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INTELLIGENT

ENERGY SAVING

HIGH SPEED

JWELL MACHINERY

金纬机械吹膜解决方案

金纬机械 智能制造

JWELL MACHINERY INTELLIGENT MANUFACTURING

JWELL FILMTEC 是金纬机械旗下的又一个重要发展战略中心和制造基地，位于浙江省嘉兴市海宁斜桥工业园区。公司专注于塑料薄膜挤出设备的设计、研发与制造。公司产品已遍布全国各地，并出口到印度、韩国、印尼、中东、非洲、南美洲、西班牙、意大利等100多个国家和地区，深受客户好评。

JWELL FILMTEC is another important strategic development center and manufacturing base of JWELL Machinery. It is located in Xieqiao Industrial Park, Haining, Zhejiang Province. We focuses on the design, development and manufacturing of cast film extrusion equipment.

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国内工厂 Domestic Factories



ZHEJIANG ZHOUSHAN
浙江舟山



SHANGHAI JIADING
上海嘉定



SUZHOU TAICANG
苏州太仓



GUANGDONG DONGGUAN
广东东莞



CHANGZHOU LIYANG
常州溧阳



ZHEJIANG HAINING
浙江海宁



TAICANG NANJIAO
太仓南郊



ANHUI CHUZHOU
安徽滁州



ANHUI QUANJIAO
安徽全椒



LIYANG SHANGXING
溧阳上兴



FOSHAN KAUTEX
佛山考特斯

国外工厂 Overseas Factories



Thailand
泰国曼谷



Spain
西班牙瓦伦西亚



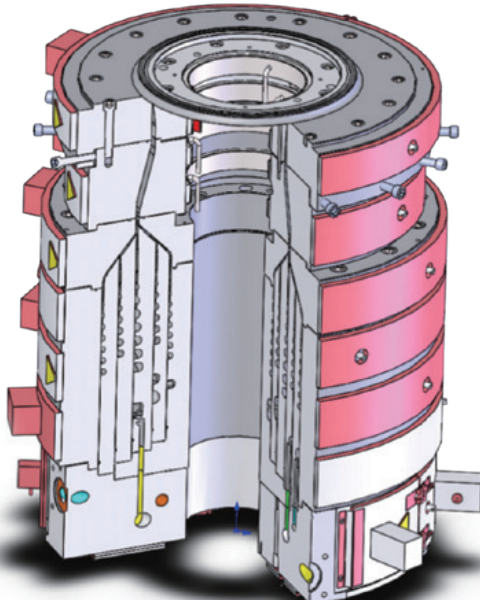
Germany
德国考特斯

三层/五层 标准型吹膜线
3/5-layer Classical Blown Film Line



- **更广泛的加工适应性**
Wider processing adaptability
本机组采用独特的螺杆结构，针对HDPE、LDPE、LLDPE、mLLDPE、EVA、EVOH、PA、TIE等原料进行特殊的优化设计，能够获得更好的塑化效果及挤出稳定性。
This unit adopts a unique screw structure and specially optimized design for raw materials such as HDPE, LDPE, LLDPE, mLLDPE, EVA, EVOH, PA, TIE, etc., which can achieve better plasticizing effect and extrusion stability.
- **更低的能耗比**
Lower energy consumption ratio
本机组采用保温型加热圈、节能型驱动电机，并采用更高精度等级的加工及装配方式，使得每吨制品的能耗较传统机型降低约20%。
This unit uses a heat-insulating heating ring, an energy-saving drive motor, and adopts higher-precision processing and assembly methods, which reduces the energy consumption per ton of products by about 20% compared with traditional models.
- **优质的薄膜品质**
Excellent film quality
优秀的设计，高精度的加工装备，可有效确保薄膜制品的基础精度。
Excellent design and high-precision processing equipment can effectively ensure the basic accuracy of film products.

