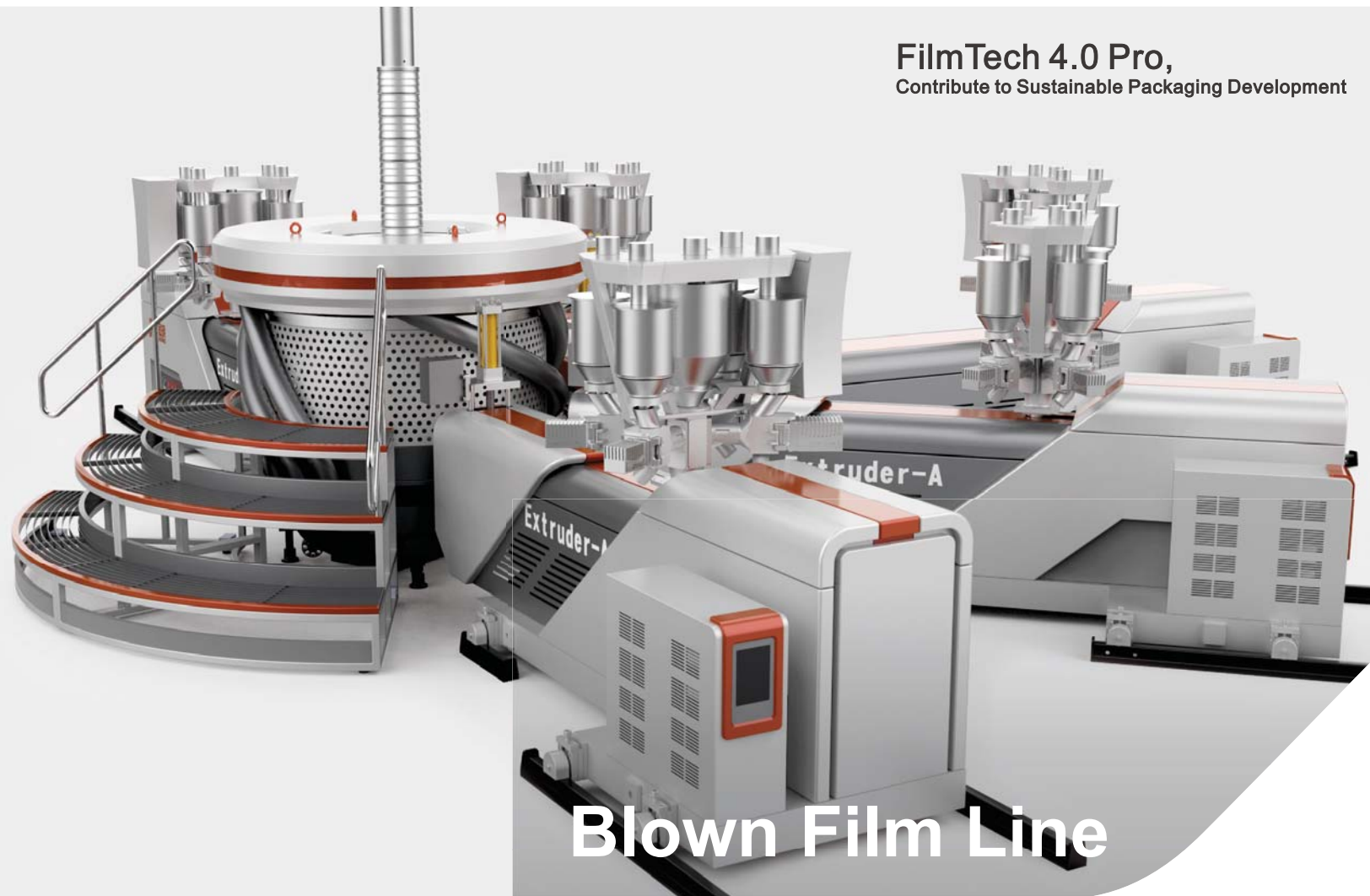


- Blown Film Line
- Cast Film Line
- Biaxially Oriented Film Line

FilmTech 4.0 Pro,
Contribute to Sustainable Packaging Development



Blown Film Line

Jinming Machinery (Guangdong) Co., Ltd.

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Integrated solution provider of whole series of high-value
plastic film processing machinery and smart factory

JM JINMING



JINMING Introduction

Established in 1987, JINMING is well-known supplier of plastic film machinery in the world, who has integrated capabilities of R&D, design, manufacturing and marketing. JINMING has been recognized as one of the few global leading brands who is able to provide film making machinery and solutions in all different processing techniques. Jinming products include Blown Film Machinery, Cast Film Machinery, Film Orientation Machinery and Film/ Paper Post Processing Machinery.

By 2023 JINMING has successfully provided thousands of machines along with professional service to end users in over 50 countries all around the world, which enabled JINMING to develop and become one of the most leading manufacturers in terms of both technology and scale in the film machinery industry.

With over 36 years of development to build up leading manufacturing technology and rich processing techniques, Jinming machinery are applied in wide range of applications in different industries, including food & commodity packaging, agriculture film, medical packaging, automotive film, electronic protective film, infrastructure construction film, special functional film and etc.

Four Core Competitiveness

1. R&D Strengths

Jinming continuously focuses on technology innovation and new products development, adheres to solid combination of technological research and development, and pays special attention to the latest market trend and new technology. In every year, Jinming invests great amount of fund to research and development of high-tech products and information construction.

Jinming is the first machinery manufacturer in China to apply SOLIDWORKS (a computer-aided design system), PDM, LAN technologies in designing, development and information management. The R&D team has accumulated rich experience and acquired the standard working process during project development and promotion.

2. Manufacturing Capabilities

Jinming is dedicated to provided home and abroad customers with excellent quality machinery since its establishment in 1987.

By now, Jinming has owned more than 100 units of various types of high precision processing equipment, including ultra large 5-axis precise CNC from DMG Germany, NILES gear grinding precise gear grinding machines from NILES Germany, 4-axis precise CNC from CINCINNATI UK, 4-axis precise CNC from HAAS USA, extra-large gantry-type CNC from NCS.A Span and etc., which are all modernized with automatic computer control system.

