

HWYAA[®]

华亚机械

HWYAA MACHINERY

PERFECTION THROUGH INNOVATION
精进于新，成器于臻



PERFECTION THROUGH INNOVATION

精进于新，成器于臻

莱芜华亚超高分子材料科技有限公司于 2010 年创立，自成立起便聚焦高档吹膜机研发，深耕三层、五层、七层、九层上吹、下吹PE/PP/EVOH/PA/PVC/POF等多种薄膜设备领域。

公司凭借对品质的严苛要求，成功通过 ISO9001:2015 国际质量体系认证，40 多项技术成果获国家专利，彰显雄厚技术实力。产品畅销韩韩国、日本、越南、马来西亚、印度、俄罗斯、巴西、尼加拉瓜等多个国家和地区，以卓越品质在国际市场打响“华亚制造”招牌。

公司组建专业研发制造团队，更聘请塑料原料、机械及工艺生产专家担任顾问，为下游客户量身定制薄膜生产工艺技术。秉持“市场导向、客户至上”理念，全体华亚人齐心协力，立志打造国内一流吹膜品牌。热忱欢迎广大客户莅临参观，携手共创吹膜行业新辉煌。





Laiwu Huaya Polymer Sci.& Tech. Co., Ltd. was founded in 2010. Since its establishment, it has focused on the research and development of high-end blown film machines, deeply engaged in the field of three-layer, five-layer, seven-layer, nine-layer up-blowing and down-blowing PE/PP/EVOH/PA/PVC/POF film equipment.

With strict quality requirements, the company has successfully passed the ISO9001:2015 international quality system certification. More than 40 technical achievements have been granted national patents, demonstrating its strong technical strength. Its products are sold well in many countries and regions such as South Korea, Japan, Vietnam, Malaysia, India, Russia, Brazil, and Nicaragua. The "HWYAA Manufacturing" brand has won a good reputation in the international market with excellent quality.

The company has established a professional R & D and manufacturing team and hired experts in plastic raw materials, plastic machinery, and process production as consultants to customize plastic film production process technology for downstream customers. Adhering to the concept of "market-oriented and customer service-oriented", all HWYAA employees work together to build HWYAA into a first-class domestic blown film manufacturing brand. We warmly welcome customers to visit and work together to create a new glory in the blown film industry





