

www.plastar-china.com

AOXIANG PACKING MACHINERY

PLASTAR

www.plastar-china.com

WENZHOU AOXIANG
PACKAGING MACHINERY CO.,LTD

温州奥翔包装机械有限公司

浙江省温州市平阳县宋桥工业区
Songqiao industrial Zone Pingyang County,
Wenzhou City Zhejiang Province

T 86-577-63712666
F 86-577-63799006
E ra-ax@ra-ax.com
M 139 6775 8959



To produce
competitive blown film machine

生产具有市场竞争力的吹膜机

PLASTAR

Plastar

Founded in 2008, Wenzhou Ao'xiang Packaging Machinery Co., Ltd located in China packing machinery city-Rui'an, Zhejiang province. It is a professional plastic packing machinery enterprise with high science and technology. Our main products are multi-layer co-extrusion film blowing machine with internal bubble cooling device, stretch film machine and etc., which are sold all over the world, such as Europe, the Middle East, India, Pakistan, Turkey, Mexico, Yemen and so on. Multi-layer co-extrusion film blowing machine is the top export sales in China and has gotten good feedback from customers.

Plastar adopts ISO9001 international quality management system, and also gets the European Union CE product certification. With "integrity, quality, service, innovation", we keep improving and innovating our technology step by step. With the best service, the most reliable and the most competitive prices, we take up the most packing machinery market. Thus, our machines gradually become internationalization, globalization.

Our company produces the Internal bubble cooling(IBC) multi-layer haul-off rotary film blowing machine to replace the traditional die head. It solved the problem of die head material leakage. We also designed the cold and hot wind exchange system. During working, one side blows the cold wind, and the other side sucks the hot air, which make the film cool down quickly, accelerating the film forming; we designed the up-traction on the rotating structure, making the film more transparent and more evenly.

The speed of our machine is 4/3 faster than other traditional machines which can produce three meters width film. It's the widest and the fastest multi-layer co-extrusion rotary blowing film machine in china and it also solved the most difficult problem of up-traction. Our products have been declared domestic patents, and the technology has met the domestic leading level.

Integrated enterprise with independent design. manufacturing and marketing.

具有独立设计、制造和销售能力的综合性实体企业

温州奥翔包装机械有限公司成立于 2008 年, 位于中国包装机械城浙江瑞安, 是一家专业生产经营塑料包装机械的科技型企业, 主要产品有多层共挤内冷上牵引旋转吹膜机、缠绕膜机等。产品畅销全国各地, 并出口欧美、中东及印度、巴基斯坦、土耳其、墨西哥、也门等 20 多个国家和地区, 多层共挤内冷上牵引旋转吹膜机年出口销售量全国第一、深受客户好评。

公司全面实行 ISO9001 国际质量管理体系, 并获得欧盟 CE 标志产品认证。以“诚信、品质、服务、创新”为宗旨, 不断进取, 不断创新, 力求以最优质的服务、最可靠的质量以及最有竞争力的价格占领市场, 使产品逐步走向国际化, 全球化。

本公司生产的“带内冷上牵引旋转式多层共挤吹膜机”, 替代了传统的下膜头旋转。弥补了以前膜头漏料的问题。创新设计了冷热风交换系统, 在吹制时一边送进冷风, 一边吸出热风, 使吹制的薄膜快速冷却, 加快了成型速度; 设计了上牵引旋转结构, 使吹制的薄膜透明度更高, 厚薄更加均匀。设备生产速度比传统产品快三分之一以上, 能生产幅宽三米上牵引旋转吹膜机, 是目前国内门幅最宽、生产速度最快的多层共挤上牵引旋转吹膜机设备, 解决了国内难度最高上牵引旋转设备。填补了国内空白。产品已获得多项国内专利, 技术达到国际领先水平。



Contents



Blown film machine

Five-layer co-extrusion	SJ
ABC Three-layer co-extrusion	SG
AB Double-layer co-extrusion	SF
Mono layer	SD
High speed mono layer	GSD
Mini type high speed mono layer	MSD
ABA Three-layer co-extrusion	SD2L-ABA-1
Double-head ABA	SD2L-ABA-2

吹膜机系列	1
五层共挤吹膜机	1
三层共挤吹膜机	3
双层ABA吹膜机	6
单层吹膜机	7
单层高速吹膜机	10
迷你型吹膜机	11
三层共挤吹膜机	13
双机头吹膜机组	15

Stretch film machine

ABC Three-layer co-extrusion	CG
AB Double-layer co-extrusion	CF
Mono layer	CD

缠绕膜机组	17
三层缠绕膜机组	19
双层缠绕膜机组	20
单层缠绕膜机组	21

Rewinding machine

Full automatic rewinding machine	QCF-500
Stretch film rewinding and slitting machine	FC-500