Therefore, Jinming can not only ensure precise and reliable processing on each parts and components, but also realize professional management for the processing of the whole line.



3. Technology Center

Thanks to years accumulation in the industry, with numerous funds and investment in R&D, by calibrating with global well-known material manufacturers and component suppliers, Jinming has successfully built up an intelligent Technology Center.

As an "Experiential Type" technology center that focusing on plastic film products, it is capable to comprehensively display the most advanced technologies in film processing, formula testing, technical identification, running technics, operational training, which is not only aim to provide home and abroad customers with one-station professional solution, but also continuously optimize their running techniques and helping customers to build up smart factories.

4. Smartex™ Factory Management System

Independently developed by Smart Jinming, a subsidiary company from Jinming, this system is specialized used for intelligent factory management.

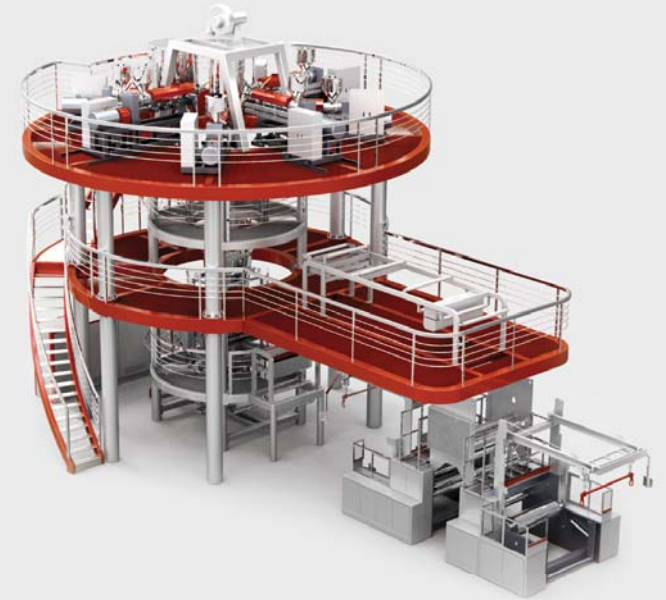
By taking real-time regulation in key processes, including integrated monitoring of material, processing, products, machine data can be interchanged, coordinated, shared, which could contribute to visualization of production process and transparent control.

In addition, Jinming has built up a cloud data to substitute traditional configuration software, which can not only be able to vertically monitor machine running situation and warn operator in time if machine is not running properly, but also horizontally analyze industrial data, estimate sales volume for upstream and downstream industries, which can be an effective basis for enterprise to make decisions.