1-3 Layers Ordinary
Packaging Film Blowing
Machine

1-3层普通包装膜吹膜机

»» **04-05**



3-5 Layers High-grade
Packaging Film Blowing
Machine

3-5层高档包装膜吹膜机

»» **06-07**



7-11 Layers Downblow Food
Packaging Film Blowing
Machine

7-11层下吹食品包装膜吹膜机

»» **08-09**



3-5 Layers Greenhouse
Film Blowing Machine

3-5层大棚膜吹膜机

»» **10-11**



1-3 layers Agricultural
Mulch Film Blowing
Machine

1-3层农地膜吹膜机

»» **12-13**



6-8 Meters Geomembrane
Film Blowing Machine

6-8米土工膜吹膜机

»» **14-15**

3-5 Layers POF Film Blowing Machine
3-5层POF吹膜机

»» **16-17**

PVC Blown Film Machine

PVC 吹膜机



»» 18-19

Double-color Strip
Blown Film Machine

双色彩条吹膜机



»» 20-21

Double Die-head Film
Blowing Machine

双机头吹膜机组



»» 22-23

PE High-speed Blown
Film Machine Unit

PE 高速吹膜机组



»» 24-25

High and Low Pressure
Ultra-thin Film Blowing
Machine Set

高低压超薄吹膜机组



»» 26-27

Optional Equipment

选择性配置

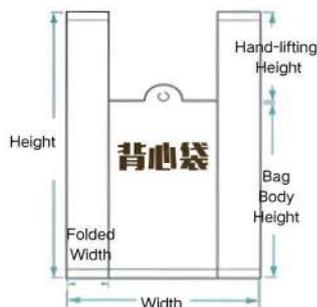


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1-3 层普通包装膜设备

1-3 layers ordinary packaging film equipment

型号	MODEL	■SJ55/65/55 -1600/1800	■SJ65/75/65 -2200	■SJ75/90/75 -2400/2600	■SJ90/100/90 -3200/3300	
基本参数 Basic parameters	适用原料	Suitable Materials HDPE, LLDPE, LDPE, EVA				
	薄膜宽度	Film Width	800-1600mm	1200-1800mm	1400-2200mm	1600-3000mm
	薄膜厚度	Film Thickness	0.02-0.15mm			
	最大产量	Max Output	160-240kg/h	200-260kg/h	220-300kg/h	320-380kg/h
	主电机功率	Main motor power	37kwx2	45kwx2	55kwx2	75kwx2
			45kwx1	55kwx1	75kwx1	90kwx1
	减速箱型号	Reducer model number	200x2	225x2	250x2	280x2
			225x1	250x1	280x1	315x1
	模头直径	Die diameter	Φ350/400mm	Φ400/450mm	Φ450/500mm	Φ700mm
	风环直径	Wind ring diameter	IBC内冷	IBC内冷	IBC内冷	IBC内冷
风机	fan	15/18.5kw	22kw	30kw	30kw	
换网	Screen changing	双工位手动快换+压力表 Dual station manual quick change + pressure gauge				
牵引部分 Traction section	牵引辊宽度	Width of traction roller	1600/1800mm	2000/2200mm	2400/2600mm	3200/3300mm
	牵引速度	Traction speed	5-60min	5-60min	5-60min	5-60min
	牵引电机	Traction motor	1.5kw	2.2kw	2.2kw	3kw
收卷部分 Winding section	收卷方式	Winding method	全自动背靠式双面摩擦卷曲 Fully automatic back-to-back double-sided friction curling			
	卷曲电机	Crimping motor	1.5kwx2	2.2kwx2	2.2kwx2	3kwx2
	收卷速度	Winding speed	5-60min	5-60min	5-60min	5-60min
控制部分 control section	电器	electrical equipment	ABB Fuling simens chint Omron			
	变频器	frequency transformer	ABB台达、汇川、富凌根据客户要求 ABB Delta, Huichuan, Fuling according to customer requirements			
外形尺寸 Overall dimensions	长x宽x高	Length x width x height	12m x 9.5m x 7m	12.5m x 10.5m x 8m	13m x 12.5m x 9m	14m x 13.5m x 9m



A Vest Bag

H = Height
HLH = Hand-lifting Height
BBH = Bag Body Height
FW = Folded Width
W = Width



B Flat Bag

H = Height
W = Width
FW = Folded Width

Please tell us the types and size of the plastic bags you need to produce.



3-5 层高档包装膜吹膜机

3-5 Layers High-grade Packaging Film Blowing Machine

在普通包装膜的基础上增加了旋转牵引装置和纠偏装置及自动张力系统，更好的保证了包装膜的厚度均匀，以及收卷时膜卷的收卷质量。

On the basis of ordinary packaging film, a rotary traction device, a deviation correction device, and an automatic tension system are added to better ensure the uniform thickness of the packaging film and the quality of the film roll during winding.

增添部分功能 Add some functions

牵引部分 Traction part	牵引旋转 Traction rotation	水平式 horizontal
	纠偏系统 Deviation correction system	对中对边超声光电式 Centering or opposite edge ultrasonic photoelectric type
收卷部分 Winding section	自动张力控制 Automatic tension control	张力传感器 Tension sensor

本机组用于吹制 LDPE、LLDPE、EVA、MLLDPE 等多种、多层组合的复合薄膜机组主要有高效节能的挤出系统、三层共挤模头、上牵引机旋转、全自动双工位卷取机、电气控制系统等组成。

This production line used for blowing LDPE, LLDPE, EVA, MLLDPE etc, combination of multi layer composite membrane. This production line Mainly has high efficiency and energy saving of extrusion system, three layers co-extrusion die top traction rotating, automatic double station recoiling machine, electric control system, etc.



主要技术参数/Main technical parameters

型号	MODEL	■SJ45/55/45 -1600	■SJ55/65/55 -1800	■SJ65/75/65 -2200	■SJ75/80/75 -2800
薄膜厚度	Film Thickness	0.01-0.12mm			
最大薄膜宽度	Max Film Width	1200mm	1600mm	2000mm	2600mm
最大挤出量	Max Output	200kg/hr	300kg/hr	350kg/hr	480kg/hr
模头直径	Die Head Diameter	Φ250mm	Φ350mm	Φ450mm	Φ600mm
主电机功率	Driving Motor Power	18.5kw/30kw/18.5kw	30kw/37kw/30kw	37kw/55kw/37kw	55kw/75kw/55kw
收卷方式	Rewind Type	全自动背对背摩擦双收卷 Automatic back to back surface friction winder			
外形尺寸	Dimension	8.5m×6.5m×8.5m	9.5m×6.8m×9.5m	11m×7m×9.5m	11m×7.5m×11.5m