复卷机系列	22
全自动电脑复卷机	22
缠绕膜复卷分切机	22



HOW WORKS

Blown film machine

组成部分

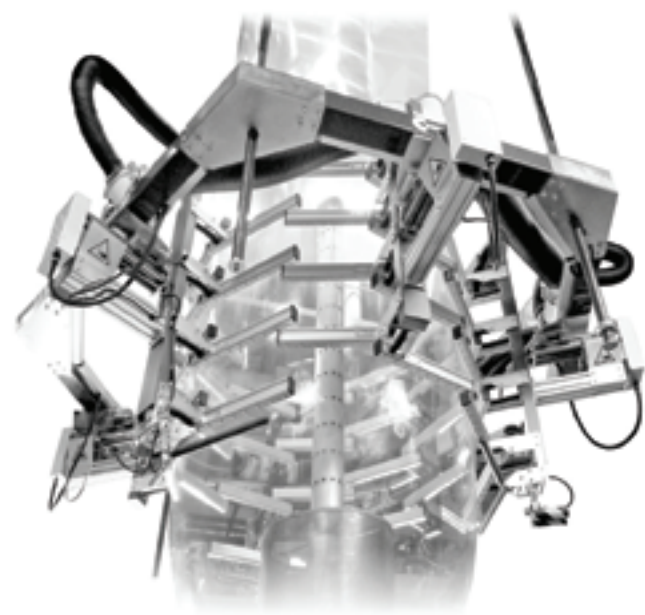
1	Material feeding 加料装置
2	Material metering 原料计量
3	Extruder 挤出机
4	Screen changer with connections 换网器带连接器
5	X-Die head 模头
6	Cooling ring 外部冷却装置
7	Thickness control 膜厚控制
8	Internal bubble cooling 内部冷却装置
9	Bubble cage 稳泡架
10	Thickness gauge sensor 壁厚测量
11	Haul-off rotary system 上旋系统
12	Center position control 中心纠偏系统
13	Corona treatment 电晕处理
14	Film take-off 下牵引
15	Winder 收卷机
16	Operator interface 过程控制展示

A	22%	80% mLLDPE+20% mPE
B	9%	100 % mLLDPE
C	38%	100 % LDPE
D	9%	100 % mLLDPE
E	22%	80% mLLDPE+20% mPE



WE ARE YOUR LOYAL PARTNER FOR FILM PRODUCTION

我们是您忠诚的薄膜生产伙伴



SERVING YOUR MARKETS.

为您的市场服务

食品 / 物流 / 医疗 / 建筑
家居 / 农用 / 制药 /
运输/ 卫生 / 电子/
自动化工程 / 化工

food/logistics/medical
construction/household
agriculture/pharmacy/
transportation/health/
electronics/automation
engineering/chemical
engineering

水果和蔬菜袋 / 货物袋 /
工业薄膜/复合膜/盖膜 / 农膜/
动物饲料包装 / 包裹袋/
糖果包装 / 猪肉和家禽包装 /
医疗膜/牛奶膜

fruit and vegetable bags/cargo bag/
industrial film/lamination film/
mulch film/animal feed packaging/
packaging bag/candy packaging/
pork and poultry packaging/
medical film/milk film

建筑用膜 / 冰冻产品膜/
冷藏袋 / 尿布袋 / 报纸膜/
烘焙产品包装 / 保护膜 /
垃圾袋 / 信封袋

construction film/frozen
product film/ refrigerated bag/
diaper bag/newspaper film/
baking product packaging/
protective film/trash bag/
envelope bag

搬运袋 / 重载包装袋/
服装袋 / 收缩膜 / 谷物膜 /
密封包装/自立袋 / 热收缩膜/
气垫包装 / 食物袋 / 压缩包装

carry bag/heavy duty bags/
garment bag/shrink film/grain film/
sealed bag/stand up pouch/
heat shrinkable film/air cushion
packaging/food package/
compression packing bag