Machine Introduction



Blown Film Line of Air Cooling Process



Blown Film Line of Water Quenching Process



Non-barrier film for Food Packaging



Film Commodity Packaging



High Barrier film for Food Packaging



Film Industrial Packaging



Film for Agricultural and Infrastructure Construction

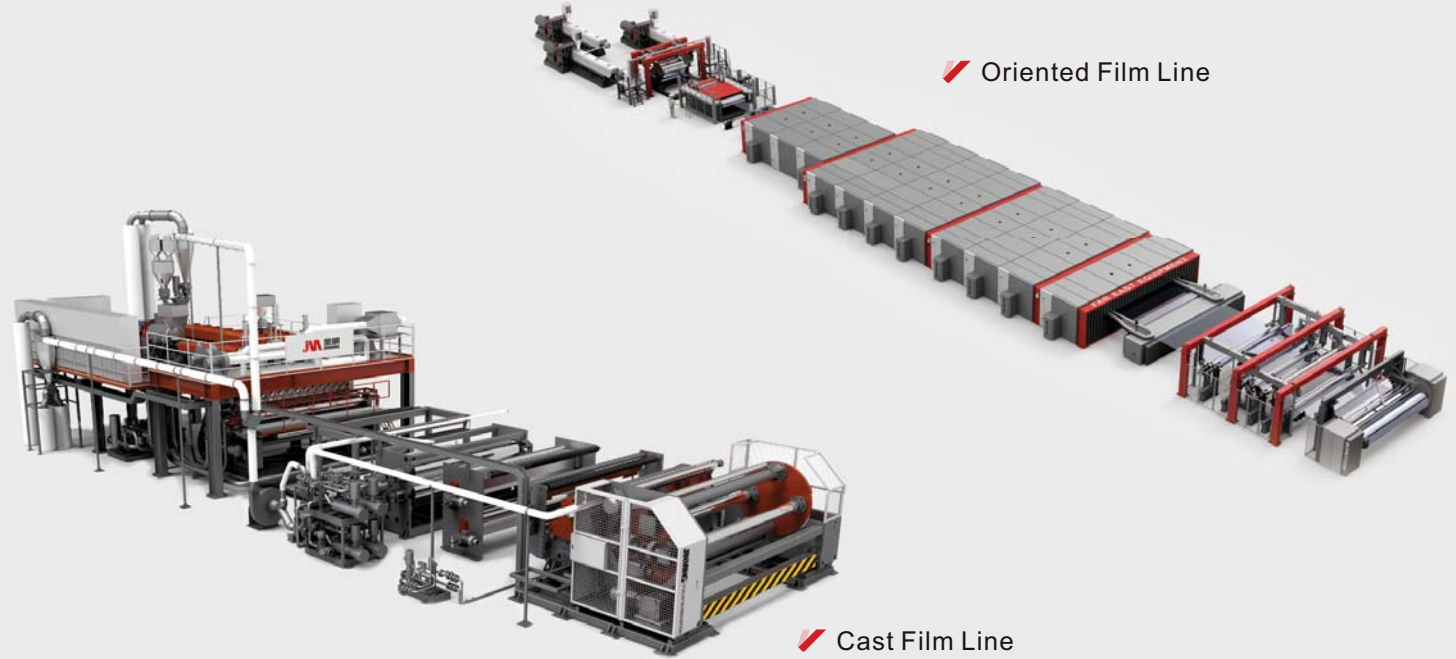


Film for Pharmaceutical & Hygienic Packaging



Optical Film for Protection purpose

Machine Introduction



✓ Oriented Film Line

✓ Cast Film Line



Film for Food Packaging



Film for FMCG Packaging



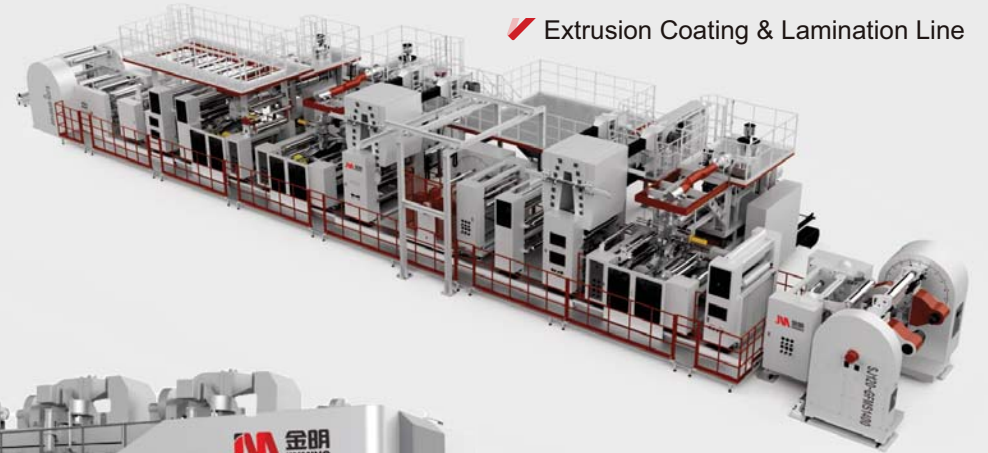
Film for Commodity Packaging



Optical Film for Protection – windows covering

Optical Film for Protection – car paint Protection

Machine Introduction



Extrusion Coating & Lamination Line



Coating & Lamination Line



Paper and Plastic Packaging



Canvas and Tarpaulin Industry



Film Coating and Transferred to Paper



Extrusion Coating on Paper



Extrusion Coating on Paper

Core Component

1. Extruder

Jinming extruders mainly feature with high precision, low noise, high rotation speed, fast torque and wear resistance. Screw is designed with mixing and barrier section which is capable to grain higher output with lower processing temperature, but more uniform melt, more balanced pressure. Configurations of extrusion system can also be customized design to meet customer's specific requirements.

2. Die Head

Thanks to years of experience in die designing, in consideration of raw materials' processing properties and their rheological principles, Jinming has successfully technological innovation, Jinming has successfully developed various different kinds of high-performance die for processing of different film applications. Meanwhile, by applying simulation design to optimize resins' melt flow and their distribution in channels, Jinming high-performance die is applicable to process different kinds of resins and to reach high quality film with reasonable thickness tolerance.

3. Internal Bubble Cooling (IBC) System

This system consists of heat exchangers, air ring, blowers, detection sensors and computer control system etc. The sensor will detect bubble size, calculate the variate and then send instructions to computer to control inlet and outlet blowers' speed to ensure balanced air volume to keep bubble stability in auto mode.

It is functioning of increasing machine output capacity and enhancing mechanical properties of film, by quickly cooling film bubble, exhausting hot air and low molecular weight substances inside and refilling cooled air into bubble.



4. Automatic Air Ring Cooling System

The high efficiency multiple-tuyere air ring is applied to adjust film horizontal thickness variation. By controlling the cartridge heaters evenly located on the air tuyere, the air ring is capable to adjust air temperature. Integrated with imported auto thickness measuring system for closed-loop auto thickness control. Besides efficiently improve film quality, the auto thickness control system will also enhance cooling efficiency and boost output by approx. 30-50%.

In addition, this high efficiency auto air ring has changed the way that when bubble comes that the traditional type air ring will cool it directly. Instead, by ascending and descending the height of auto air ring, it will provide the function of pre-cooling before bubble being blown up, which will help increase melt strength under semi-sticky state, achieve lower crystallinity, better film transparency, higher mechanical properties and more adaptable for bigger blow-up ratio application.

5. Reversing Haul-off Unit

It works by horizontally $\pm 360^\circ$ reversing with a constant speed. Thanks to its scientific structure, energy consumption designing, easy maintenance, the oscillator can not only ensure good film winding quality but also guarantee the film can meet requirements for precise and fast printing machines. Meantime, it also simplifies the difficulties for control multi-layer co-extrusion blown film formula and processing technique. Combined with Internal Bubble Cooling (IBC) System, it will help to produce more transparent film with better physical properties.

With this component, film will be extraordinarily flat to have excellent winding performance and film roll flatness will be greatly improved.

6. Winding Unit

It is a modular design with multiple functions for winding various materials and adaptable for either 3" or 6" air shaft. Especially the pre-acceleration function will reduce film tension fluctuation when it comes to reel changing so that increase winding quality.

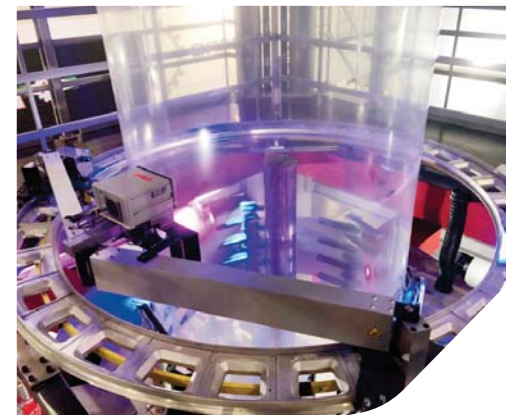
The winder also integrates with function of auto film cutting, reel changing, reel unchanging, meter counting and taper tension control. It equips with hydraulic system for unloading film roll. In addition, the taper tension control system will automatically chase according to film surface tension, so that increase winding flatness. This type of auto winder will reduce labor intensity and avoid waste during manual roll changing, but instead improve working efficiency and enhance safety operation.



SupereX™ non-barrier multi-layer co-extrusion blown film line (S serial) is a serial of intelligent and well performance machinery launched by Jinming, which features with high output, automation and excellent thickness variation etc.