7-11 层下吹食品包装膜吹膜机

7-11 Layers Downblow Food Packaging Film Blowing Machine

复合包装膜具有使包装内物保湿、保香、美观、保鲜、避光、防渗透、延长货架期等特点，近年来在食品、药品包装等领域得到广泛应用。五层、七层共挤复合膜，因具有更强的阻隔性能，更能增强其上述功效，始终受到中东国家的重视，其在我国的应用领域也愈加广泛。本公司生产的平挤下吹法七层共挤双向拉伸包装膜生产线，设计精巧、构造合理、加工精细、性能稳定，具有较高的性价比。其结构特点如下：

- 1、挤出机：由七台单螺杆挤出机组成。
- 2、共挤模头：七层共挤叠加螺旋式模内复合机头，模口和模芯根据挤出规格的不同可以调换。
- 3、冷却牵引：配有水冷装置及一次牵引机。
- 4、拉伸：由二次牵引装置、预热膨胀装置、加热装置、二道风环冷却装置等组成，二次牵引和三层牵引起拉伸作用，靠调整两个牵引的速比完成不同的拉伸比。
- 5、热处理：由四次牵引、热定型塔、风环组成。
- 6、旋转收卷：由带有人字辊板的五次牵引装置、摩擦卷取装置组成。

挤出机	单螺杆挤出机7台	Extruder	7 sets of single-screw extruders
主电机	三相异步电动机	Main motor	Three-phase asynchronous motor
加热方式	铸铝加热器	Heating method	Cast aluminum heater
冷却方式	风冷	Cooling method	Air-cooled
主机调速方式	变频调速	Speed governing method of the main motor	Frequency governing
温控方式	电脑控制	Temperature control method	Computer control
主机减速箱	方型硬齿面齿轮箱	Reduction gearbox of the main engine	Square gearbox with hardened gear surface
机头	叠加式	Die head	Superposed
制品冷却方式	真空定径水冷式加风机	Cooling method of the product	Vacuum sizing water-cooled fan
风环直径(mm)	Φ1200 2台	Diameter of the air ring(mm)	Φ1200 2set
牵引辊规格(mm)	Φ160×400	Traction roller specification(mm)	Φ160×400
牵引调速	变频调速	Speed governing of the traction	frequency governing
辊筒式人字板	4套	Roller zigzag plate	4 sets
卷取	旋转、背靠式卷取	Recoiling	Rotary,back-to-back recoiling
旋转电机功率	0.55	Rotary motor power(Kw)	0.55
收卷速度(m/min)	3-45	Recoiling speed (m/min)	3-45
总功率(Kw)	约300	Total power(Kw)	Around 330
外形尺寸(L×W×H)(mm)	9000×10600×6600	Overall dimension(LxWxH)(mm)	9000×10600×6600





The composite packaging film can be used to keep the substances contained wet, fragrant, good-looking and fresh, prevent sunlight and permeation as well as extend the shelf life. In recent years, it is widely applied in the packaging industry for food and medicines. Due to stronger barrier property, the five-layer and seven-layer co-extrusion composite film can reinforce the above effectiveness. Therefore, Europe and America, especially North American countries have always attached great importance to these products. And their application fields are also gradually expanded in China. The seven-layer co-extrusion two-way stretch packaging film production line with flat-extrusion down-blowing method of our company is featured with exquisite design, reasonable structure, precision processing and stable performance, providing you a high cost performance. Its structural characteristics are as follows:

- 1.Extruder: it is constituted by 7 sets of single-screw extruders.
- 2.Mould head of the co-extrusion: the seven-layer co-extrusion superposed spiral composite mould head inside the mould, mould mouth and mould core can be adjusted and replaced according to different extrusion specifications.
- 3.The traction of cooling: it is equipped with water-cooling device and one-step tractor.
- 4.Stretch: it is constituted by second-step traction device, preheat expansion device, heating device, and secondary air ring cooling device. The second-step and three-step tractors are used for the traction. Adjust the speed ratio between these two tractions to realize different stretch ratios.
- 5.Heat treatment: it is composed of four-step traction device, thermal shaping tower and air ring.
- 6.Rotary recoiling: it is made of five-step traction device with zig-zag roll plate and friction recoiling device.