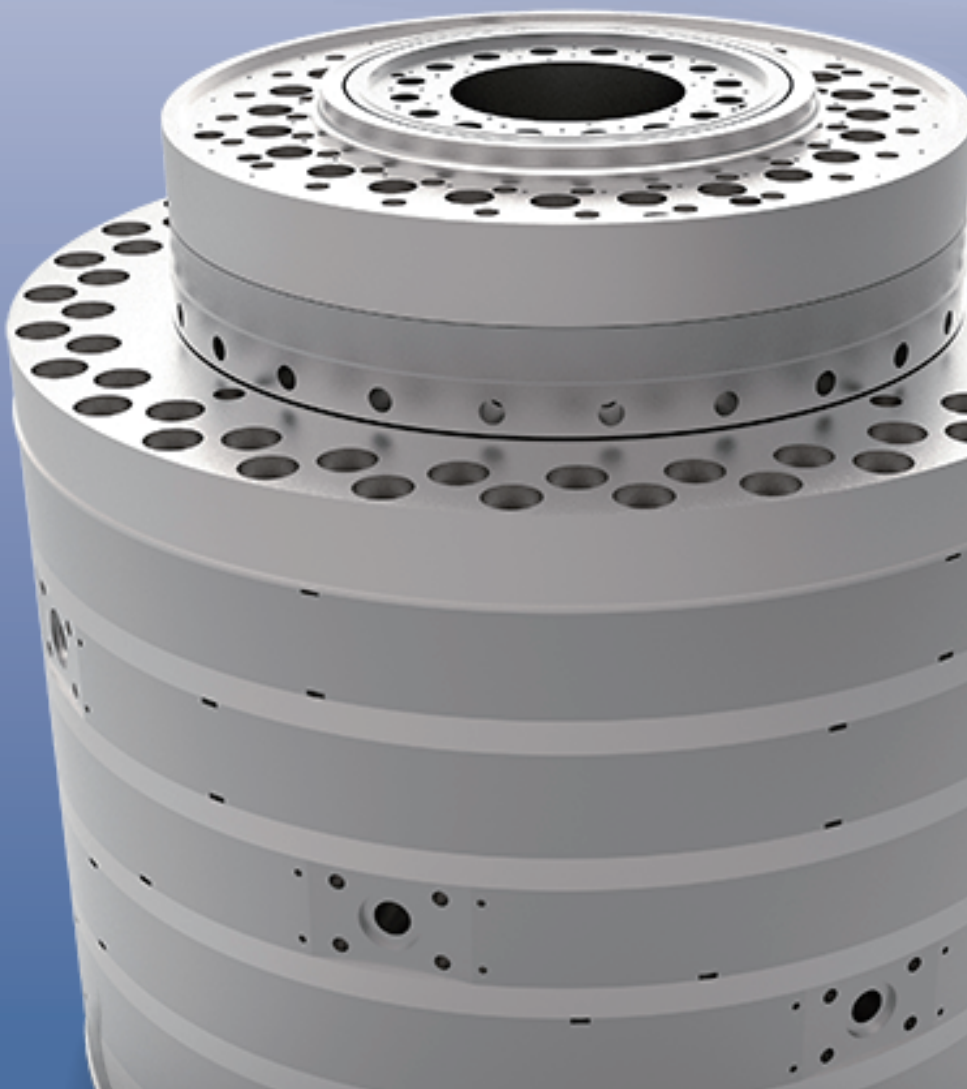


Unparalleled film quality Perfect flatness

Plastar provides all the products needed in the blown film production line, from the feed system to the film rewinder, the single-layer die head to the 11-layer production line, the variable frequency controller to the process control system. The high quality film comes from Plastar superimposed taper series die head, it has the leading patented technology, the most compact die head structure and the shortest cleaning time efficiency of 3-11 layer die head in the market. All of these due to the each excellent component apply to the production line, which enables us to ensure a high standard production line that can meet the special cost and energy efficiency requirements of customers' products in combination with production requirements in the production of thin film.

无以伦比的薄膜质量 完美的平整度

奥翔提供吹膜生产线所需的所有产品,从进料系统到薄膜收卷机,从单层模头到 11 层生产线,从变频控制到工艺控制系统等。高品质薄膜的生产,来自于奥翔叠加系列模头,它拥有领先的专利技术,这体现于在最紧凑的模头结构中拥有市面上最短的模头清理时间。这一切得益于我们应用于生产线的出色质量部件,它保障我们的每一条生产线的高标准,在薄膜生产中可以结合生产需求,适应客户产品特殊的成本和能源效率要求。



UNIQUE LAYOUT OF BLOWN FILM LINE,CUSTOMIZED PRODUCTION MEETS YOUR NEED

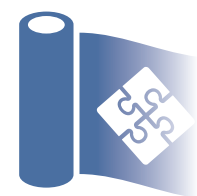
独特布局的吹膜生产线，定制化生产满足您的需求

因为专业和一贯的付出

在吹膜市场，我们坚守着信念，一直在研发新的生产方法，投资先进的生产技术，并且与先进的实验室分工合作。同时将成果转化，应用于我们的生产线中以确保我们生产出的吹膜设备满足质量要求。

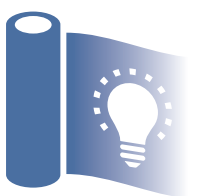
Plastar keeps the faith in blown film market and is always developing new production methods, investing superior production techniques and cooperating with advanced laboratories. Meanwhile convert the achievements into production line to ensure that the blown film machine produced by us meet the quality requirements.