- 独特的圆模头，经过优化设计及流体仿真，确保出料均匀；
Unique blown-die, optimized design and fluid simulation to ensure uniform material discharging;
- 自动风环，结合金纬机械自主开发的控制系统，能更精确的控制薄膜的厚度偏差；
The automatic air ring with JWELL control system can more accurately control the thickness deviation of the film;
- 金纬具有几十年的螺杆结构设计经验，确保高产、高效；
Jwell has decades of experience in screw structure design to ensure high productivity and efficiency;



- 我们有高端的加工设备，确保核心零部件的加工精度；
We have high-end CNC equipment to ensure the precision of the core parts;
- 我们有成熟的设计团队，确保生产线更加智能、更加高效、更加稳定。
We have a mature design team to make the blown film line smarter, more efficient and more stable.
- 金纬在全球有14个生产基地，实现高效的资源整合和售后服务。
Jwell has 14 production bases all over the world to achieve efficient resource integration and after-sales service.

生产线规格型号 | Blown Film Line Specification

机型 Model	制品宽度 Lay flat mm	制品厚度 Thickness mm	分层方式 Layer structure	装机功率 Total power kW	最大产量 Max. capacity. kg/h
JBF-1600-3/5X	1400	0.03-0.2	A/B/C & A/B/C/D/E	250-300	300-400
JBF-1800-3/5X	1600	0.03-0.2	A/B/C & A/B/C/D/E	300-350	400-500
JBF-2300-3/5X	2100	0.03-0.2	A/B/C & A/B/C/D/E	250-300	500-600
JBF-2800-5X	2600	0.03-0.2	A/B/C/D/E	350-450	600-800

7层/9层/11层阻隔膜吹膜线
7/9/11 Barrier Blown Film Line

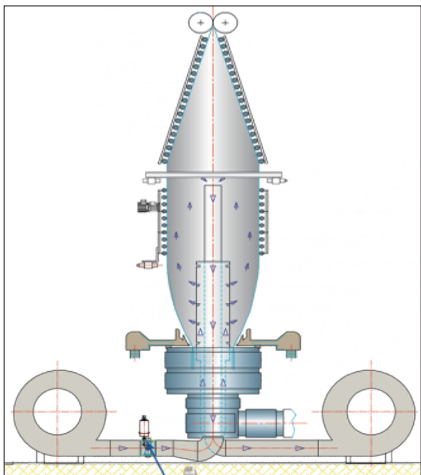


设备特点

Greentec系列七/九层共挤高阻隔薄膜生产线采用特殊设计的螺杆机筒与模具，可以加工PA、EVOH等树脂材料,使生产出的薄膜制品具有优异的气体阻隔性能，能有效阻断氧气、氮气、二氧化碳、水蒸气的渗透，满足不同用户对于保鲜、气密性、防腐防潮的各类需求。整机同时配备有自动风环、在线测厚系统、失重喂料系统，这些辅助配置可以有效提高薄膜产量与厚薄均匀度。

Equipment features

The Greentec series 7/9-layer co-extrusion high-barrier film line uses specially designed screw barrels and dies, which can process resin materials such as PA, EVOH, etc., so that the film products produced have excellent gas barrier properties and can effectively block oxygen. The penetration of nitrogen, carbon dioxide and water vapor meets the various needs of different users for freshness, air tightness, anti-corrosion and moisture-proofing. The whole machine is also equipped with an automatic air ring, an online thickness measurement system, and a weightless feeding system. These auxiliary configurations can effectively improve film output and thickness uniformity.