3-5 层大棚膜吹膜机

3-5 Layers Greenhouse Film Blowing Machine

本机组主要用于生产农用大棚膜及多功能膜，可生产单层及 2-5 复合膜。薄膜展开宽度为 6-22 米。该设备主要有挤出机、模头、冷却装置(内冷)牵引装置、卷取装置及电气控制系统组成。

This machine is mainly used to produce greenhouse-film and 2-5 film. The film can be monolayer and multilayer. The unfold width of the film is 6m-22m. The machine is mainly composed of extruder, die head, cooling device (inner cooling), traction device, recoiling device and electric control system.



主要技术参数/Main technical parameters

型号	MODEL	LD2800	2FM4500	3FM6000	5FM3500
挤出机	Extruder	150/30	180/30	200/30	120/30
主电机(km)	Main motor	250	315x2	355x3	132x5
模头直径(mm)	Moukd diameter	Φ1400	Φ2000	Φ2600	Φ1600
挤出量(kg)	Capacity	500	700x2	1000x3	350x5
牵引速度(m/min)	Hauling speed	20	20	20	20
率引高度(mm)	Hauling height	19000	24000	30000	24000
导辊长度(mm)	Guide roller length	2800	4500	6000	3500
制品规格(mm)	Production specification	10000	16000	22000	1200



1-3 层农地膜吹膜机

1-3 layers Agricultural Mulch Film Blowing Machine

螺杆与模头设计精巧,能高效塑化、均匀复合原料。冷却风环灵活控温,实现膜泡快速定型。它适配多种聚乙烯原料,精准调控,厚度偏差极小。可生产抗老化、防雾滴、高透光、除杂草等功能农膜,配备薄膜打孔机可生产带孔地膜,广泛用于农业种植。

The screw and die head are ingeniously designed to efficiently plasticize and uniformly compound raw materials. The cooling air ring enables flexible temperature control, allowing for the rapid shaping of the film bubble. It is compatible with a variety of polyethylene raw materials, and through precise regulation, the thickness deviation is extremely small. This machine can produce functional agricultural films with features such as anti-aging, anti-fogging, high light transmittance, and weed control. Equipped with a film punching machine, it can manufacture perforated plastic mulch, and is widely used in agricultural planting.

应用领域 / Application scenes



黑白单色地膜
Black and white single-color
plastic mulch film



彩色单色地膜
Single-color colored plastic
mulch film



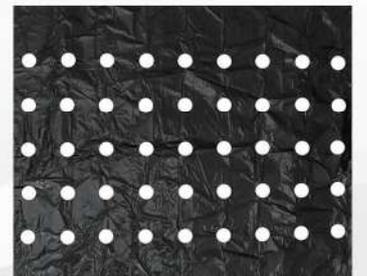
内外双色地膜
Double-color (inside and
outside) plastic mulch film



黑白相间地膜
Black and white interlaced
plastic mulch film



除草地膜
Weed - control plastic mulch film



打孔地膜
Perforated plastic mulch film



单色地膜吹膜机
Single-color Plastic Mulch
Film Blowing Machine



双色地膜吹膜机
Two-color Plastic Mulch
Film Blowing Machine

主要技术参数/Main technical parameters

材料范围	The range of the material	LDPE、LLDPE etc.
产品宽度	Products width	1000-2000mm
产品厚度	Products thickness	0.01--0.10mm
三层挤出结构	Three-layer extrusion structure	A/B/C
总装机功率	The total installed power	240KW
加热功率	Heating power	100KW
产量	Output	100-280kg/h
长宽高	Length Width Height	9000X4500X7600mm
重量	Weight	约 10T

6-8 米土工膜吹膜机

6-8 Meters Geomembrane Film Blowing Machine

该设备主要用于生产三层复合塑料宽幅防渗膜、土工膜等产品。若配置其他相关设备,则可生产糙面土工膜。

This machine is mainly used to produce three-layer composite plastic wide-width impermeable film and geomembrane. If equipped with relevant auxiliary engine, it can process the rough surface geomembrane film.