How to be flexible ? 我们如何为你灵活变通？



PERFECT FIT 完美的配合

Our products are customized for various customers.
我们的产品是为各种各样的客户需求量身定做的。



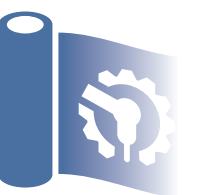
ADVANCED IDEAS 先进的思想

Our experienced R&D personnel use the latest technology to predict and solve problems.
我们富有经验的研发人员用最新的技术预测和解决问题。



WHATEVER YOUR NEEDS 量身定制

Our service team is ready to serve you and willing to listen you.
我们的团队竭诚为您服务，并愿意倾听您的意见。



FROM EXTRUSION TO PRODUCTION 从挤压到产品

Our state-of-the-art facility is capable of handling your biggest challenges.
我们最先进的设备可以处理您的最大的挑战。

Quality and efficiency reflected in details 质量和效率体现于微小的细节

工程组织、研发、生产和调试——我们向您提供完整的一站式打包服务。得益于奥翔吹膜生产线和系统，它使您从最初的试验到最终的生产一直都在安全可靠范围内。在您项目的每一个阶段，我们都将紧密的共同合作，以确保您的产品既满足您当前的需求，同时又足够满足您未来的需求。

Plastar-Provides one-stop service, including engineering organization, R&D, production or commissioning. Thanks to Plastar blown film production line and system, it will keep the whole process in safe condition, from the initial test to final product. Plastar will work together with you to make sure your product is and always will be meet your demands.

MONO AND 3 LAYERS BLOWN FILM LINE

单层和三层生产线
卓越质量薄膜设备

奥翔单层薄膜生产线可以生产灵活和卓越质量的薄膜。我们一直系统地改进这一技术。使用我们的单挤出机和标准内置屏障式螺杆，不仅可以加工标准的PE材料，还可以加工如生物聚合物等的原料。

Plastar have been systematically improving single layer blown film line so that it can produce flexible and excellent film. With Plastar single extrusion and barrier screw, not only standard PE material could be processed, but also other raw material like biopolymer.

As standard solutions
can no longer meet the needs of customers.
we will offer tailor-made configuration
according to the demands.

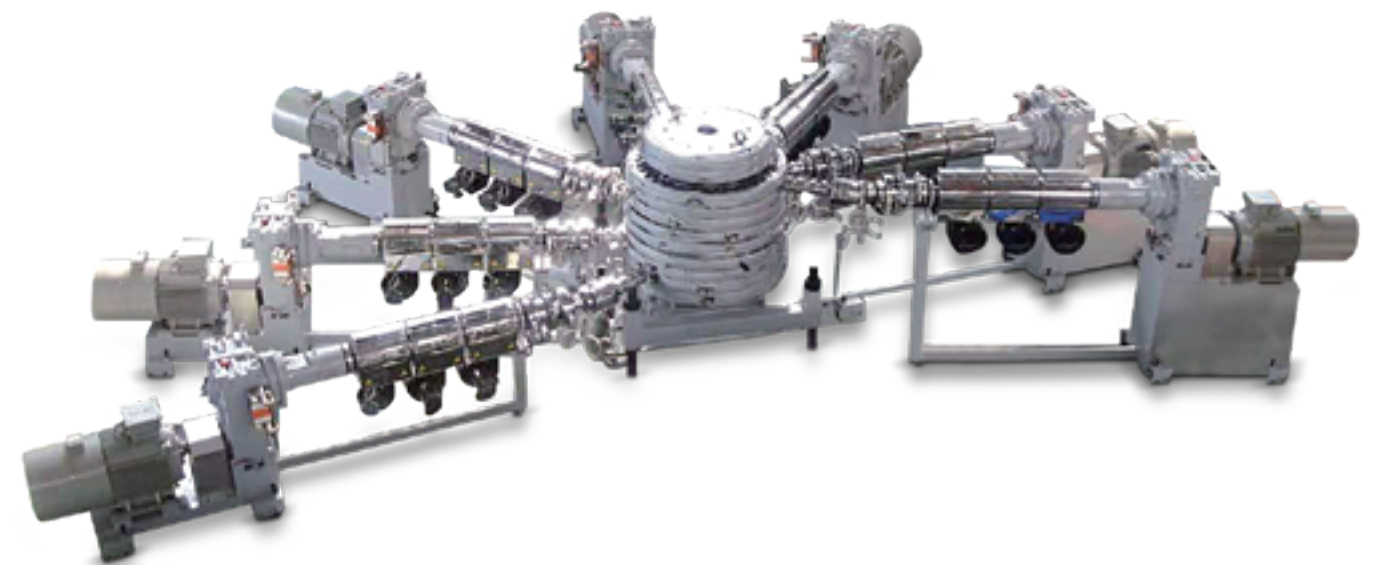
对我们来说，标准的解决方案已经无法满足客户的需求。
我们根据客户的要求定制个性化配置。

可靠、高效、定制化生产
3 层吹膜生产线

我们已经交付了大量的 3 层薄膜生产线，所有设备均是量身定制，以满足我们客户的需求。持续优化的生产能源和原材料消耗技术，使得我们的三层共挤技术一如既往的可靠和高效。对于您未来的项目，奥翔能够保证展示高效表现。

Reliable, high efficiency, customized production
3 layers film blowing production line

A large number of 3-layer film production line have been offered to customers, all of them are customized to meet their needs. Due to continuous optimization of energy and raw material consumption, our 3-layer co-extrusion technology is always reliable and efficiency. With Plastar machinery, we assure you that your future project will have a good performance.



