

WPC

JWELL®



上海金纬挤出机械制造有限公司产品 Shanghai Jwell Extrusion Machinery Co., Ltd.

- PET、PVDF光学膜、太阳能电池背板、电路板涂布生产线
 - PC、PP、PE中空格子板生产线
 - PVC、PE、TPO宽幅地板革、防水卷材生产线
 - PVC窗型材、扣板、窗台板、挂壁板、波浪板等型材生产线
 - PVC、PP、PE木塑型材生产线、PVC结皮发泡板材线
 - PVC、PE、PET、PP、PS、PC、ABS、PMMA等各种塑料挤出机
 - PP无纺布挤出机、熔喷挤出机和化纤纺丝（纺涤纶、锦纶、丙纶、氨纶丝用）挤出机
- 总经理电话：13916215585 邮箱：salbc@jwell.cn

上海金纬管道设备制造有限公司产品（详见专门样本） Shanghai Jwell Pipe Equipment Co., Ltd. (See Special Catalogue)

- JWSB系列大口径HDPE/PVC双壁波纹管、加筋管挤出生产线
 - 大口径PE埋地供水管、MDPE燃气管、UPVC管材挤出生产线
 - 特殊用途的小型单壁、双壁波纹管（Ø8-Ø75）挤出生产线
 - PE-RT非交联耐热水管、PEX交联地暖管、PP-R、PP-B新型水管挤出生产线
- 总经理电话：13501844613 邮箱：infilhm@jwell.cn

上海金纬片板膜设备制造有限公司产品（详见专门样本） Shanghai Jwell Plate & Sheet Equipment Co., Ltd. (See special catalogue)

- PE、PP、PS、ABS、PET、PC、PMMA单层、多层片材、板材生产线
 - PC、PMMA光学片材、PP石粉环保片材、PP麻纤维片材生产线
- 总经理电话：13817069956 邮箱：salmat@jwell.cn

上海金纬光学膜精密设备有限公司产品（详见专门样本） Shanghai Jwell Optical Film Precision Equipment Co., Ltd. (See Special Catalogue)

- 在线涂布复合生产线
 - 锂电池隔膜生产线
 - PC、PMMA光学片材生产线
- 总经理电话：13501675166 邮箱：sala@jwell.cn

上海杰伟机械制造有限公司产品（详见专门样本） Shanghai Jwell Machinery Co., Ltd. (See special catalogue)

- 各种板式、柱式换网器
 - 各种多层共挤分配器、模块组合式分配器
 - 各种衣架式片板材专用平模头
- 总经理电话：13482465160 邮箱：salkb@jwell.cn

上海金纬化纤机械制造有限公司产品（详见专门样本） Shanghai Jwell Chemical Fibre Machinery Co., Ltd. (See Special Catalogue)

舟山金纬螺杆制造有限公司产品（详见专门样本） Zhoushan Jwell Screw & Barrel Co., Ltd. (See Special Catalogue)

苏州金纬机械制造有限公司产品（详见专门样本） Suzhou Jwell Machinery Co., Ltd. (See special catalogue)

- PVC、PE大口径管材生产线
 - JWSB系列大口径HDPE/PVC双壁波纹管、加筋管挤出生产线
- 总经理电话：13732615688 邮箱：salbn@jwell.cn

苏州大云塑料回收辅助设备有限公司产品（详见专门样本） Suzhou Dyun Recycling Machinery Co., Ltd. (See special catalogue)

- 各种强力破碎机、重型破碎机、静音破碎机、大产量薄膜破碎机
 - 大口径管材回收撕碎机组、各种单轴轻重撕碎机
- 总经理电话：13962626388 邮箱：salam@jwell.cn

苏州金纬机械制造有限公司片板膜设备分公司产品（详见专门样本） Suzhou Jwell Machinery Co., Ltd. Plate and Sheet Equipment Branch (See Special Catalogue)

- JWP系列PC、PS、PP、PE、PMMA单层及多层片材板材生产线
 - JWP系列APET、PETG、CPET片材生产线
 - JWP系列PP、PE、ABS、PVC、PET厚板生产线
- 总经理电话：13962629288 邮箱：saldi@jwell.cn

苏州金纬中空技术有限公司产品（详见专门样本） Suzhou Jwell Plastic Machinery Co., Ltd. (See Special Catalogue)