设备特点 /Equipment features

1. 采用专用挤出机、特种螺杆,增强塑化能力,提高产量。采用整机移动,便于调整。
2. 三层复合专用螺旋机头,大棚膜与土工段性能兼顾,既能生产大棚膜,又能生产土工膜。
3. 采用液压不停机快速换网装置,快捷方便。
4. 采用了国外先进技术,引进 IBC 内冷控制系统及双风口风环,便于控制冷却风量,提高冷却效果。

1.The machine adopts dedicated extruder and special type screw, so it can enhance plasticizing capacity and increase output. And the complete machine can move,so it is convenient for adjusting.

2. Three-layer compound dedicated spiral mold both can produce geomembrane and greenhouse film.

3. It adopts hydraulic fast filter device, it is fast and convenient.

4. it adopts foreign advanced technology and introduces IBC inner cooling control system and double tuyere air ring. So it is convenient for controlling cooling air quantity and enhancing cooling effect.

应用领域 /Application scenes



农业养殖和灌溉
Agricultural farming and irrigation



水利工程
Water conservancy project



交通工程
Transportation engineering



垃圾填埋场
Garbage landfill



尾矿防渗
Tailings anti-seepage



建筑工程
Building Engineering



主要技术参数/Main technical parameters

型号	MODEL	■3FM3500	■3FM4500
制度宽度(mm)	Production width	6000	8000
制品厚度(mm)	Thickness	0.3-2	0.3-2
层数	layer quantity	3	3
最大产量(kg/h)	Max output	1000	1500
挤出机	Extruder	150/30X3	180/30X3
主电机(KW)	Main motor	250*2	280*3
口模直径(mm)	Die diameter	1800	2400
风环外径(mm)	Air ring diameter	3600	4000
牵引高度(mm)	Traction height	21000	23000

3-5 层 POF 吹膜机

3-5 Layers POF Film Blowing Machine

3-5 层 POF 吹膜机，专为生产优质 POF 热收缩膜打造。设备结构紧凑，集成先进挤出与温控系统。通过多层共挤技术，各层原料精准配比，使薄膜兼具良好柔韧性、高透明度与卓越收缩性能。能适应不同规格需求，高效稳定生产，广泛应用于食品、日用品、电子产品等包装领域，为产品包装提供可靠保障，提升包装效率与产品档次。

The 3-5 layer POF blown film machine is specifically designed for manufacturing high-quality POF heat shrinkable films. The equipment features a compact structure and integrates advanced extrusion and temperature control systems. Through the multi-layer co-extrusion technology, raw materials of each layer are precisely proportioned, endowing the film with excellent flexibility, high transparency, and superior shrinkage performance. It can meet different specification requirements, ensuring efficient and stable production. Widely applied in the packaging fields of food, daily necessities, electronic products, etc., it provides a reliable guarantee for product packaging, enhancing both the packaging efficiency and the product grade.



这款高速、全自动、低能耗、傻瓜型五层 POF 热收缩膜吹膜机组优势显著：

1. 操作简易高效：高度自动化，一名普通工人即可操作，降本增效。
2. 膜泡稳定可靠：生产中膜泡稳定持久，不易破裂，保障生产连续性。
3. 节能表现突出：运用新技术，能耗低，吨膜耗电约 500 千瓦时，比普通设备省三分之一电费。
4. 薄膜调整灵活：薄膜宽、厚及二泡直径调节便捷，可按需调整。
5. 薄膜性能卓越：采用低温拉伸吹胀技术，薄膜拉伸强度与透明度更高。
6. 具备不停机换网功能：无需停机换滤网，减少停机时间与原料浪费。
7. 冷却技术高效：一泡用强制冷却、大水流技术，薄膜结晶少，透明度与强度俱佳。

This high-speed, fully automatic, low-energy-consumption, user-friendly five-layer POF heat-shrinkable film blown film machine unit boasts remarkable advantages:

1. Easy operation and high efficiency: Highly automated, it can be operated by one ordinary worker, reducing costs and boosting efficiency.
2. Stable film bubble: During production, the film bubble is stable and long-lasting, rarely bursting to ensure continuity.
3. Outstanding energy savings: With new technologies, it cuts energy waste. It consumes about 500 kWh per ton of film, saving 1/3 of electricity costs compared to regular machines.
4. Flexible film adjustment: Easily adjust film width, thickness, and the second bubble diameter as needed.
5. Excellent film performance: Using low-temperature stretching technology, the film has higher tensile strength and transparency.
6. Non-stop screen changing: Replace the filter screen without stopping, minimizing downtime and material waste.
7. Efficient cooling: The first bubble uses forced cooling with large water flow, resulting in less crystallization, good transparency, and high strength.