OUTSTANDING 5-9 LAYERS CO-EXTRUSION BLOWN FILM LINE

卓越的5–9层共挤薄膜生产线

Multi-layer flexible packaging films are in demand around the globe and require specialty barrier extrusion lines. These products prevent the permeation of oxygen, nitrogen, carbon dioxide and water vapor. They also protect the aromas and flavors of the finished product. Barrier films are produced on 5-, 7-, 9-or 11-layer lines – the more layers the more options for you to engineer and tailor your film products, while saving raw material costs.

软包装薄膜正被全球市场广泛所需,这也是对专业的阻隔膜挤出生产线的需求。阻隔膜能阻止气体的渗透,如氧气、氮气、二氧化碳和水蒸气等。与此同时,也能有效维持产品的香气和味道。5 层、7 层、9 层或是 11 层都能生产阻隔膜,层数越多,您最终产品的选择性就更多,原材料的成本也更节省。除此之外,高层数增加了您抓住未来发展的机会和提升目前市场需求的机会。

5 - layer blown film line, an investment for the future

There is a trend change about production line from 3 layers to 5 layers when the latter emerge. Plastar basic 5 layers production line use die head which includes outside layer and barrier layer. It has the function to optimize the range of thickness tolerance, which ensure the production line produce perfect PA/EVOH barrier film and PE film. Besides, it can also produce 3 layers film according to your requirements.

5 层吹膜生产线一项对于未来的投资

在 5 层生产线第一次出现时,就显现出吹膜生产线从 3 层到 5 层转变的趋势。奥翔基本的 5 层吹膜生产线采用的模具包含“表皮层”和“阻隔层”的模头布局,这是一项对未来投资的技术。因为它具有优化产品的厚度偏差范围的功能,能确保吹膜生产线生产出完美的阻隔膜或者 PE 膜。5 层生产线既可以生产 PA 或 EVOH 阻隔膜,又可以按照您的要求精密生产 3 层膜。是一个开辟理想应用的新方式。

7- AND 9-LAYER BLOWN FILM LINE

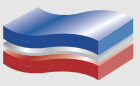
Plastar produced 7- and 9-layer blown film line for high barrier film, including barrier film use PA, EVOH, standard materials and special materials. It can enable you to stand in the growing market challenges.

7 层和 9 层吹膜生产线

应对有复杂需求的高阻隔膜,包括由 PA、EVOH 以及所有标准和特殊原料所吹制的高阻隔膜,奥翔生产配备了七层、九层吹膜生产线,使您能屹立于愈发激烈的市场挑战中。当然,这些生产线都适用于对称或非对称薄膜生产要求。


案例: 3层良好收缩膜

EXEMPLE COMPOSITE LAMINE TRIPLE COUCHE

3-LAYER					
	厚度:35µm	A	20 %	80%LLDPE+20%LDPE	–易于挤出, 高产量
		B	60 %	80%LDPE+20%EPE	–出色的紧致性、抗撕裂性和抗穿刺性能
	层分:20%—60% -20%	C	20 %	80%LLDPE+20%LDPE	–很好的平衡了硬度和视觉性
					–easy extrusion, high output
					–good shrinkage and transparency
					–excellent tension, tear resistance and penetration resistance


案例: 5层膜

EXEMPLE COMPOSITE LAMINE TRIPLE COUCHE

5-LAYER					
	厚度:40 µm 复合膜	A	22%	80%mLLDPE+20%mPE	–出色的紧致性、抗撕裂性和抗穿刺性
		B	9%	100 % mLLDPE	–完美的视觉性
	层分:	C	38%	100 % LDPE	–良好的热封性和热粘性(用于高产量)
	22%-9%-38%-9%-22%	D	9%	100 % mLLDPE	–good transparency
		E	22%	80%mLLDPE+20%mPE	–high viscosity and heat-sealing performance
					–excellent tension, tear resistance and penetration resistance


案例: 7层牛奶膜(阻隔膜)