- 1-20L多模头双工位高效中空成型设备
 - 25-1000L中大型中空成型设备
- 总经理电话：13773009188 邮箱：salfs@jwell.cn

苏州杰威尔精密机械有限公司产品（详见专门样本） Suzhou Jwell Precision Machinery (See Special Catalogue)

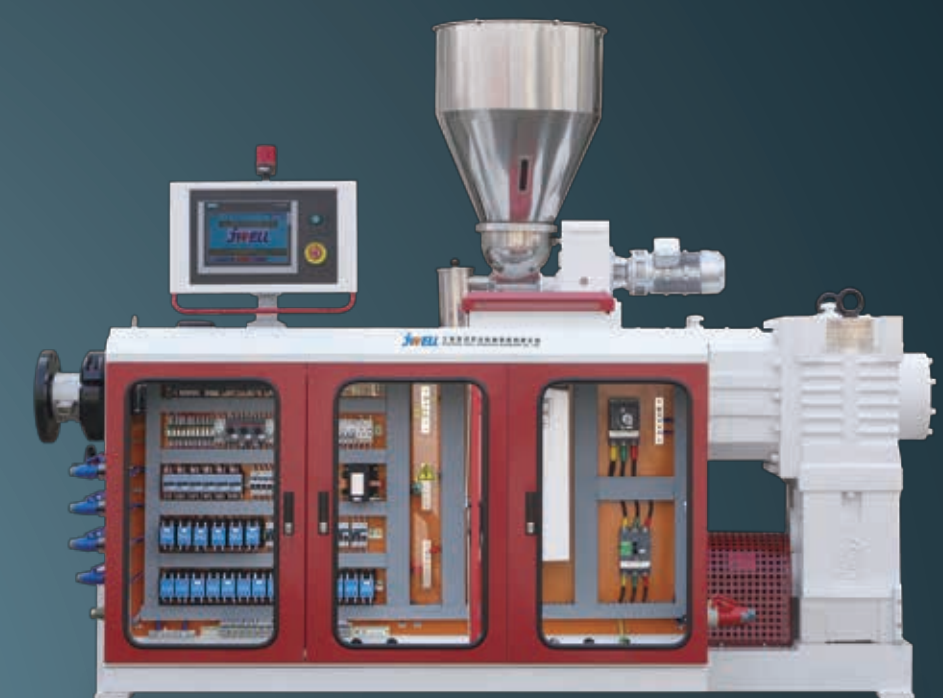
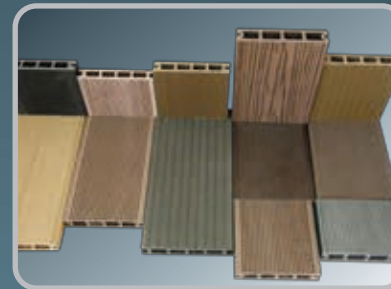
- 各种塑料、化纤挤出机用单螺杆、机筒
 - 各种塑料片板膜设备镜面辊
- 总经理电话：13732615688 邮箱：salbn@jwell.cn

金纬机械常州有限公司产品（详见专门样本） Changzhou Jwell Machinery Co., Ltd. (See Special Catalogue)

- 立式和卧式HDPE/PP/PVC大口径双壁波纹管及加筋管生产线
 - PVC窗型材、扣板、窗台板、挂壁板等型材生产线
- 总经理电话：18851217588 邮箱：infwl@jwell.cn

常州金纬挤出机械制造有限公司（详见专门样本） Changzhou Jwell Extrusion Machinery Co., Ltd. (See special catalogue)

- PVC/PP/PE木塑型材生产线
 - PVC/PP/PE/PET各种造粒线
- 总经理电话：13818017704 邮箱：infs@jwell.cn



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WOOD & PLASTIC MACHINERY



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上海金纬挤出机械制造有限公司
SHANGHAI JWELL EXTRUSION MACHINERY CO., LTD.