主要技术参数/Main technical parameters

型号	MODEL	
薄膜宽度 (mm)	Film width (mm)	2400-2500
薄膜厚度 (mm)	Film thickness (mm)	0.012-0.025
产量 (T/24H)	Output (T/24H)	5-8
生产速度(m/min)	Production speed(m/min)	50-70
能耗(kWh/t)	Energy consumption (kWh/t)	500-550

PVC 吹膜机

PVC Blown Film Machine



主要技术参数/Main technical parameters

型号	MODEL	
膜宽	Film width	1200-1400 mm
膜厚	Film thickness	0.012-0.06 mm
螺杆直径	Screw diameter	100mm
长径比	L/D	28:1
螺杆转速	Screw turn speed	0~50rpm
驱动功率	Driver power	55kw
机筒加热器	Cylinder heater	32kw
产量 (千克 / 小时)	Output kg/h	90-120 kg/h
模头直径	Die diameter	Φ120mm
模头加热器	Die heater	2 kw
牵引辊宽度	Width of Haul-off rollers	1200/1600mm
牵引速度	Haul-off tow speed	0~60m/min
横向收缩率	transverse shrinkage	≥45%
纵向收缩率	vertical shrinkage	≥45%
总功率	Total power	≤140kw
外形尺寸	Out size	13500×5500×7200
总重量	Total Weight	12000kg



具备高效挤出系统, 螺杆与机筒协同, 快速塑化原料; 精密模头搭配优质风环, 确保膜泡均匀稳定, 产出薄膜厚薄一致。设备操作简便, 自动化程度高, 降低人工成本, 能适应多种生产需求, 广泛用于包装、农业、工业等领域, 助力企业高效生产高品质 PVC 薄膜。

Equipped with an efficient extrusion system, the screw and barrel work in tandem to rapidly plasticize raw materials. The precision die head, paired with a high - quality air ring, ensures a uniform and stable film bubble, resulting in films with consistent thickness.

This machine is easy to operate and highly automated, which helps reduce labor costs. It can meet a variety of production requirements and is widely used in the packaging, agricultural, and industrial sectors, enabling enterprises to efficiently produce high - quality PVC films.

双色彩条吹膜机

Double-color Strip Blown Film Machine

用途 / Applications

双色彩条吹膜机用于吹制各种低密度聚乙烯 (LDPE)、高密度聚乙烯 (HDPE) 彩条塑料薄膜。广泛应用于食品、水果、服装、纺织品、日用品等民用及工业品包装, 无需经过印刷就能达到彩色化。

The double-color strip blown film machine is used for blowing various colored strip plastic films made of low-density polyethylene (LDPE) and high-density polyethylene (HDPE). It is widely applied in the packaging of civil and industrial products such as food, fruits, clothing, textiles, and daily necessities. It can achieve a colored effect without the need for printing.

主要技术参数/Main technical parameters

类型	Type	■HY-DC45*2	■HY-DC50*2
材料	Material	HDPE/LDPE/LLDPE	HDPE/LDPE/LLDPE
膜宽	Film Width	200-600MM	300-800MM
膜厚	Film Thickness	0.008-0.1MM	0.008-0.1MM
生产速度	Production Speed	40 kg/h	50 kg/h
挤出机/Extruder			
螺杆直径	Screw Diameter	Φ45*2	Φ50*2
螺杆长径比	Screw Length - Diameter Ratio (L/D)	28:1	28:1
螺杆材料	Screw Material	SACM645/38CrMoALA	SACM645/38CrMoALA
螺筒材料	Barrel Material	SACM645/38CrMoALA	SACM645/38CrMoALA
螺筒风机	Barrel Fan	250w	250w
主电机	Main Motor	11 kw*2	15 kw*2
温度控制	Temperature Control (zones)	3区/4区	3区
平均能耗	Average Energy Consumption	25 kw/h	35 kw/h
模头规格	Die Specification	Φ60 MM	Φ80 MM
模头温区	Die Temperature Zone	1 区	1 区
风环	Air Ring	620 MM	780 MM
鼓风机	Blower	1.5 kw	1.5 kw
牵引装置/Traction Device			
牵引辊宽	Traction Roller Width	700 MM	900 MM
牵引速度	Traction Speed	5-60m/min	5-60m/min
牵引电机	Traction Motor	1.5 kw	1.5 kw
收卷部分/Winding Section			
收卷电机	Winding Motor	1.5 kw	1.5 kw
收卷速度	Winding Speed	5-60m/min	5-60m/min
外形尺寸	Overall Dimensions	4.8*1.9*4.3 M	5.5*2.1 *4.5 M
设备重量	Equipment Weight	2.5T	3.0T