EXEMPLE COMPOSITE LAMINE TRIPLE COUCHE

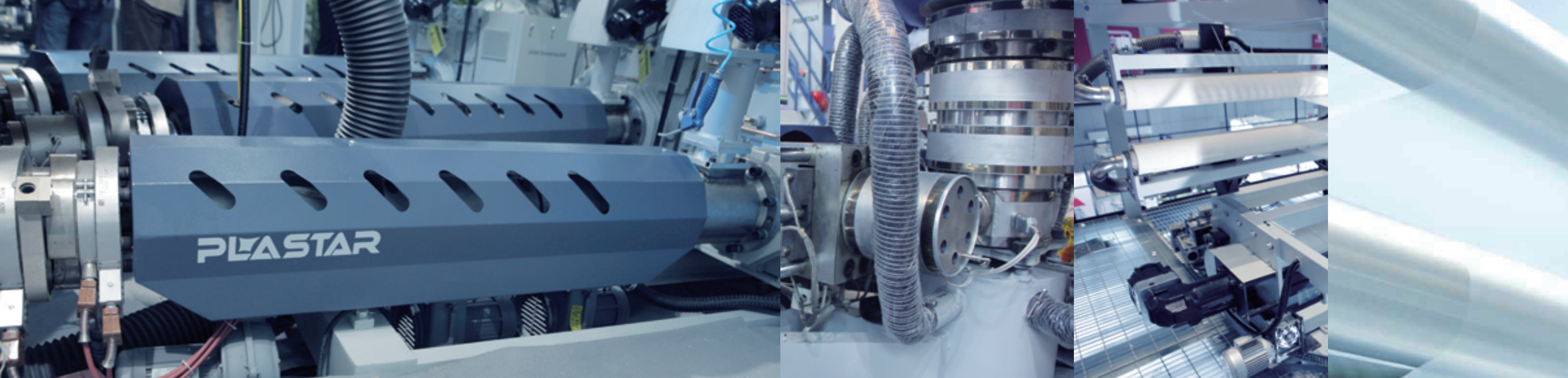
7-LAYER					
	厚度:80 µm 复合膜	A	26%	100 % POP	–高阻隔性, 得益于EVOH复合层
		B	19%	88%LDPE+12%blackMB	–出色的抗紫外线性能
	层分:	C	6%	100 % Tie	–非常良好的热封性和热粘性, 得益于POP
	26%-19%-6%-4%-6%	D	4%	100%EVOH38%	–excellent UV resistance
	-16%-24%	E	6%	100 % Tie	–good viscosity and heat-sealing performance
		F	16%	80%LDPE+20%whiteMB	–high barrier property due to EVOH compound layer
		G	23%	80%LLDPE+20%whiteMB	

案例: 9层复合膜(高阻隔膜)

EXEMPLE COMPOSITE LAMINE TRIPLE COUCHE

9-LAYER					
	厚度:30 µm 复合膜	A	13%	90%mLLDPE+10%LDPE	–出色的紧致性、抗撕裂性和抗穿刺性, 得益于LLDPE
		B	25%	80%LLDPE+20%LDPE	
	层分:	C	5%	100 % Tie	–高阻隔性, 得益于EVOH PA–PE复合层
	13%-25%-5%-5%-4%-5%	D	5%	100 % PA 6.66	–无敌的复合性能, 得益于mL LDPE
	- 5%-25%-13%	E	4%	100%EVOH32%	和低的熔点温度
		F	5%	100 % PA 6.66	–high barrier property
		G	5%	100 % Tie	–good composite properties
		H	25%	80%LLDPE+20%LDPE	–excellent tension, tear resistance and
		I	13 %	90%mLLDPE+10%LDPE	penetration resistance





HIGH-PERFORMANCE EXTRUDERS

高性能挤出机



For more cost-effective film production

High performance extruder is a standard option for all Plastar blown film production line. With a full range of diameter—45, 50, 65, 70, 90, 105, 120, 135 and 160mm, Plastar extruder can be used in production line from mono layer to 11 layers. This modular design allows unique layout of production line, so can meet the demand of output. We use high performance barrie type and multi low shear mix type screw, which can well show the homogeneity and plasticizing quality. All designs pursue energy efficient and reliability to achieved the strictest technology requirement. Of course, it can provide maximum output while processing a wide range of raw materials.

更有成本效益的薄膜生产

高性能的挤出机是奥翔所有吹膜生产线的标准选择。奥翔挤出机备有全系列的直径型号：45、50、65、70、90、105、120、135 和 160mm，均可配置于从单层到 11 层的生产线中。这种模块设计允许独特的生产线布局，满足薄膜产量的要求。我们采用高性能屏障式和多级低剪切混合式螺杆，可以完美地展现螺杆的均质和塑化质量。所有的设计均围绕着能源高效和可靠性，以达到最严格的技术要求，确保提供最大的产出能量，适合最广泛的原材料加工范围。

Unique replacement filter

To satisfy different needs, Plastar provides a perfect screen changer system - mandrel filter screen and large area filter screen, hydraulic screen changer and fast manual type screen changer. For example, the hydraulic screen changer is especially ideal for machinery to machining HDPE and recycle materials. And the fast manual screen changer is mainly applied to co-extrusion system for changing the screen more quickly.

独特的换网器

针对您的应用，奥翔提供完美的换网系统——芯棒换网器、超大面积换网器、液压换网器和手动式快速换网器。例如超大面积换网器特别适用于加工高密度 PE 和回收料的机器。而手动式快速换网器和液压换网器则主要用于共挤系统，因为在这些地方更快速的换网时间往往是最重要的。

Precision measurement

Plastar dosing system is a perfect precision measurement system. With multiple weight system, it has all the advantages that advanced measuring system have. Additives and mixed materials can be load to up to 9 components, all processes are measured accurately. The system does not run according to material density but to the mass conservation principle of “weightlessness” .Its special feature is the short switching time in the production process.