公司简介

Brief Introduction

上海金纬挤出机械制造有限公司是专业制造各种木塑挤出设备和型材挤出设备的专业公司，自1997年10月成立以来，发展迅猛，其中木塑设备所经营项目主要有：

- PVC、PP、PE、ABS木塑高速混合机组
- PVC、PP、PE、ABS木塑造粒挤出生产线
- PP、PE木塑地板、景观木、托盘等挤出生产线
- PVC木塑中空门板挤出生产线
- PVC木塑门套、门框、线条等挤出生产线

本公司拥有一批专业的设计、研发、装配、调试工程师，提供木塑复合材料从原材料→配混→造粒→挤出→模具→制品→制品后处理加工的系统化集成技术和交钥匙工程，采用先进的计算机辅助工程(CAD\CAE\CAM)进行挤出设备的持续改进设计、开发与制造。



是中国塑料机械行业的著名品牌。

公司产品已遍布全国各地，并出口到俄罗斯、印度、韩国、印尼、中东和南美洲、西班牙、意大利等国家和地区，深受客户好评。

“品质卓越 完美如一”

是金纬公司的质量方针，是全体员工努力的方向。

“诚实守信”

是我们铸就“百年金纬”的核心理念。

董事长：何海潮 电话：021-69596060



Shanghai Jwell Extrusion Machinery Co.,Ltd is one of the professional manufacturer of wood- plastic & profile equipment in Shanghai Jwell. Since October 1997 its establishment,rapid development,including the wood-plastic equipment operated by project are:

PVC,PP,PE,ABS Wood-plastic high speed mixer
PVC,PP,PE,ABS Wood-plastic pelletizing Extrusion Line

The company has a number of professional design,research,assembly,commissioning engineers,to provide raw material form wood-plastic composite materials mixed with→mix→pelletizing→extruder→mould→products→products after processing deal with systematic integration of key technologies and cross spoons Engineering,using advanced computer-aided engineering (CAD\CAE\CAM) extrusion equipment for the continued improvement of the design,development and manufacturing.

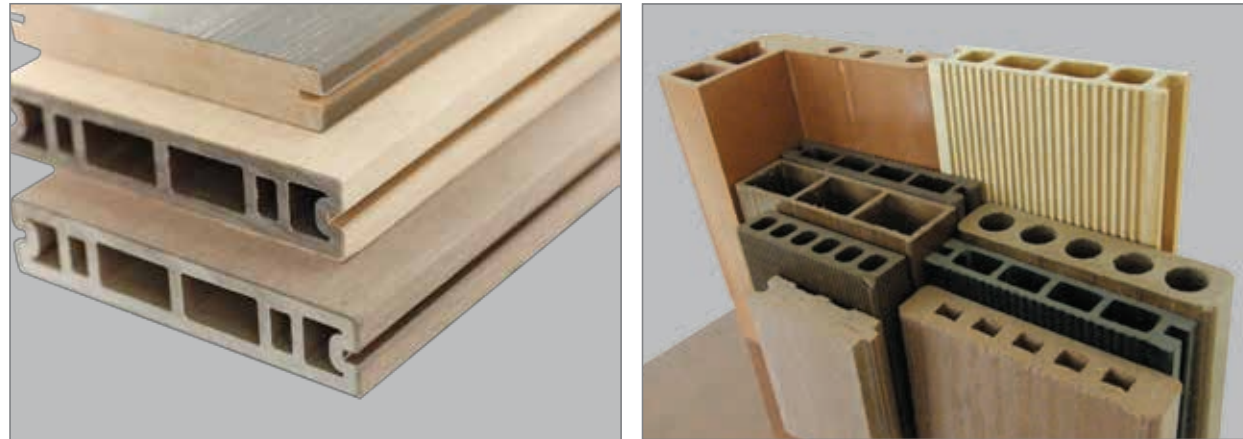
JWELL and **Jinhailuo** are famous brands in Chinese plastic machinery industry.

JWELL machinery has been sold across the country, and exported to all continents over the world, including the market of developed country, such as Germany,America, Japan, Spain and so on.