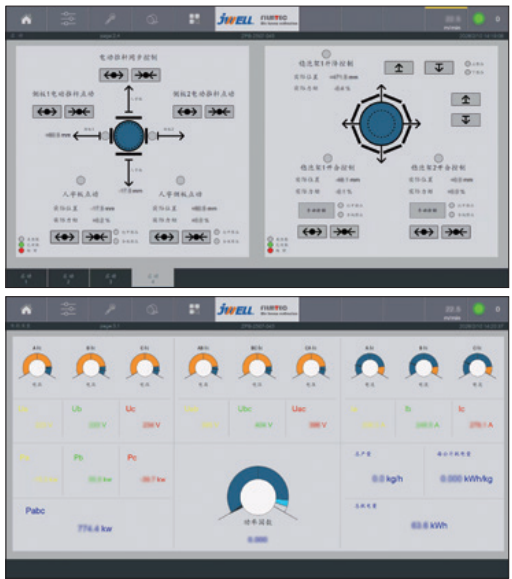


IBC 膜泡内冷系统
IBC inner bubble cooling system

- 采用线性可变温控技术，使得膜泡内部冷却空气温度控制精度得到提高，从而有效控制薄膜收缩量；
Using linear variable temperature control technology, the temperature control accuracy of the cooling air inside the film bubble is improved, thereby effectively controlling the amount of film shrinkage;
- 特殊设计的结构，有助于出风均匀，确保薄膜厚薄的均匀；
The specially designed structure helps the air flow out evenly and ensures uniform film thickness;

JBF-AI 操作系统
JBF-AI operating system

- 具有更加直观的可视化操作性；
With more intuitive visual operation.
- 具备更加优化的整线闭环控制能力；
More optimized closed-loop control of the entire line.
- 简约的画面、简洁的逻辑关系，更加符合洁净室级的操作要求。
Simple images and concise logical relationships are more in line with clean room-level operating requirements.



制品用途：
设备可用于生产冷鲜阻隔包装、熟食阻隔包装、医用阻隔包装等。

Product purpose:
The equipment can be used to produce barrier packaging for cold and fresh food, barrier packaging for cooked food, medical barrier packaging, etc.



生产线规格型号 | Blown Film Line Specification

机型 Model	制品宽度 Lay flat mm	制品厚度 Thickness mm	分层方式 Layer structure	装机功率 Total power kW	最大产量 Max. capacity. kg/h
JBF-1600-7/9X	1500	0.03-0.2	A/B/C/D/E/F/G & A/B/C/D/E/F/G/H/I	250-300	200-300
JBF-1800-7/9X	1600	0.03-0.2	A/B/C/D/E/F/G & A/B/C/D/E/F/G/H/I	300-350	300-400
JBF-2300-7/9X	2100	0.03-0.2	A/B/C/D/E/F/G & A/B/C/D/E/F/G/H/I	250-300	400-500

3/5层冷拉伸套管膜吹膜线 3/5 Layer Stretch Hood Blown Film Line

生产线特点

- 整线PLC控制和伺服电机驱动全部采用西门子最新系列，确保高精度，高效；
- 自动风环，德国全套进口测厚控制系统；
- 针对冷拉伸套管膜设计的专用螺杆以及模具流道；
- 模具加工采用进口超高精度五轴加工中心加工；
- 全自动中心表面收卷机，自动换卷/自动上卷；
- 收卷根据卷径大小锥度张力控制，保证收卷平整，尤其是大直径收卷，膜卷直径变大之后保证膜卷张力；
- 张力控制采用E+L德国进口张力传感器，张力稳定，波动小，保证薄膜不拉伸变形；
- 两种换卷模式自由切换，方便操作，手动换卷模式和自动换卷模式。自动换卷模式可选长度换卷和直径换卷两种，设定长度和直径后自动换卷，一键操作。

Features

- The entire line adopts the latest Siemens series for PLC control and servo motor drive, ensuring high precision and high energy efficiency;
- Automatic air ring complete set of imported German thickness measurement and control system;
- Die head : Unique technology for blown film processing;
- Fully automatic central&surface winding machine, automatic roll changing/automatic winding/automatic unloading;
- The winding is controlled based on the taper tension of the coil diameter to ensure smooth winding, especially for large diameter winding;
- Guarantee film roll tension as the roll diameter grows;
- Tension control: E+L imported tension sensor from Germany, which ensures stable tension and small fluctuations, ensuring that the film does not stretch or deform;
- The central winding and gap winding modes can be freely switched for easy operation; Surface winding driven by Siemens servo motor; Central winding driven by Siemens servo motor; The automatic roll changing mode can be divided into two options; length roll changing and diameter roll changing, after setting the length or diameter, the roll can be automatically changed with one click operation.