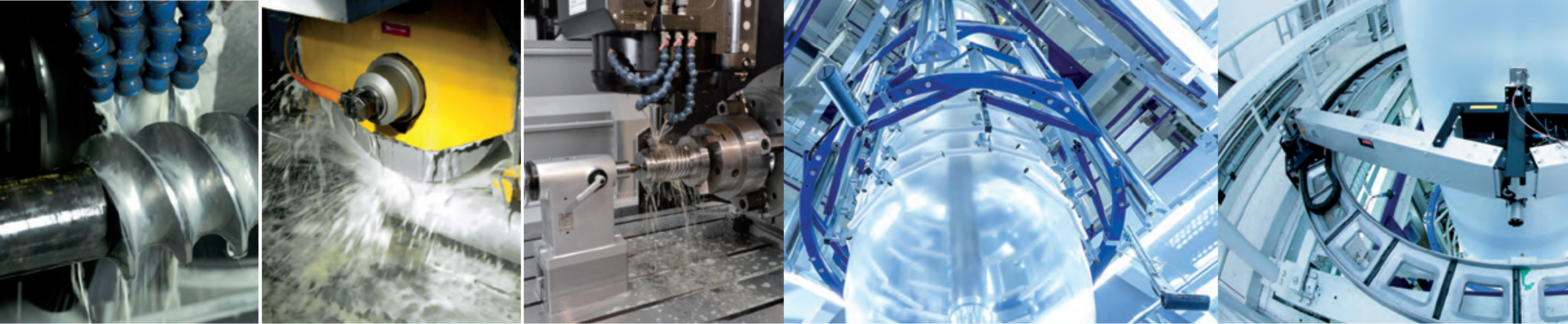
精密的计量

我们的米重系统是完美的精密计量系统。多个称重传感器称重系统的配置，确保它拥有高级测量系统的所有优点。添加剂和搅拌过的原料添加最多可达 9 组分，全部过程经过精密计量。系统不依据原料的密度运行，而按照“失重”的质量守恒原则。它的特别之处在于生产过程中极短的切换时间和应对环境(电压变化，螺杆磨损，过滤器的持续性堵塞等)变化始终如一的薄膜规格的能力。

More advantages

更多优点

- Direct drive with multiple speed changes
- Maintain constant torque in a wide speed range
- Minimum wear and maintenance
- Low noise and low vibration
- Compact u-type layout (standard design) or z-type layout (special options)
- Easy access and assembly
- Water - cooled motor as an option
- 带多级变速的直接驱动
- 在一个宽广速度范围内保持恒定扭矩
- 最小的磨损和最少的维护
- 低噪音和低震动
- 紧密的 U 型布局(标准设计)或 Z 型布局(特别选项)
- 易于进出和组装
- 水冷马达作为选配项



THE DIE

模头系列



The spiral distributor provides a high melt homogeneity

螺旋体提供了一个高度均质的熔体

Patented technology, unique runner design

专利的技术，独特的流道设计

Plastar patented multi-layer die technology is the key to make you film excellent. The research and development of our pyramid superposition adopts 3D fluid simulation design system. To have stable melt flowability and plasticizing homogeneity, melt feeding points in the spirochete are optimized. It eliminates the streaks of film during co-extrusion process, which makes film have superior visual effect and impressive thickness tolerance - even for individual layers. With our die head, even under high extrusion rate, the film is still flat, and cleaning time could be the shortest when the raw materials are changed. All of these are the essential elements for a high quality film.

我们专利的多层模具技术，是使您薄膜质量与众不同的关键。奥翔锥体叠加模头的研发，采用了具有艺术品般的计算机3D流体模拟仿真设计。螺旋体中优化布局的熔体进料点，使熔体具有极高的流动性和热塑均匀性，消除了薄膜共挤过程中条线产生的现象。最终即使是单独的每层薄膜，也拥有出众的视觉效果和令人惊叹的厚薄公差。配备了我们模具的吹膜机，即使是在高挤出率的情况下，薄膜也能平整，并且在更换原料时依然可以用最短的清料时间。这些性能都是卓越模具的优秀元素。

High efficiency cooling systems are used for maximum yield

The cooling system is improving to accommodate your production line. Each cooling system has a bubble internal and external cooling. The reliability tested cooling system provides efficiency membrane cooling performance, which offers high-yield production.

应用于高产量的高效冷却系统

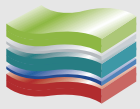
我们不断改进冷却系统以适应您的生产线布局。每一个冷却系统都有一个膜泡内部和外部冷却。经过可靠性测试的冷却系统，为每一台生产设备都提供了高效的冷却性能，极大提高了最终产量。

More advantages

更多优点

- Reduced raw material loss during material changeovers
- High output benefit from low pressure of die head
- Easy access for cleaning
- All contacting surfaces are coated and hand polished
- Self-cleaning design ensures maximum uptime due to reduced die clean intervals
- Large area intermediate path allowing IBC internal bubble cooling
- Unique raw material heat treatment technology, quality at the same in the long-term cooling or heating
- 在换料过程中,极短的流道降低了原料损失。
- 高的产量,得益于模具中的低压力水平。
- 易于进出,得益于紧凑的设计和低净空。
- 所有跟树脂接触的表面都涂覆处理。
- 自清洁功能确保了生产线的高适用性,得益于极少的堆积。
- 大面积的中间通道,允许 IBC 内部膜泡冷却。
- 独有的原料热处理技术,在长期的冷却加温中品质如一。

