膜机

Three-layer Co-extrusion "Air Column Film" Blown Film Machine



气柱膜模具
Air Column Film Mold

气柱膜成品
Finished product of gas column membrane

10

自动风环/称重系统

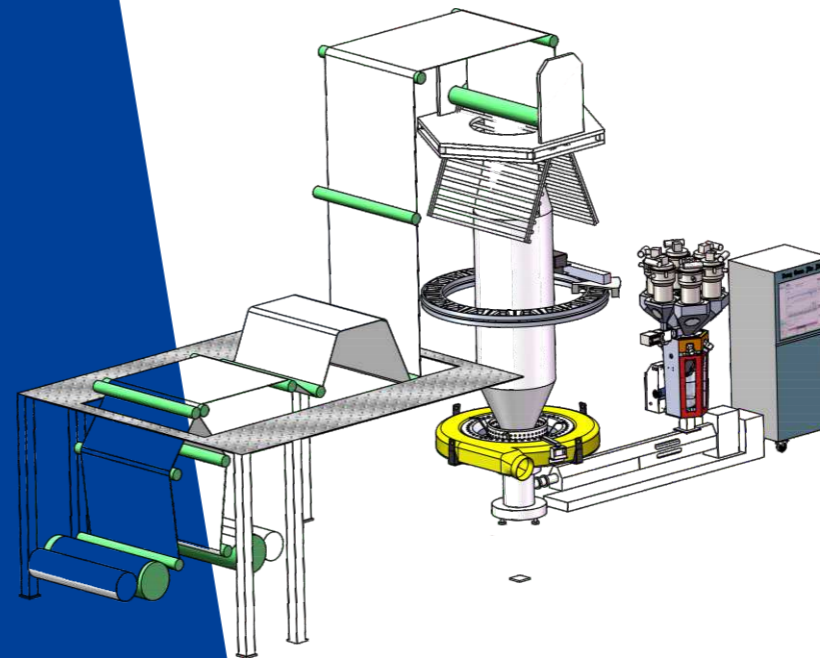
Automatic Air Ring /Weighing System



自动风环
Automatic Air-ring



自动测厚仪
Automatic Thickness Gauge



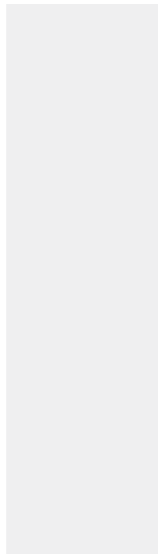
称重系统
Weighing System

11

部件展示 / Component Display



五层共挤模具 / Five-layer Co-extrusion Mold



稳泡架 / Bulb Stabilizing Cage



中心收卷机 / Central Winding Machine

12

Machining Center / 加工中心



Six Axis Machining Center / 六轴加工中心