President: He Haichao Email : he@jwell.cn



木塑复合材料本身的优越特点 Excellent Character



- 防水防潮 Waterproof
30天浸水后，弯曲强度、刚性也不会发生变化，具有优异的耐水性
30 days after the water, bending strength and stiffness will not change and has excellent water resistance.
- 防腐防蛀 Antisepsis
由于不吸水，具有优异的耐腐蚀性，不会腐烂。而且没有白蚁的危害
As non-absorbent, has excellent corrosion resistance and will not rot. And there is no harm termites.
- 真正意义的绿色环保：零甲醛释放，可循环再生
The true meaning of green: the release of formaldehyde, can be recycled.
零甲醛释放，可再生循环利用，具有环保意义；可节约天然资源，被誉为革命性的绿色环保新型材料
Formaldehyde is released, renewable recycling, with environmental significance of saving natural resources, known as the green new material.
- 抗冲击不变形 Impact is not deformed.
木螺丝固定能力高，是木屑板的4倍，MDF的大约5倍
Wood screws fixed capacity, is four times the wood panels, MDF about five times.
- 超强的耐候性 Super weatherability
抗紫外线能力强，可用于户外的板材，在户外可以长期安心的使用，在-30℃的寒冷地区，也经得起户外使用
It can be used as an outdoor sheet for long time for its well anti-ultraviolet function and good capability even in the temperature of minus 30 degree.
- 隔热 Insulation
虽然是热塑性复合材料，却具有在120℃的高温下也不会软化的性能
although the thermoplastic composite material, it wouldn't soften even in an temperature of 120 degree.

木塑材料与其他材料的特性对比 Property Comparison



性能项目 Item	木质材料 Wood material	全塑材料 Plastic material	木塑复合材料 Wood-plastic material
比重 (g/cm ³)	0.8-1.1	0.9-1.1	0.7-1.2
刚性与承载能力 Rigid and carrying capacity	较高 High	低 Low	高于木质和全塑材料
可加工性 Processing capacity	容易 Easy	不容易 Not easy	容易 Easy
耐用性 Durable	有限 (易腐蚀) Limited (easy to be corrupted)	较高 High	高 (7-10 倍于木质材料) High
吸水性 Bibulous capability	高 High	不吸水 No sobbing	不吸水 No sobbing
耐日光老化性能 Sunlight endurance	好 Good	差 Not good	好 Good
耐酸碱性 Acid and alkali wearable	差 Bad	优良 Good	优良 Good
耐环境污染特性 Environmental wearable	较差 Not good	好 Good	好 Good
维修频率与难易程度 Maintenance	高/方便 Convenience	较低/不能维修 Not good	低/方便 Convenience
可回收性 Recycling	差 Bad	可回收，但性能降低较大 Could be recycled	可100%再生 100% recycled
废旧材料的处理	废弃或交费回收	低价格进入废旧塑料市场	可以旧换新
使用安全性 (尖钉木刺等) Security	差 Bad	好 Good	好 Good
结构尺寸灵活性 Structure flexible	高 High	低 Low	最高 Highest

木塑原材料处理设备

Raw Material Processing Equipment

木塑原料的形成



森林原材料利用



秸秆



稻壳



塑料粉末



木质纤维(木粉、糠粉等)



形态各异的木塑粒子



对于很多天然植物纤维（比如木材，竹子，农作物秸秆等），能够用于挤出的原料品质必须要经过破碎、磨粉、过筛、烘干、配混等预处理过程，以改善单一的材料在挤出过程中的缺陷和不足。对于适合挤出的纤维粒度大小要合适，再加入适量的着色剂、润滑剂、偶联剂或发泡剂等各种助剂，在高速混合机组中可以充分混合，并进一步脱降水份，以达到适于挤出的要求。

For many natural plant fibers (such as wood, bamboo, crop stalks, etc.), which can be used to squeeze the raw materials quality, must be a process crushing, milling, screening, drying, with mixed, and other pretreatment process to improve the defects and deficiencies of single material in the course of the extrusion. The fiber should be of appropriate particle size in the process, and then join them with coloring agent, lubricants, coupling agent or foam, and other additives of appropriate amount, put them in a high-speed mixed units that they can be fully mixed and then do further precipitation, To meet the requirements suitable for extrusion.



磨粉机 Miller



干燥机 Dryer



混料机 Mixer

木塑造粒设备 Pelletizing Equipment

SJZ系列异向锥双造粒挤出机

SJZ Series Counter Rotation Conical Twin-screw Pelletizing Extruder

该机组是由系列锥形双螺杆挤出机与相应造粒辅机组成的成套设备，主要适用于PVC、PE类原料添加木粉或填充料的造粒。生产的塑料颗粒均匀、密实、美观，辅机采用模面切粒，风送集料，振动分离冷却，具有自动化程度高，生产效率佳等特点。

This pelletizing machine is composed by a conical twin-screw extruder and the correspondingly pelletizing downstream equipment, it is suitable for the pelletizing of PVC, PE raw material with wood powder or other additives. The pellets produced by this machine is evenly, solid, elegance. The palletizing downstream equipment is the die face cutter, air transferring unit, vibration separating and cooling unit. This palletizing downstream equipment has the features of high automation and high production efficiency.