5-LAYER



SJ-5L1500

Five-layer co-extrusion blown film machine
五层共挤吹膜机



Characteristic

Five-layer co-extrusion adopts easy batch and ISMD high torque servo direct drive motor. The Easy batch mixer can mix various raw materials according to the need of the weight proportioning during the extrusion process, and also control the extruder screw speed and traction roller speed to control extrusion amount and per meter weight. The easy batch system can be controlled by remote terminal automatic operation. the display can show all the program data, at the same time the operator can control the entire equipment or each independent part on the special area of touch screen on the main controller panel. ISMD series high torque servo direct drive motor adopt direct drive motor without gearbox system.

Compared with the traditional asynchronous motor or a DC motor with gearbox system, the advantage is save cost by replacing the speed reducer; reducing noise; the whole speed range, wide load range to maintain high efficiency; high power factor; improving the dynamic response; compacted structure to reduce the volume of the equipment and save covering space; improve the control precision and product quality; to improve the MTBF (mean normal running time) index; greatly reducing maintenance workload; it is convenient for screw disassemble.

特点

我司生产的五层共挤吹膜机采用增重失重一体式混合机和 ISMD 系列高扭矩直驱伺服电机。增重失重一体式混合机能够把挤出制程上多种组分的原料按需要的重量进行配比计量混合，并控制挤出螺杆转速和牵引辊速度来达到恒定挤出总量和米重，增重失重进料系统还能通过远程终端自动操作。显示屏能显示所有的程序数据，同时触摸屏主板上的专门区域使操作员能控制整个设备或每个独立部分。

ISMD 系统高扭矩直驱电机无齿轮传动系统，相较于传统异步电机或直流电机带减速箱系统，它的优势在于：取代减速机构，节约设备成本；降低噪音；全速度范围、宽负载范围内保持高效率；功率因数高，提高动态响应；结构紧凑，减小设备体积以及占地面积；提高控制精度，提升制品品质；提升 MTBF（平均无故障时间）指标；大大减少日常维护工作量；螺杆拆装方便。

五层吹膜机主要技术参数

MAIN TECHNICAL PARAMETERS

	Film width Max.output Film thickness Auto loader	产品宽度 最大挤出量 产品厚度 自动吸料机 (容积式配合装置)	—1500mm —350kg/h —0.03-0.2mm —330 X 5sets	
EXTRUDER 挤出机	Screw diameter L/D Screw material Cylinder material Cylinder heating zone Main motor	螺杆直径 螺杆长径比 螺杆材料 料筒材料 机筒加热区数 直驱电机	—Φ55mm X 4 Φ60mm —30:1 —38 CRMOALA —38 CRMOALA —4 —22kw X 4 30kw	
DIE HEAD 模头	Die size Heater materials The material of nose	模头直径 加热器材料 机头材料	—Three layer with inner-cooled device —Double layer stainless steel heater —Flow chaneel with hard chrome plated	Φ400mm五层带内冷装置 不锈钢双层加热 40Cr膜头内流道镀硬铬
TAKE UP UNIT 牵引装置	Steel-frame structure Roller length Effective width of film Roller material Traction motor UP Traction rotary motor Air blower Down traction motor Material of gusseting boards Max inclined angle (adjustable) Edge Correction system	钢架结构 牵引辊长度 有效引取膜宽 牵引辊材料 牵引电机 上牵引旋转电机 鼓风机 下牵引电机 人字板装置材料 最大夹角(可调) 纠边	—Safety guard —1700mm —1500mm —Nitrile butadiene rubber roller —Three-phase asynchronous motor —Three-phase asynchronous motor —1.1kw X 2sets —2.2kw —The aluminum frames —22° —Automatic edge machine with gas pressure type	设有安全操作平台及安全护栏 丁腈橡胶辊 2.2kw 三相异步电机变频器 2.2kw 三相异步电机变频器 铝制结构框架 采用汽油压式自动对边机 (型号model: 905-e-a)
EXTRUDER 收卷装置	Type of winding PLC Winding motor	收卷形式 收卷电机	—Surface friction type with double winding automatic winding, on-line changing and unloading. —PLC control system from Japan Mitsubishi. Mitsubishi module. —2.2kw X 2sets	摩擦式双收卷，全自动收卷，换卷，卸料 采用日本三菱PLC控制，三菱模块
	Rewinding speed Unloading Total power Average power-consumption Dimension(L X W X H)	卷曲速度 卸料 总功率 平均耗电量 外形尺寸(长x宽x高)	—5-45m/min —Unloading is used for oil pressure(oil cylinder) —200kw —80kw —10.0 X 6.0 X 10.5m	油压式（油缸）