DETAIL DISPLAY 细节展示

全自动中心表面收卷机
全自动换卷
机械手输送
一键操作
Fully automatic central&surface winder
automatic roll changing
robot roll delivery
easy to operation

全自动换卷
方便操作
飞刀断膜
安全保护

Automatic roll changing
easy to operation
flying knife cutting film
safety protection

升降式2+1自动风环
上风环可升降
产能高
膜泡稳定
厚薄均匀
Elevated 2+1 automatic air ring
Elevated upper air ring
high output
stable bubble
good thickness

测厚控制系统
全套德国进口
响应精度高

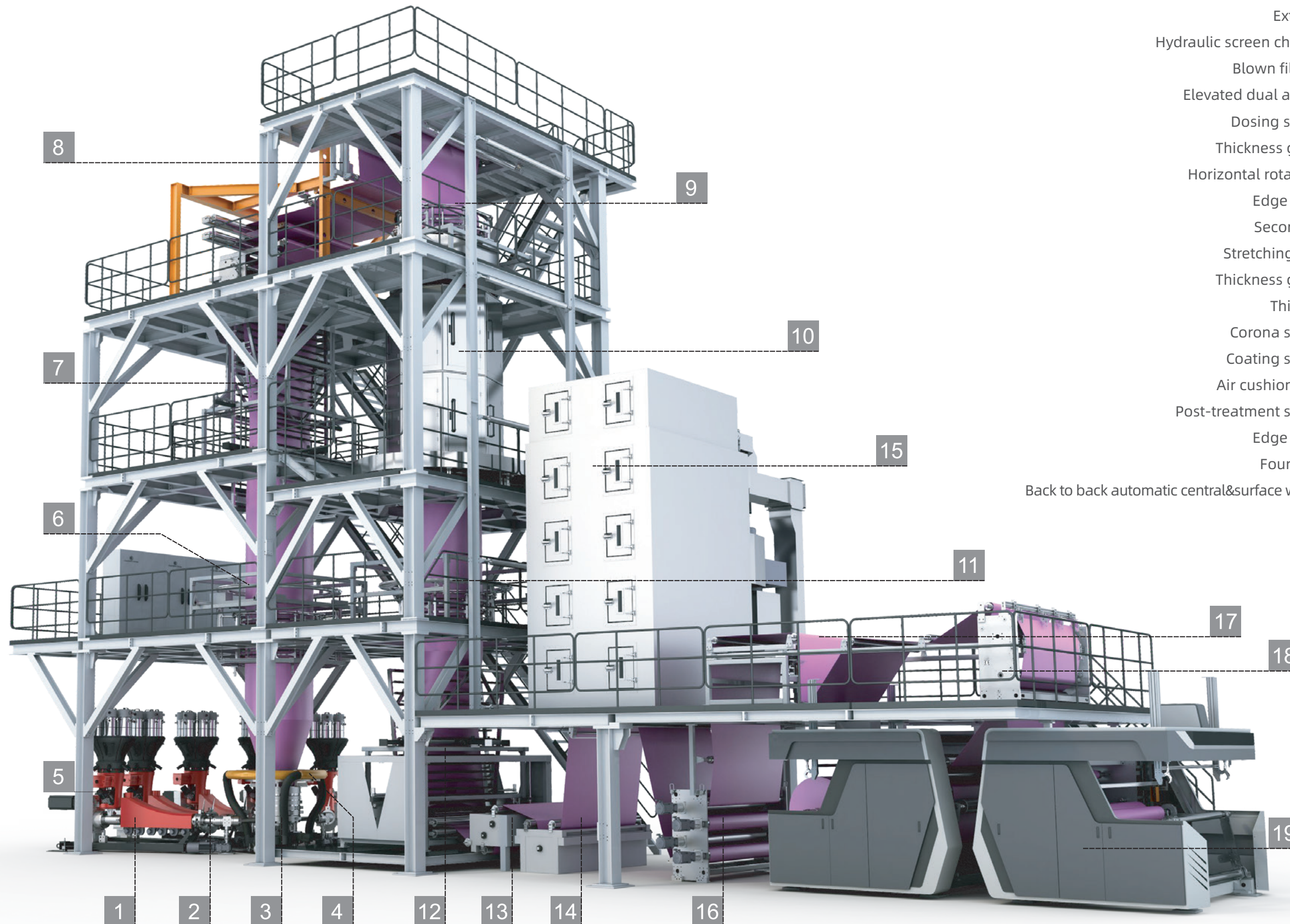
Thickness measurement
imported from Germany
High response accuracy