In addition, SupereX™ enjoys greater adaptability for various materials, which can meet customer's requirements to produce excellent quality film in higher output capacity. This serial of machine is also equipped with an intelligent module which can provide remote support for troubleshooting, and Jinming can provide remote diagnosis to help on trouble shooting.

It is optional for client to equip with the SMARTEX™ Factory Management System, with which clients can realize remote work assignment and order management for the machine even by their mobile phones.



SupereX™

Non-barrier Multilayer (3-5) Co-extrusion Blown Film Line

Technical Specification

| Model | Unit | M5B-1700Q-S | M5B-2300Q-S | M5B-2800Q-S |
|------------------------|-------|--------------------------------------|------------------|------------------|
| Layer | | 5 | 5 | 5 |
| Max Layflat Film Width | mm | 1600 | 2100 | 2500 |
| Normal Thickness Range | mm | 0.03-0.15 | 0.03-0.15 | 0.03-0.15 |
| For Processing of | | LDPE, LLDPE, mLLDPE, EVA, HDPE, etc. | | |
| Screw Diameter | mm | Φ50/60/90/60/50 | Φ60/70/105/70/60 | Φ60/80/105/80/60 |
| Max Extruding Capacity | kg/h | 780 | 1230 | 1390 |
| Total Power | kw | 460 | 780 | 850 |
| Max Line Speed | m/min | 120 | 120 | 120 |
| Dimension | m | 16×8×15.5 | 18.5×10×17.5 | 18.5×11×18 |

Note: There are also other models, such as M5B-2500Q-S, M5B-3200Q-S and etc.

Application



PE Shrink Film



Stretch Hood Film



Commodity Packaging



Non-barrier Film for Food Packagin



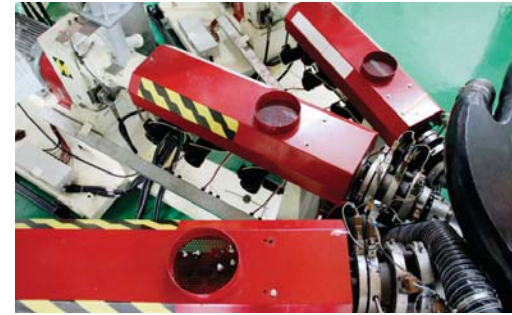
SupereX™

Barrier Multi-layer (5-9) Co-extrusion Blown Film Line

Technical Specification

| Model | Unit | M7B-1700Q-S | M9B-1300Q-S |
|------------------------|-------|--|-------------|
| Layer | | 7 | 9 |
| Max Layflat Film Width | mm | 1500 | 1200 |
| Normal Thickness Range | mm | 0.05-0.15 | 0.05-0.15 |
| For Processing of | | LDPE, LLDPE, mLLDPE, EVA, PA, EVOH, etc. | |
| Screw Diameter | mm | Φ65×2+Φ60×5 | Φ40×9 |
| Max Extruding Capacity | kg/h | 690 | 315 |
| Total Power | kw | 560 | 380 |
| Max Line Speed | m/min | 80 | 80 |
| Dimension | m | 20×8.5×14 | 19×10×12 |

Note: There are also other models, such as M7B-1500Q-S, M7B-2300Q-S and etc.



For this serial of machine, the screw and die head are specialized design for processing of PA and EVOH high barrier resins. It is mainly applied for producing five or higher layer co-extrusion structure barrier film to block gas like O₂, N₂ and CO₂ etc, so as to maintain aroma, freshness, sealing of food and extend its shelf life.

It is an integrated designed machine for adapting various resins and formulas.

To accurately control each layer thickness and layer ratio, this serial of machine equips with auto air ring and online thickness profiler as a closed-loop control system.

By applying the centralized computer control system, it can control temperature, screw speed, pressure, blower speed, nip roll, tension and line speed of the whole line. At the same time, it will display and monitor each layer temperature, pressure, current, tension, speed, film length etc. In addition, it also have the auto warning and self-diagnosis functions.



Application



- Nut Packaging



- Oil Pouch



- Meat Packaging



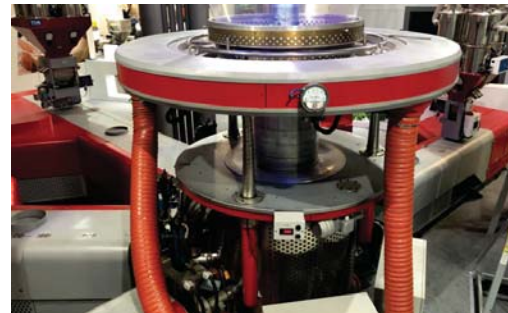
ClassicX™

Non-barrier Multilayer (3-5) Co-extrusion Blown Film Line

Technical Specification

| Model | Unit | M3B-1700Q-C | M3B-2300Q-C | M3B-2800Q-C | M5B-1700Q-C | M5B-2500Q-C |
|------------------------|-------|--------------------------------------|-------------|-------------|-----------------|-----------------|
| Layer | | 3 | 3 | 3 | 5 | 5 |
| Max Layflat Film Width | mm | 1600 | 2100 | 2500 | 1600 | 2300 |
| Normal Thickness Range | mm | 0.03-0.12 | 0.03-0.12 | 0.03-0.12 | 0.03-0.15 | 0.03-0.15 |
| For Processing of | | LDPE, LLDPE, mLLDPE, EVA, HDPE, etc. | | | | |
| Screw Diameter | mm | Φ60/80/60 | Φ70/105/70 | Φ90/105/90 | Φ60/60/70/60/60 | Φ60/60/90/60/60 |
| Max Extruding Capacity | kg/h | 560 | 950 | 1150 | 760 | 910 |
| Total Power | kw | 390 | 530 | 690 | 460 | 530 |
| Max Line Speed | m/min | 80-120 | 80-120 | 80-120 | 80-120 | 80-120 |
| Dimension | m | 16.5×7.5×13 | 18.5×9.2×17 | 18.5×9.5×18 | 17×8.8×12.8 | 18×9.8×17.5 |

Note: There are also other models, such as M3B-1300Q-C, M3B-1500Q-C, M3B-2500Q-C, M5-2300Q-C, M5B-3200Q-C and etc.



