XINRUI
新锐

QINGDAO XINRUI PLASTIC MACHINERY CO.,LTD

Plastic Board/Sheet Production Line






公司简介▸▸▸

青岛新锐塑料机械有限公司是集研发、制造、销售、服务于一体的专业从事塑料加工成套设备制造的科技知识密集型企业。

公司始终遵循“客户第一、诚信经营、人尽其才、团队协作、开拓创新、锐意进取”的宗旨，悟守对用户的品质承诺，注重人才的引进和培养，并与多家科研院校密切联系合作，拥有雄厚的技术力量和完善的检测手段，集先进的技术优势及精密的生产设备于一体，汇集了一批具有研发、制造塑料加工成套设备的多年工作经验的技术人员，对塑料工艺和塑料机械设计配套有着深刻的理解和经验积累，保证了塑料机械制造的高品质、高性能。

COMPANY PROFILE

Enterprise mission:

To Build A Growing Platform For Staffs; To Creat A Higher Value For Customers; To Make A Remarkable Contribution For China

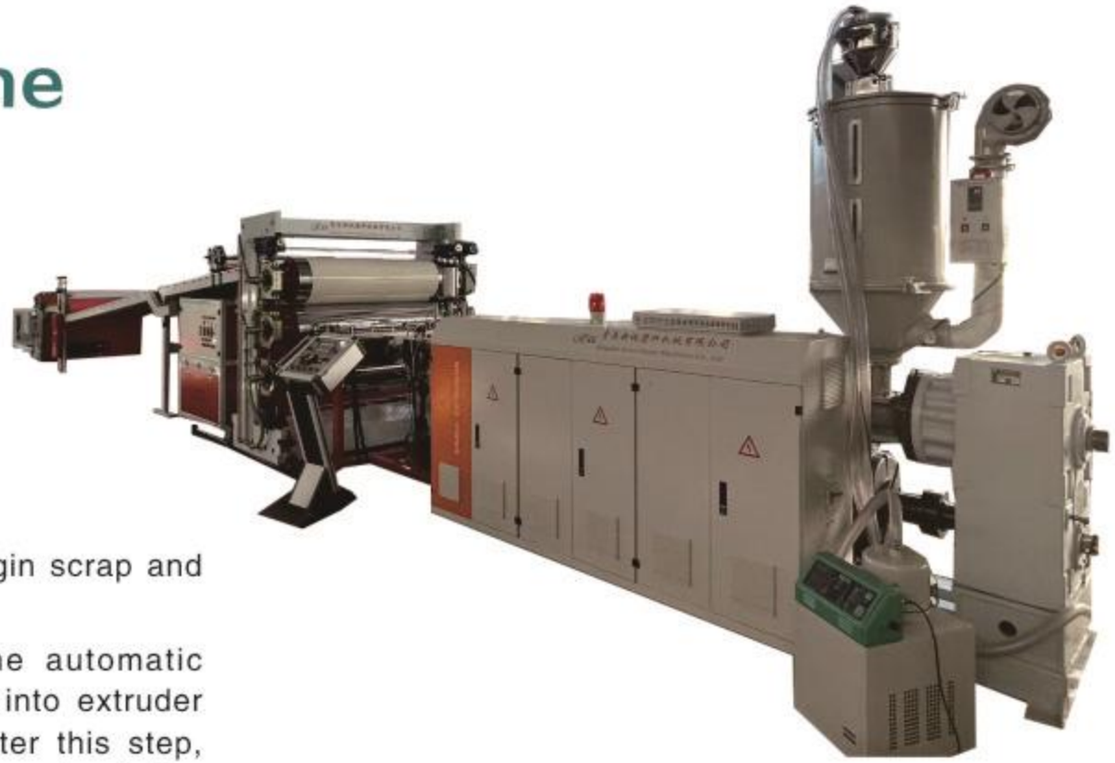
Enterprise Value:

Customer First, Credit Management, Hardworking Staff ,Collaborative Team; Exploration innovation, Determination Progression

Enterprise Vision:

Establishing Leading Extrusion Technology Enterprise; Creating XinRui Plastic Machinery Centurial Brand

PP PE Board Production Line



PP PE Board sizes

Board Width:1200–2000mm,
Board Thickness:1–15mm,
Length:Customzied.

Machine Introduction

1. PP PE board making machine is suitable to recycled and virgin scrap and granule.
2. This machine adopts PLC control system to achieve the automatic temperature control and motor driving. The material loaded into extruder would be heated and melted to get better plasticization. After this step, material would be pre–formed in the die and finally formed in the calendaring and cooling system. This machine could achieve fixed–length cutting.
3. PP PE board making machine adopts Siemens motor,ABB inverter,Schneider contactor and Siemens PLC control system and Siemens touch screen.Reliable electrical components and special designed program could guarantee the machine running smoothly,save power and reduce the waste.







PP PE Thick Board Production Line

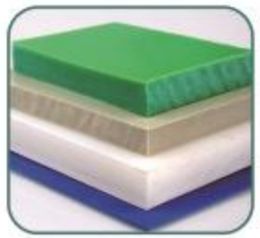
PP PE Board sizes

Board Width:1200–3600mm,
Board Thickness:3–40mm,
Length:Customzied.
We could design the machine and mould according to your sizes.