特点 /Features

- 1、机筒螺杆材质均为 38CrMOAl 并经氮化处理，耐磨损耐腐蚀。
- 2、两台挤出机对同一模头供料，特殊的模头结构，不同颜色母料能组合出不同的彩条薄膜，
- 3、迷宫式风环，出风量均匀。
- 4 收卷采用力矩电机，以保持适当的收卷张力，收卷平整，换卷方便。

1.The materials of the barrel and screw are both 38CrMOAl and have been nitrided, featuring high wear resistance and corrosion resistance.

2.Two extruders supply materials to the same die head. With a special die head structure, different masterbatches of various colors can be combined to produce different colored strip films.

3.The labyrinth air ring ensures a uniform air output.

4.A torque motor is used for winding to maintain an appropriate winding tension. The winding is flat, and it is convenient to change the winding roll.

双机头吹膜机组

Double Die-head Film Blowing Machine

特点 / Features

挤出机的机筒、螺杆均采用优质合金钢经氮化和精密加工，具有最佳硬度和耐腐蚀性，本机组经科学设计一套挤出两付机头，提高生产量节省能源、劳动力、生产厂房等优点。

The barrel and screw of the extruder are made of high-quality alloy steel through nitriding and precision machining, featuring optimal hardness and corrosion resistance. This machine unit is scientifically designed to use one group extruders to drive two heads, which can increase production while saving energy, labor, and production space.

主要技术参数/Main technical parameters

类型	Type	■HY-DH65	■HY-DH75
材料	Material	HDPE/LDPE/LLDPE	HDPE/LDPE/LLDPE
膜宽	Film width	200-600MM	300-800MM
膜厚	Film thickness	0.008-0.1MM	0.008-0.1MM
生产速度	Production speed	80kg/h	90 kg/h
挤出机/Extruder			
螺杆直径	Screw diameter	Φ65	Φ75
螺杆长径比	Screw ratio l/d	30:1	30:1
主电机功率	Main motor power	37kw	45kw
模口规格	Range of die	Φ60mm	Φ80mm
平均能耗	Average Energy Consumption	45 kw/h	55 kw/h
外形尺寸	Overall dimension	4.8*2.2*4.3 M	5.2*2.6* 4.5 M
机器重量	Weight of machine	2.5T	3.0T



用途 /Applications

用于吹制低密度聚乙烯 (LDPE)、高密度聚乙烯 (HDPE) 塑料薄膜。可制成各种背心袋、平口袋广泛就用于食品服装、纺织、工业等包装。

It is used for blowing low-density polyethylene (LDPE) and high-density polyethylene (HDPE) plastic films. Various vest bags and flat bags can be made from these films, which are widely used in the packaging of food, clothing, textiles, and industrial products.

PE 高速吹膜机组

PE High-speed Blown Film Machine Unit

特点 / Features

用于吹制高低压聚乙烯，产品广泛用于复合膜，包装膜，农业覆盖膜，纺织品，服装袋或膜等包装；主电机采用变频调速，增加了主机调速的稳定性，并可节电 30%，螺杆料筒采用 38 铬铝铝，经氮化处理，不管吹大、小规格薄膜均能使其冷却效果达到最佳。