ClassicX™ (C serial) serial is a customized and high output mid-end machine launched by Jinming after optimizing the standard designed machine serial. It can meet client's higher requirements about film thickness variation, transparency, stiffness, toughness, output etc.

Based on the standard design and client's processing demands, C serial is optional for upgrading. For C serial non-barrier blown film line, there are mainly 3-layer or 5-layer co-extrusion structure with layflat film width from 450mm to 3000mm.

- Intelligent control for the whole line to improve processing management and reduce labor intensity.
- By applying the advanced technology, machine output is improved by more than 40%.
- Key components to be processed by advanced CNC imported from Europe, to ensure working stability of machine.
- References from an abundant database and simulation software ensures scientific design for machine to produce high quality film.
- Modular design for the whole to meet client's customization requirements.
- Machine possesses a wide range of adaptability for produce excellent quality film.



Application



PE Shrink Film



Non-barrier Film for Food Packaging



Stretch Hood Film



Commodity Packaging



ClassicX™

Barrier Multi-layer (5-9) Co-extrusion Blown Film Line

Technical Specification

| Model | Unit | M5B-1500Q-C | M7B-1700Q-C | M7B-2500Q-C | M9B-1700Q-C |
|------------------------|-------|--|-------------|-------------|-------------|
| Layer | | 5 | 7 | 7 | 9 |
| Max Layflat Film Width | mm | 1300 | 1500 | 2200 | 1100 |
| Normal Thickness Range | mm | 0.05-0.15 | 0.05-0.15 | 0.05-0.15 | 0.05-0.15 |
| For Processing of | | LDPE, LLDPE, mLLDPE, EVA, PA, EVOH, etc. | | | |
| Screw Diameter | mm | Φ75/55/55/55/75 | Φ65×2+Φ60×5 | Φ75×2+Φ65×5 | Φ65×4+Φ60×5 |
| Max Extruding Capacity | kg/h | 545 | 690 | 930 | 930 |
| Total Power | kw | 420 | 560 | 700 | 660 |
| Max Line Speed | m/min | 80 | 80 | 80 | 80 |
| Dimension | m | 16×8×13.5 | 20×8.5×14 | 22×10×17 | 22×10×15 |

Note: There are also other models, such as M5B-1700Q-C, M5B-2800Q-C, M7B-1300Q-C, M7B-2300Q-C, M9B-900Q-C, M9B-1300Q-C, M9B-2500Q-C and etc.



For this serial of machine, the screw and die head are specialized design for processing of PA and EVOH high barrier resins. It is mainly applied for producing five or higher layer co-extrusion structure barrier film to block gas like O₂, N₂ and CO₂ etc, so as to maintain aroma, freshness, sealing of food and extend its shelf life.

It is an integrated designed machine for adapting various resins and formulas.

To accurately control each layer thickness and layer ratio, this serial of machine equips with auto air ring and online thickness profiler as a closed-loop control system.

By applying the centralized computer control system, it can control temperature, screw speed, pressure, blower speed, nip roll, tension and line speed of the whole line. At the same time, it will display and monitor each layer temperature, pressure, current, tension, speed, film length etc. In addition, it also have the auto warning and self-diagnosis functions.



Application



- Nut Packaging



- Cooked Food Packaging



- Air Cushion Bag



- Meat Packaging



ClassicX™

Multi-layer (3-5) Co-extrusion Blown Film Line for Agricultural Film

Technical Specification

| Model | Unit | M3N-14000 | M3N-16000 | M3N-20000 | M5N-14000 | M5N-20000 |
|------------------------|-------|---|--------------|-----------|------------|---------------|
| Layer | | 3 | 3 | 3 | 5 | 5 |
| Max Layflat Film Width | mm | 14000 | 16000 | 20000 | 14000 | 20000/16000PO |
| Normal Thickness Range | mm | 0.06-0.12 | 0.06-0.12 | 0.06-0.12 | 0.06-0.12 | 0.06-0.12 |
| For Processing of | | LDPE, LLDPE, mLLDPE, HDPE, EVA, POE, etc. | | | | |
| Screw Diameter | mm | Φ130/160/130 | Φ150/160/150 | Φ160×3 | Φ130×5 | Φ150×5 |
| Max Extruding Capacity | kg/h | 1400 | 1600 | 1800 | 2000 | 2500 |
| Total Power | kw | 1200 | 1600 | 1850 | 1650 | 2700 |
| Max Line Speed | m/min | 25-35 | 25-35 | 25-35 | 25-35 | 25-35 |
| Dimension | m | 19×15.5×23 | 24×16×28 | 26×15×30 | 19×16×24.5 | 32×15×32 |

Note: There are also other models, such as M3N-10000, M3N-12000, M3N-24000, M5N-10000, M5N-12000, M5N-16000, M5N-24000 and etc.

This serial of machine is made up of the home and abroad advanced technology with capabilities to produce max width 24m, which is adaptable to produce LLDPE, MLLDPE, LDPE, HDPE, EVA resins.

This line equips with low-body type central feeding die head, IBC, auto winder and also integrated with several patented mechanical, electrical, pneumatic hydraulic technologies.

This line features with compact structure, stable running, efficient production, low energy consumption and reliable performance, good product quality and excellent plasticizing.

The agricultural film made from Jinming machine is integrated with functions of high strength, anti-aging, anti-dripping, transmittance, heat preservation etc.

Coating PO film has the following advantages.

- A wide adaptability for resins, for example, either expensive or inexpensive EVA materials can produce the same transparent, soft, good heat preservation film.
- Excellent anti-dripping function, which is as long as its service life. (approx. 2-5 years)
- Excellent anti-dust function with high transmittance and slow aging.
- Excellent mechanical property, which is good for down gauging.

Jinming PO coating machine is capable to produce max 16m (layflat 8m) width film, which has applied the following technologies.

- Die head is alternative to be 3-layer or 5-layer co-extrusion central feeding radial distribution structure, which is milled in imported CNC center to ensure film to have even thickness variation.
- Optional upgrading for auto air ring, which will increase film horizontal thickness variation by 30%.
- Equip with swing type folding winder.
- Equip with centralized auto computer control system.