高产量挤出机
伺服电机直连驱动
特殊设计的专用螺杆

High output extruder
servo motor drive directly
special designed screw



5层共挤在线MDO+在线涂布单一材料高阻隔吹膜解决方案 5 layer Online MDO&Coating Single Material&High Barrier Blown Film Solution



- Extruder 1 挤出机
- Hydraulic screen changer 2 液压换网器
- Blown film die 3 吹膜模具
- Elevated dual air ring 4 升降双风环自动风环
- Dosing system 5 称重控制系统
- Thickness gauge 6 测厚仪
- Horizontal rotary nip 7 水平旋转上牵引
- Edge guide 8 纠偏
- Second nip 9 第二牵引
- Stretching oven 10 拉伸烘箱
- Thickness gauge 11 测厚仪
- Third nip 12 第三牵引
- Corona station 13 电晕部分
- Coating station 14 涂布部分
- Air cushion oven 15 气浮式烘箱
- Post-treatment station 16 后处理部分
- Edge guide 17 纠偏
- Fourth nip 18 第四牵引
- Back to back automatic central&surface winder 19 背靠背全自动中心表面收卷机

FFS重包膜吹膜线 FFS Heavy-duty Film Blown Film Line

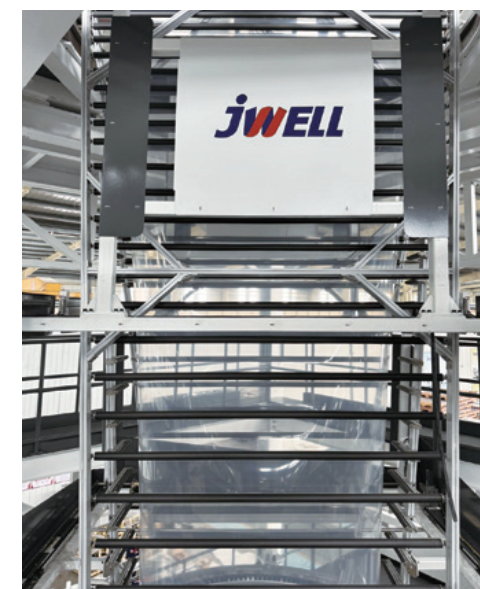
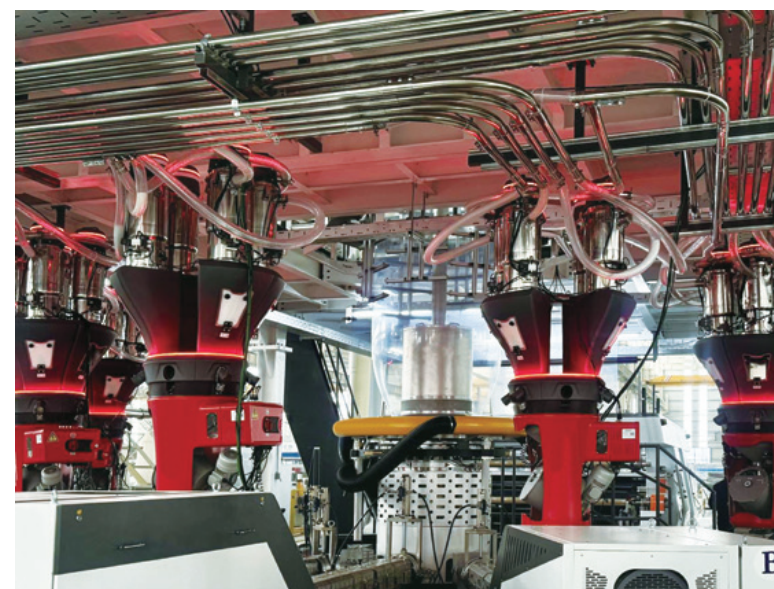
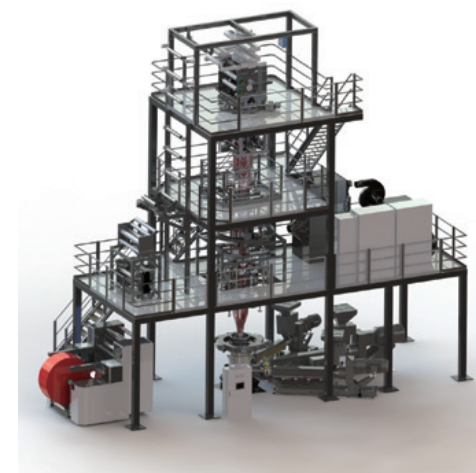


FFS 重包膜吹膜机

FFS 重包膜吹膜机是专门生产FFS 重包装膜的专用吹膜设备，主要用于生产化工、塑料粒子、化肥等重包装用的高强度薄膜。设备采用多层共挤结构，通过多台挤出机将 PE 等原料熔融塑化，经模头挤出吹胀，形成圆筒状薄膜，再经过牵引、定型、收卷，制成可用于 FFS 包装机的重包膜卷料。该机具有膜泡稳定、厚度均匀、强度高、热封性能好等特点，可满足重载、耐穿刺、高密封性的包装要求，适配高速自动化包装线，是重包膜生产的核心设备。