型号	MODEL	■HY-A-H50	■HY-A-H55	■HY-A-H60	■HY-A-H65
材料	Material	HDPE/LDPE/LLDPE			
膜宽	Film Width	100-600MM	200-800MM	300-1000MM	400-1200MM
膜厚	Film Thickness	0.008-0.15MM	0.008-0.15MM	0.008-0.15MM	0.008-0.15MM
生产速度	Production Speed	65 kg/h	75 kg/h	85 kg/h	95 kg/h
挤出机/Extruder					
螺杆直径	Screw Diameter	Φ50	Φ55	Φ60	Φ65
螺杆长径比(L/D)	Screw Length-Diameter Ratio (L/D)	30:1	30:1	30:1	30:1
螺杆材料	Screw Material	SACM645/38CrMoALA			
螺筒材料	Barrel Material	SACM645/38CrMoALA			
螺筒风机	Barrel Fan	250w*2	250w*2	250w*2	250w*2
主电机	Main Motor	22 kw	30 kw	37 kw	45 kw
温度控制	Temperature Control	4区	4区	5区	5区
平均能耗	Average Energy Consumption	30 kw/h	40 kw/h	45 kw/h	55 kw/h
模头规格	Average Energy Consumption	Φ60-120 MM	Φ80-150 MM	Φ100-220 MM	Φ120-250 MM
模头温区	Die Head Temperature Zone	1 区	1 区	1 区	1 区
风环	Air Ring	650 MM	800 MM	800 MM	800 MM
鼓风机	Blower Fan	5.5 kw	7.5 kw	11 kw	15 kw
牵引装置/Traction Device					
牵引辊宽	Traction Roller Width	700 MM	900 MM	1100 MM	1300 MM
牵引速度	Traction Speed	5-100m/min	5-100m/min	5-100m/min	5-100m/min
牵引电机	Traction Motor	1.5 kw	1.5 kw	1.5 kw	1.5 kw
收卷部分/Winding Section					
收卷电机	Winding Section	1.5 kw	1.5 kw	1.5 kw	1.5 kw
收卷速度	Winding Motor	5-100m/min	5-100m/min	5-100m/min	5-100m/min
外形尺寸	Overall Dimensions	4.1*1.7*6.0M	4.8*1.9*6.2 M	5.5*2.1*6.5 M	5.8*2.5*6.8 M
设备重量	Equipment Weight	2T	3T	3.5T	4T



It is used for blowing high and low pressure polyethylene. The products are widely applied in composite films, packaging films, agricultural mulching films, textiles, garment bags or films and other packaging. The main motor adopts variable frequency speed regulation, which improves the stability of the main machine's speed regulation and can save 30% of electricity. The screw barrel is made of 38 chromium molybdenum aluminum and treated by nitriding. Whether it is used to blow films of large or small sizes, it can achieve the best cooling effect.

高低压超薄吹膜机组

High and Low Pressure Ultra-thin Film Blowing Machine Set

特点 /Features

本机组挤出机,机筒、螺杆均采用优质 38 铬钼铝合金钢,经氮化处理和精密加工,具有最佳的硬度和耐腐蚀性,特殊设计的螺杆产量高,塑化好。

In this machine set, the barrel and screw of the extruder are both made of high-quality 38CrMoAl alloy steel. After nitriding treatment and precision machining, they have the optimal hardness and corrosion resistance. The specially designed screw ensures high output and excellent plasticization.

用途 /Applications

适用于吹制低密度聚乙烯 (LDPE)、高密度聚乙烯 (HDPE)、线性低密度聚乙烯 (LLDPE) 等塑料薄膜,广泛应用于食品、服装、垃圾袋、背心袋等民用及工业包装。

This machine set is suitable for blowing plastic films such as low-density polyethylene (LDPE), high-density polyethylene (HDPE), and linear low-density polyethylene (LLDPE). It is widely used in the civilian and industrial packaging of products like food, clothing, garbage bags, and vest bags.

主要技术参数/Main technical parameters

型号	MODEL	■HW-A50-700	■HW-A55-900	■HW-A60-1200
螺杆直径	screw diameter	Φ50	Φ55	Φ60
螺杆长径比	screw ratio L/D	30:1	30:1	30:1
螺杆转速	screw speed	15-100r/min	15-100r/min	15-100r/min
主电机功率	main motor power	11kw/15kw	15kw/18.5kw	18.5kw/22kw
单挤出机产量	extrusion output(single)	35kg/h/45kg/h	45kg/h/55kg/h	55kg/h/65kg/h
模口规格	range of die	Φ50/Φ120	Φ80/Φ150	Φ120/Φ220
薄膜厚度单面	single-sided thickness of film	0.008-0.10mm	0.008-0.10mm	0.01-0.10mm
薄膜最大折径	max.folding width of film	600mm	800mm	1000mm
电器总容量	electric total capacity	24kw/30kw	30kw/40kw	38kw/44kw
机器重量	weight of machine	2.4T	2.8T	3.2T



选择性配置

Optional Equipment



小型吹膜实验机

Mini blowing film experimental machine



制袋机

Bag making machine





边料回收机
Edge Material Recycling Machine



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