Application



Greenhouse Film



Mulch Film



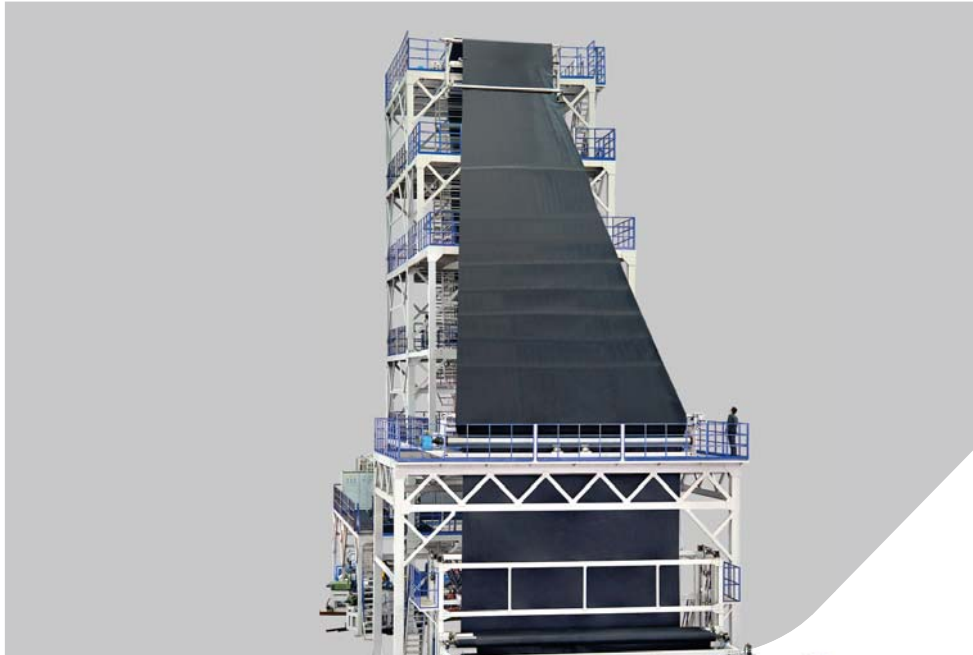
Silage Film



Industrial Liner Bag



Flexitank



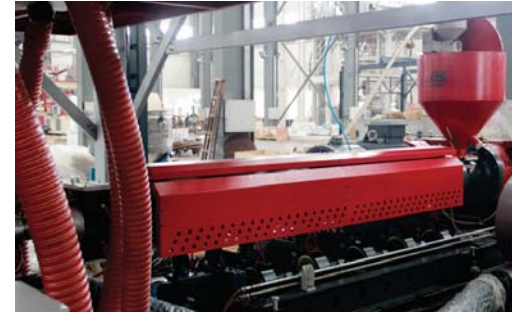
ClassicX™

Multi-layer (3-5) Co-extrusion Blown Film Line for (Smooth/Textured Surface) Geomembrane Film

Technical Specification

| Model | Unit | M3T-6000 | M3T-7000 | M4T-8000 |
|------------------------|-------|--------------------------------------|----------|----------------|
| Layer | | 3 | 3 | 4 |
| Max Layflat Film Width | mm | 6000 | 7000 | 8000 |
| Normal Thickness Range | mm | 0.5-2.5 | 0.5-2.5 | 0.5-2.5 |
| For Processing of | | LDPE, LLDPE, mLLDPE, HDPE, EVA, etc. | | |
| Screw Diameter | mm | Φ150×3 | Φ160×3 | Φ80/160/160/80 |
| Max Extruding Capacity | kg/h | 1600 | 1800 | 1500 |
| Total Power | kw | 1450 | 1850 | 1480 |
| Max Line Speed | m/min | 8-25 | 8-25 | 8-25 |
| Dimension | m | 24×15.5×24.5 | 24×16×28 | 28×16×28 |

Note: There are also other models, such as M3T-5000, M3T-8000, M4T-7000 and etc.



Geomembrane film is widely used in construction industry, such as refuse landfill, roads and bridge, tunnels, landscape, sewage pool etc. Due to smooth surface, in actual practice traditional geomembrane film friction coefficient is low which is easy to slip when it contacts with soil, especially on ramp, the instability advantage has become obvious. However, the textured surface geomembrane film will solve this issue thoroughly.

Jinming is capable to produce max 8m width geomembrane film with either smooth or textured surface structure. Among them, the textured surface is produced by one-station co-extrusion technics. The chemical resistance, resistance to environment stress cracking, low-permeability indexes of film are totally qualified. At the same time, client can add white, black or other functional additives if necessary.

Based on market requirements, Jinming has launched a serial of geomembrane film machine, which can produce double-side smooth surface film, or single-side textured surface film or double-side textured surface film. In addition, the size of welding section can be flexibly adjusted.



Application



Waterproof Film On Road And Pond



Waterproof Film On Tunnel



Landfill



ClassicX™

Multi-layer (3-5) Co-extrusion Blown Film Line for (FFS) Heavy Duty Film

Technical Specification

| Model | Unit | M3B-900Q-C | M5B-900Q-C |
|------------------------|-------|--------------------------------------|-----------------|
| Layer | | 3 | 5 |
| Max Layflat Film Width | mm | 750 | 750 |
| Normal Thickness Range | mm | 0.03-0.20 | 0.03-0.20 |
| For Processing of | | LDPE, LLDPE, mLLDPE, HDPE, EVA, etc. | |
| Screw Diameter | mm | φ60/80/60 | φ60/70/80/70/60 |
| Max Extruding Capacity | kg/h | 560 | 970 |
| Total Power | kw | 350 | 600 |
| Max Line Speed | m/min | 60 | 60 |
| Dimension | m | 15×8×17 | 15×10×17 |

Note: There are also other models, such as M3B-1300Q-C, M5B-1300Q-C and etc.