FFS Heavy-duty Film Blown Film Line

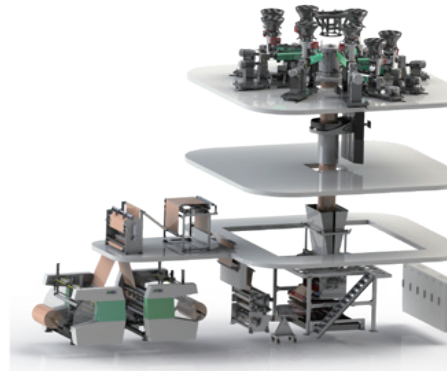
The FFS Heavy-duty Film Blowing Machine is a special equipment for producing FFS heavy-duty packaging film, mainly used to manufacture high-strength film for heavy packaging of chemicals, plastic pellets, fertilizers, etc. It adopts a multi-layer co-extrusion structure. Multiple extruders melt and plasticize raw materials such as PE, which are then extruded and blown into a tubular film through the die head. After traction, cooling, setting and winding, it finally produces heavy-duty film rolls for FFS packaging machines. This machine features stable bubble, uniform thickness, high strength and excellent heat-seal performance. It can meet the requirements of heavy load, puncture resistance and high sealing for packaging, and is suitable for high-speed automatic packaging lines, making it the key equipment for heavy-duty film production.