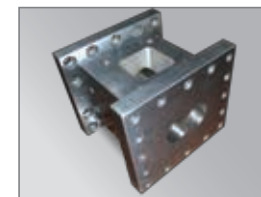
主要技术参数 Main technical parameter

主机型号 Model	螺杆规格 mm	主电机功率 Power of main motor(KW)	生产能力 Output(kg/h)
SJZ80	80/156	55	280-300
SJZ92	92/188	110	380-500



JWE系列同向平行双螺杆造粒机组

JWE Series Co-rotation Parallel Twin-screw Pelletizing Machine

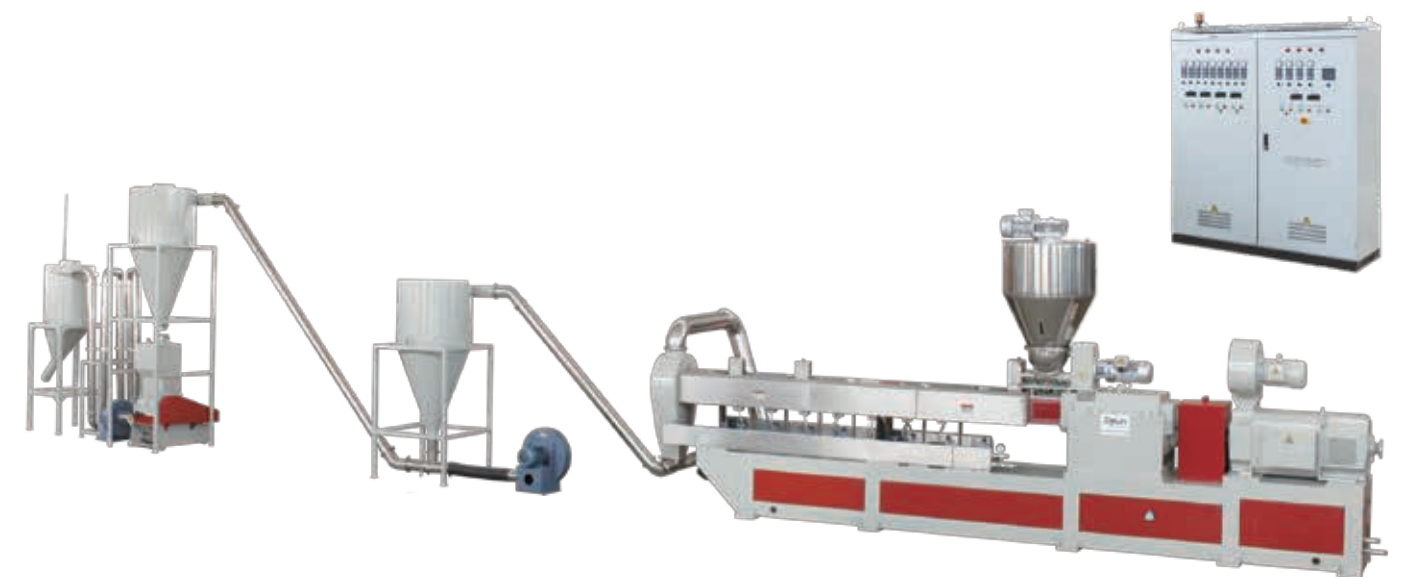


- 1、挤出主要元件筒体和螺杆为积木式结构，根据需要可自己选配长径比。高耐磨耐腐蚀的表面处理，适应各种不同原料的加工。每段筒体温度可以单独设定。
- 2、机头切粒方式一般为模面热切。
- 3、冷却送料方式一般为两级或三级风送。

1. Building block type screw and barrel of the extruder, according to the L/D by yourself. It's fit for all kinds of the material machining for the surface wearable. The temperature of barrel can enactment by oneself each zone.
2. The method of the head cutting is heating cut commonly.
3. The method of cooling remove the material is two class or three class fan remove commonly.