Compared with mono-layer PE blown film, multi-layer co-extrusion blown film line has incomparable mechanical properties. Therefore, Jinming has launched this serial of multi-layer co-extrusion blown film line, which has a wide adaptability for resins to each layer with various functions, such as toughness, stiffness, anti-block, dampproof, transparency, sealing etc. The FFS film is widely used in chemical, food, fertilizer packaging and heavy-duty bag, carry bag or garbage bag, which can be used as printing or lamination film.

This machine is made up of blown film line and printing machine for the one-station processing of film production, printing, embossing, gusseting and re-winding.

There are 3-layer and 5-layer structure for this serial of machine with max layflat film width 750mm.

- Perfect resin adaptability to produce functional film.
- The optimized extruding cooling system will efficiently improve output and ensure stability for continuous running.
- Optional for equipping with online printing, embossing, gusseting and re-winder.



Application



Material Bag Packaging



Heavy Duty Bag



Stretch Hood Film



ClassicX™

Multi-layer (2-3) Co-extrusion Blown Film Line for TPU Breathable Film

Technical Specification

| Model | Unit | M2B-1700Q-C | M2B-2300Q-C | M2B-2800Q-C | M3B-3200Q-C |
|------------------------|-------|----------------------------------|-------------|---------------|-------------|
| Layer | | 2 | 2 | 2 | 3 |
| Max Layflat Film Width | mm | 1600 | 2100 | 2500 | 3000 |
| Normal Thickness Range | mm | TPU 0.015-0.05mm; PE 0.01-0.03mm | | | |
| For Processing of | | TPU, PE | | | |
| Screw Diameter | mm | Φ75×2 | Φ80×2 | Φ90×2 | Φ90×3 |
| Max Extruding Capacity | kg/h | 320 | 400 | 460 | 690 |
| Total Power | kw | 250 | 380 | 388 | 485 |
| Max Line Speed | m/min | 80 | 80 | 80 | 80 |
| Dimension | m | 15×7×11.5 | 17×7×14.5 | 18.4×9.4×14.5 | 18.5×10×15 |

Note: There are also other models, such as MB-2800T, M2B-600, M2B-2500Q-C, M3B-2800Q-C and etc.



By applying imported simulation software and based on TPU performance, Jinming has launched a series of specialized design machine to produce TPU film. The die head design has fully taken into consideration of the rheological principle, such as to decrease melt pressure consumption, shorten melt remaining time, comply with min and max shear rate and ensure no instable boundary, but even elastic deformation without retention areas.

Given that TPU film features with tensile elasticity, this serial of machine has also upgraded the nip roll system to achieve constant tension on a closed-loop so as to ensure stability.

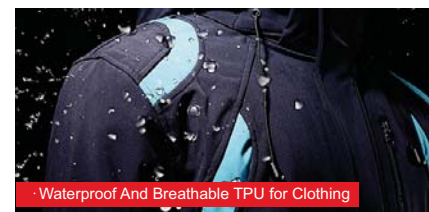
The machine equips with the multi-functional winder, which not only ensure small winding tension for TPU film but also apply stable taper control system. In addition, this winder also integrated with auto film cutting, reel changing, roll discharging, trim cutting functions, which has greatly decrease labor intensity.



Application



- Waterproof and Breathable TPU for Textile Or Leather



- Waterproof And Breathable TPU for Clothing



- TPU for Mattress Or Home Textile Products

- POF Shrink Film Extrusion Machine Line
- High-barrier Shrink Film Extrusion Machine Line



ClassicX™

Multi-layer (3-9) Multi-bubble Co-extrusion Blown Film Line for POF or High Barrier Shrink Film

Technical Specification

| Model | Unit | MS3R-2700Q-C | MS5R-2700Q-C | MS5R-3600Q-C | MS9R-1800Q-S |
|------------------------|-------|-------------------------|-----------------|--------------|------------------|
| Layer | | 3 | 5 | 5 | 9 |
| Max Layflat Film Width | mm | 2500 | 2500 | 3400 | 1600 |
| Normal Thickness Range | mm | 0.012-0.025 | 0.012-0.025 | 0.012-0.025 | 0.02-0.05 |
| For Processing of | | LDPE, LLDPE, mLLDPE, PP | | | PE, PP, PA, EVOH |
| Screw Diameter | mm | Φ70/110/70 | Φ80/70/90/70/80 | Φ80×5 | Φ60×9 |
| Max Extruding Capacity | kg/h | 510 | 850 | 1000 | 810 |
| Total Power | kw | 780 | 1000 | 1100 | 1300 |
| Max Line Speed | m/min | 140-200 | 140-200 | 140-200 | 200 |
| Dimension | m | 15×10×18 | 15×12×24 | 19×12.5×26 | 31×13×21 |

Note: There are also other models, such as MS3R-2200Q-C and etc.



Jinming has launched a serial of multi-layer multi-bubble shrink film machine by absorbing the home and abroad advanced technology. This serial of machine equips with advanced multi-layer co-extrusion die head, cooling and forming system, infrared heating system, temperature control system with power adjusting modules, infrared temperature detecting system, tension control system, and shaftless turret winder.

Shrink film made from this kind of machine is widely used in packaging of food, beverage, medicine, health care products, stationery, cosmetics, handicraft, notebook, CD, electrical accessories, equipment, toys etc.

For this serial of machine, Jinming is capable of providing the models of 3-layer, 5-layer, 7-layer and 9-layer co-extrusion structure with product layflat width from 1600mm to 3400mm.

Applicable for processing PA, EVOH structure high barrier shrink film for vacuum packaging with aroma, freshness preservation, anti-corrosion, air proof function to extend service life of food.

Excellent adaptability for resins to meet requirement to produce good quality and high output film. For PP/PE/PP structure POF shrink film, it features with high transparency, low temperature resistance, rub resistance, high shrink rate etc.



Application



POF Film for Beverage Packaging



POF Film for Commodity Packaging



High Barrier Film for Meat Packaging



This series of machine is made of domestic and overseas advanced technology. It can produce high barrier symmetrical and asymmetrical structure film with good transparency and high mechanical strength and the barrier layer max can be 4 layers. This type of machinery will produce film for packing of food, agricultural and sideline products, pharmaceutical products (like oral drug, medical injection, plasma, instruments), chemical products, and daily necessities etc.