Machine Introduction

1. PP PE board making machine is suitable to recycled scrap and virgin granule.
2. This machine adopts PLC control system to achieve the automatic temperature control and motor driving. The machine model would be associated with board thickness &width and output per hour,this machine could reach the output 900kg/h.
3. This machine could achieve automatic thickness adjust by specially designed program and servo motor control.This patented system could reduce the material wastage and make the operation easier.
4. This machine could produce high–precision board and the size error is ± 0.02mm
5. PP PE board making machine adopts Siemens motor,ABB inverter,Schneider contactor and Siemens PLC control system and Siemens touch screen.Reliable electrical components and special designed program could guarantee the machine running smoothly,save power and reduce the waste.







ABS PC PS PP PE Sheet Production Line

Application

ABS/PC Baggage sheet:
It is mainly applied in field of draw-bar boxes, luggage cases, recreation bags, etc.

ABS/HIPS/GPPS sheet:
It has wide application in production of refrigerator door and inner gallbladder, drawers, water dispensers, etc.

ABS/PMMA Sanitary ware sheet:
It is widely applied in the field of bath products, such as the bathtub, the shower cabinet, the vapor room, washing bowl, etc.

ABS + PC Car sheet:
It is mainly used in to produce tops of cars and buses, instrument boards, backrest, car doors, window frames, shells of the motorcycles, golf vehicles, etc

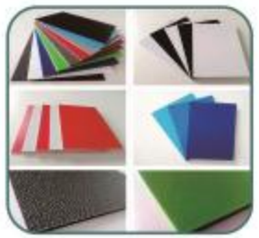


Machine Introduction

1. Special screw design could efficiently increase the plasticization;
2. Gearbox adopst heavy-duty gear and bearing which could guarantee long-time and stable running.
2. Coextrusion technology could produce both single-layer and multi-layer board.
3. Extrusion T die could be fine adjusted by die lip and die material is 5CrNiMo
4. Equipped with embossing system,this machine could produce embossing pattern ABS sheet.







PP PE PS Thermoforming Sheet Making Machine

Application

Due to excellent anti-oxygen and aniti-humidity feature,PP PE PS sheet is widely used in food containers, food packing,cups, tubs, bottles, buckets, DVD cases and such kind of thermoforming and packaging application



PP PE PS Sheet Size

Width:600-1200mm
Thickness:0.15-2mm

Machine Description

1) Gravimetric dosing system can realize proportionally precise mixing of several types of raw materials components.
2) Hydraulic screen changer can effectively block the impurities from the raw material.
3) Advanced Melt gearing pump is equipped to guarantee the raw material pressure more stable.
4) T-die and online thickness scanner are equipped together to ensure the sheet thickness more uniformed and even
5) Three roller calendars can adopt horizontal type, oblique type, vertical type or other angles type designs to meet different types of sheets extrusion. The driving system of the roller calendars can be with common AC motor control or servo motors control.







PET Sheet Production Line

Application

PETG is also called low temperature PET, and it is a new environment–friendly packing material with features such as high luster, good transparency, excellent property, self–adhesion, which is used for glue bonding and high frequency processing.

PET stereoscopic optical sheets can be used as top grade package for cosmetics, medicine, tobacco and alcohol and common goods such as stationery, advertisements, posters and all kinds of cards etc.



PET Sheet Size

Width:600–1200mm
Thickness:0.15–1.5mm

PET Sheet Production Line Description

1) The machine could adopt single screw extruder or parallel extruder according to the material situation and output capacity.This machine could process 100% bottle flakes and virgin material.
2) T–die and online thickness scanner are equipped together to ensure the sheet thickness more uniformed and even
3) Three roller calendars can adopt horizontal type, oblique type, vertical type or other angles type designs to meet different types of sheets extrusion. The driving system of the roller calendars can be with common AC motor control or servo motors control.





PVC Crust Foam Board Production Line



PP PE Board sizes

This production line could produce furniture board,door board,advertising board and building template by adjust formulation

Board thickness:3–40mm

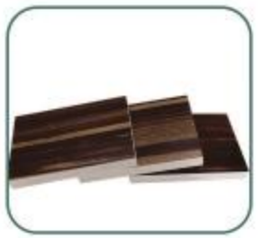
Board width:915mm/1220mm/1830mm/2050mm

Brief Introduction

1. Extruder adopts bimetal screw and barrel of high abrasion resistance and corrosion resistance that could largely increase lifetime of screw and barrel.
2. Extrusion die adopts P20 material which is of higher strength,longer service time and easier operation than traditional die material.
3. Calibration cooling platform is with superior cooling effect which could improve the crust quality.
4. Board surface treatment could be laminated,heat transferred,printed and UV coated.
5. This production line is equipped with all requested auxiliary machines as mixer,pulverizer,crusher,chiller,mould temperature controller,dust collector and so on.
6. High quality electrical components and optimized electric design could ensure stable production and low maintenance.