典型的下吹生产线 Classic Down Blown Film Line

下吹方式特点及优势

- 透明度高、设备高度低、产量高。
- 膜泡稳定性强：不易破裂，受外界环境（如温度、风力）影响小，能保证生产连续性，减少停机损耗。
- 薄膜品质优良：可精准生产较薄规格薄膜，膜厚均匀性优于其他吹膜方式，膜面光滑无折痕，有效提升薄膜透光性、韧性等关键品质。
- 生产效率高效：操作便捷，换膜效率高，可灵活适配多种规格薄膜生产，降低人工操作难度，进一步提升整体生产效率。



Characteristics and Advantages of Downward Blowing Method:

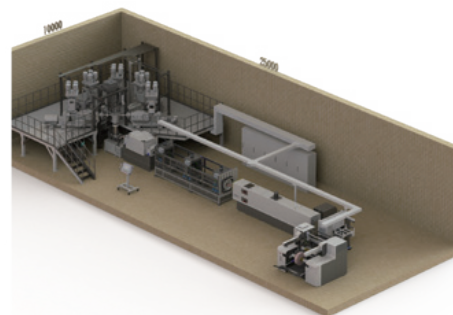
- High transparency, lower equipment height, and high output.
- Strong Film Bubble Stability: Not easy to break, less affected by the external environment (such as temperature and wind), ensuring production continuity and reducing shutdown losses.
- Excellent Film Quality: It can accurately produce thinner films, with better thickness uniformity than other blowing methods, smooth film surface without creases, effectively improving key film qualities such as light transmittance and toughness.
- High Production Efficiency: Easy to operate, high film change efficiency, flexible adaptation to the production of various specifications of films, reducing the difficulty of manual operation, further improving overall production efficiency.

二泡法/三泡法吹膜生产线 Double Bubble/triple Bubble Blown Film Line

工艺先进：采用二次吹胀成形工艺，先经一次吹胀塑化成型，再经二次吹胀拉伸定型，流程科学合理，适配高端薄膜生产需求。

薄膜性能优异：成型后的薄膜透明度高、柔韧性佳，收缩率均匀，耐低温、抗撕裂，同时厚度偏差小，塑化更充分，综合品质远超普通单泡法。

适配性强：可兼容PE、PP等多种原料，灵活生产农膜、热收缩膜等多种产品，且生产过程稳定，减少薄膜瑕疵，提升成品率，适配中高端包装及农业生产需求。



Advanced Technology: Adopting the two-step blowing forming process, first through primary blowing for plasticization and forming, then through secondary blowing for stretching and shaping. The process is scientific and reasonable, suitable for high-end film production needs.

Excellent Film Performance: The formed film has high transparency, good flexibility, uniform shrinkage rate, low temperature resistance and tear resistance. At the same time, it has small thickness deviation and sufficient plasticization, and its comprehensive quality is far superior to that of the ordinary single-bubble method.

Strong Adaptability: Compatible with various raw materials such as PE and PP, it can flexibly produce various products such as agricultural film and heat shrinkable film. The production process is stable, reducing film defects, improving yield, and suitable for medium and high-end packaging and agricultural production needs.

农膜吹膜线 Agriculture Blown Film Line

农膜吹膜机是农用薄膜生产的优选设备，核心优势突出：工艺成熟、操作便捷且高效节能，可灵活生产地膜、棚膜等多种规格农用膜。设备产出的薄膜膜面平整、韧性强、耐老化、透光性佳，适配不同地区农业生产需求，密封保温性优，助力农作物提质增产，广泛应用于各类农田、大棚种植。

Agriculture blown film line is the preferred equipment for agricultural film production with prominent core advantages: mature technology, easy operation and high efficiency and energy saving. It can flexibly produce various specifications of agricultural films such as mulch film and greenhouse film. The film produced by the equipment has a flat surface, strong toughness, aging resistance and good light transmittance, adapting to agricultural production needs in different regions, with excellent sealing and heat preservation, helping crops improve quality and yield, and widely used in various farmland and greenhouse planting.