It is an integrated modular design machine. In terms of various formulas and processing requirements, there are some optional upgrading components, such as auto die head, dual-lip water ring, vacuum tank, oscillator etc.

For Jinming water quench serial blown film line, there are options for 3-layer, 5-layer, 7-layers structure with layflat film width from 450mm to 1250mm.



SupereX™

Barrier Multi-layer (5-9) Co-extrusion Water Quench Blown Film Line

Technical Specification

| Model | Unit | MX5B-1200Q-C | MX7B-1200Q-C | MX9B-1500Q-S |
|------------------------|-------|---|--------------|--------------|
| Layer | | 5 | 7 | 9 |
| Max Layflat Film Width | mm | 1025 | 1250 | 1300 |
| Normal Thickness Range | mm | 0.06-0.25 | 0.06-0.25 | 0.06-0.25 |
| For Processing of | | LDPE, LLDPE, mLLDPE, EVA, PA, EVOH, PVA, etc. | | |
| Screw Diameter | mm | Φ60×5 | Φ75×1+Φ60×6 | Φ65×4+Φ60×5 |
| Max Extruding Capacity | kg/h | 250 | 640 | 930 |
| Total Power | kw | 285 | 530 | 660 |
| Max Line Speed | m/min | 60 | 60 | 80 |
| Dimension | m | 12×8×8.5 | 17×8.5×13 | 18×10.6×13.2 |

Note: There are also other models, such as MX5B-900Q-C, MX7B-900Q-C and etc.

Application





ClassicX™

Non-barrier Multilayer (3-5) Co-extrusion Water Quench Blown Film Line

Technical Specification

| Model | Unit | MX3B-900Q-C | MX3B-1200Q-C | MX5B-1200Q-C |
|------------------------|-------|------------------------------------|--------------|-----------------|
| Layer | | 3 | 3 | 5 |
| Max Layflat Film Width | mm | 750 | 1025 | 1025 |
| Normal Thickness Range | mm | 0.06-0.25 | 0.06-0.25 | 0.06-0.25 |
| For Processing of | | LDPE, LLDPE, mLLDPE, PP, EVA, etc. | | |
| Screw Diameter | mm | Φ50/80/55 | Φ55/80/55 | Φ55/50/80/50/55 |
| Max Extruding Capacity | kg/h | 240 | 260 | 340 |
| Total Power | kw | 280 | 300 | 360 |
| Max Line Speed | m/min | 25 | 25 | 25 |
| Dimension | m | 12.5×6×9.1 | 13×7×9.5 | 13×8×9.5 |

Note: There are also other models, such as MX3B-600Q-C, MX5B-900Q-C and etc.



Based on rich experience, taking into consideration of material processing properties and rheological principle, Jinming has launched a series of extruding system for various materials by continuous simulation optimized designing. The precisely produced extruders are of great corrosion resistance and abrasive resistance and feature with high output, low energy consumption and well plasticization.

The centralized computer control system will control machine processing parameters, such as temperature, screw speed, IBC, line speed, tension etc., and auxiliary components, like air ring blower, bubble cage, collapsing frame, oscillator, winder etc. At the same time, it will display and monitor each layer extruder temperature, pressure, current and film tension, line speed, film length, film width and etc., with auto warning and self-diagnosis function.



Application



Flower Packaging



Pharmaceutical Packaging



Clothing Packaging



Infusion Bag

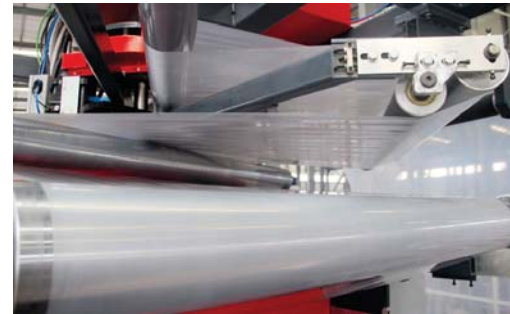


ValueX™

Non-barrier Multi-layer Co-extrusion Blown Film Line

Technical Specification

| Model | Unit | M3B-1700Q-V | M3B-2000Q-V | M3B-2300Q-V |
|------------------------|-------|--------------------------------------|---------------|---------------|
| Layer | | 3 | 3 | 3 |
| Max Layflat Film Width | mm | 1600 | 1800 | 2100 |
| Normal Thickness Range | mm | 0.03-0.12 | 0.03-0.12 | 0.03-0.12 |
| For Processing of | | LDPE, LLDPE, mLLDPE, EVA, HDPE, etc. | | |
| Screw Diameter | mm | Φ50/70/50 | Φ60/70/60 | Φ60/80/60 |
| Max Extruding Capacity | kg/h | 380 | 480 | 560 |
| Total Power | kw | 245 | 300 | 380 |
| Max Line Speed | m/min | 60 | 60 | 60 |
| Dimension | m | 12.6×7.5×10.2 | 15.2×7.5×11.3 | 15.3×7.5×12.3 |



Based on rich experience, taking into consideration of material processing properties and rheological principle, Jinming has launched a serial of extruding system for various materials by continuous simulation optimized designing. The precisely produced extruders are of great corrosion resistance and abrasive resistance and feature with high output, low energy consumption and well plasticization.

This serial equipped with a horizontal oscillator with $\pm 360^\circ$ reversing structure, will enable even thickness variation for each point on the film when it comes out from the die head, so that avoid gauge bang and enhance winding flatness.

The auto surface winder integrates functions of flattening, tension control, metering, auto film loading, cutting, reel changing etc. It applies constant tension control system, which will automatically chase film by its surface tension to improve winding flatness.



Application



· PE Shrink Film



· PE Lamination Film



· Non-barrier Packaging For Food

Partnership



 Business Partner

Jinming has been positively looking for cooperation with upstream and downstream industries. By far, Jinming has built up cooperation with ExxonMobil, Borouge, BASF, SIEMENS, SABIC and etc. Through joint effort with business partners, Jinming will continuously provide high value products and services to our customers, and also to contribute our effort for the development of film machinery industry.

Jinming has provided more than **3,000** units of machine to customers in over **50** countries and regions all around the world.