PVC Marble Sheet Production Line

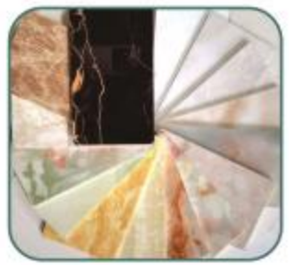
1. This production line is equipped with conical double-screw extruder,die,vertical three-roller calender(with lamination and hot stamping device),cooling bracket,haul-off,cutter and robot conveyor.
2. Extruder adopts bimetal screw and barrel of higher abrasion and corrosion resistance which could increase service lifetime.
3. Calender roller is processed with the treatment of polish and chromeplate that could increase the product quality.
4. According to the customer's request,could choose lamination film and hot stamping film.
5. Could be equipped with UV coating machine and it could improve gloss,abrasion resistance and corrosion resistance,product quality and beauty is improved obviously.











PP Hollow Corrugated Sheet Producion Line

Application

PP hollow corrugated sheet is also named as corflute sheet,plastic fluted sheet, cartonplast sheet,coroplast sheet which is made of polypropylene(PP) resin and filers.The raw material could be recycled and virgin.PP corrugated sheet could be easily processed as die-cutting,sealing,welding,bending,CNC engraving and printing,etc.

PP hollow corrugated sheet is widely used in the field of packaging,advertising,protection and stationary,etc.



Corrugated sheet sizes

Corrugated sheet width: 1220-3000mm
Corrgated thickness:1.5-12mm
Weight:170-6000gsm

Description

1. Single screw extruder adopts specially designed screw L/D 36:1 which could improve the plasticization and increase the proportion of fillers;
2. Equipped with melt gear pump that could supply stable pressure to the T-die;
3. T-die adopts high quality 5CrNiMo mould steel with the feature of high-strength,long lifetime and corrosion resistance.
4. Haul off adopts high quality NBR material







Plastic PP PE Construction Formwork Production Line

Application

Hollow plastic formwork is weather resistant,rain and shine is no longer an issue.It is lighter and easier to carry that could release worker from heavy labor.Manual operation,no crane required as well as reduce 20% labor cost than plywood.It is user–friendly, work well with saw,nail,drill and cut,etc.



Construction Formwork sizes

Formwork width: 915mm&1220mm
Formwork length:1830mm&2440mm
Formwork thickness:12–15–18mm

Plastic Construction Formwork Machine Description

1.Coextrusion technology

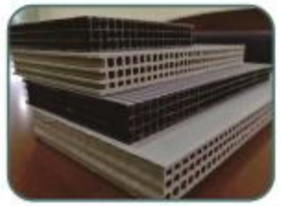
2.Special exhaust type screw design could efficiently increase the plasticization and output

3.Optimized electrical design could achieve automatic control on adjustment and control precisely.

4.Machine adopts Siemens motor,ABB inverter,Schneider contactor and Omron temperature controller.Reliable electrical components and special designed program could guarantee the machine running smoothly,save power and reduce the waste.







PE Cable Protection Warning Tile Making Machine

Application

Polyethylene cable tiles and boards constitute warning, protection and marker system for use in all ground conditions. Being extremely tough and long lasting they offer ideal protection to all underground services.

Each tile is supplied with a peg allowing strong longitudinal joining for uninterrupted protection. Produced polyethylene tiles and boards are extremely tough and do not tend to crack.



Sheet sizes

Sheet dimensions:Width:150–450mm
Thickness:3–12mm,Length:1000mm

Machine description

1. This machine could process 100% recycled material
2. The extruder is equipped with exhaust type screw and barrel which could ensure the vaporization of moisture
3. The film lamination device is assembled in the production line.
4. Online slitting knives could achieve different width of the cable protection tile.
5. Fixed–length cut precisely and automatically






PC PMMA Board Production Line

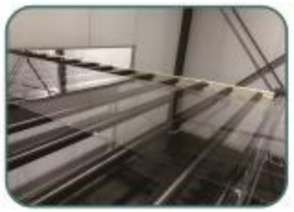
Application

PC solid sheet is widely used for architecture glazing, window shield, interior decoration, sound barrier, advertisement and signage, security & protection, Industrial manufacturing etc.

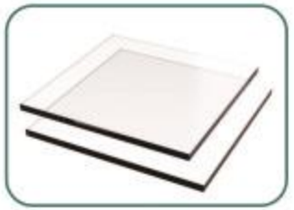
PMMA board (Acrylic board)Application of product: common PMMA plate is mainly used in the field of advertisement, decoration, art ware, escutcheon and specimen etc; the electroplated plate is used for plastic mirror; Light panel is used for ultra light box, flat panel display lamp of LED, poster stand and advertising decoration etc. LCD panel can be used for the display of computer and television. Leader Machinery plate extrusion line is suitable for producing the PMMA or PC diffusion plate.











Machine description

1. Dehumidifying and drying system could reduce the moisture in the material
2. Special long L/D ratio screw design could efficiently increase the plasticization.
3. By changing pattern rollers,could produce matte embossing sheet.
4. Mould adopts cloth–cloth type
5. Calender is associated with Servo motor and PLC control system which could achieve precise running and stable production.



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