主要技术参数 Main technical parameter

主机型号 Model	螺杆规格 mm	主电机功率 Power of main motor(KW)	最大生产能力 Output max(kg/h)
JWE75	72	110	350-450
JWE92	92	200	500-800

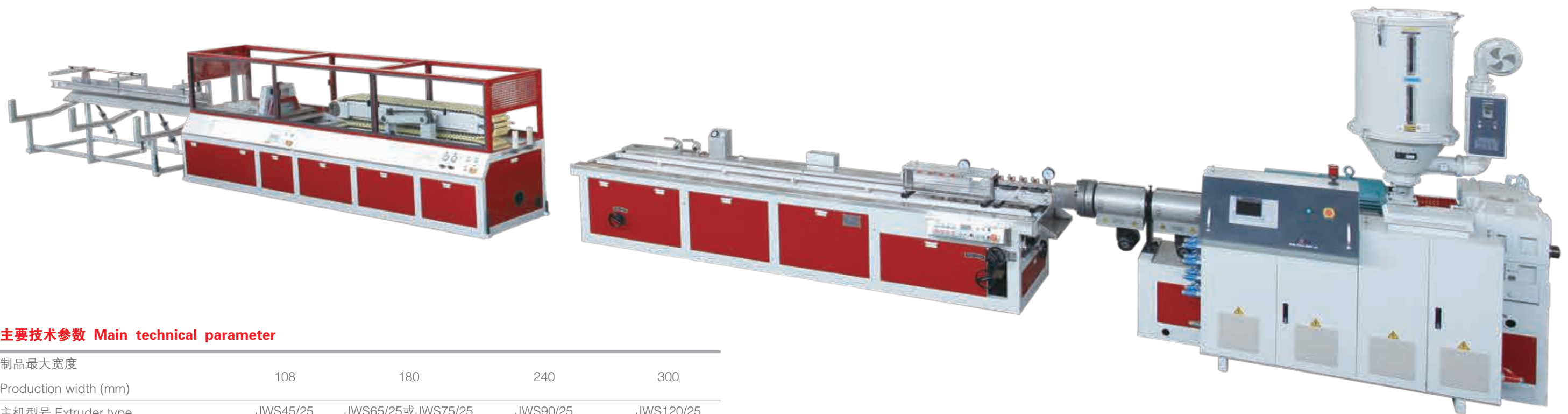
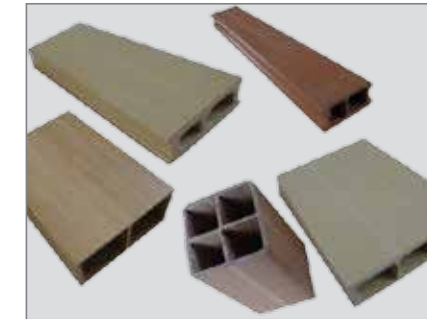
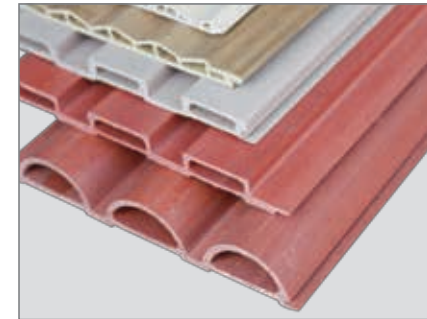


PVC单螺杆木塑(发泡)挤出生产线

PVC Single-screw WPC (foaming) Extrusion Line

该生产线主要用于生产长城板、外墙板、隔断墙、天花扣板、吸音板、楼梯扶手、百叶窗、地脚线等装饰型生态木产品，挤出机部件采用独特的螺杆设计，避免原材料的高剪切和过塑化，生产出的产品表面木纹纹理独特明显，产品不变形、不褪色、防火、防腐、防虫蛀，耐老化和抗紫外线。

The production line is mainly used for the production of the Great Wall panels, wall panels, partition walls, pinch plate, acoustic panels, stair railing, shutters, decorative, foot line and any other eco- wood plastic productions. The extruder with the unique screw design prevents raw material from high shear or over plasticizing, As a result, products gain significant texture of wood surface, and product with characteristics: no deformation, non-fading, fire prevention, anti-corrosion, anti-moth, anti-aging and anti-UV.



主要技术参数 Main technical parameter

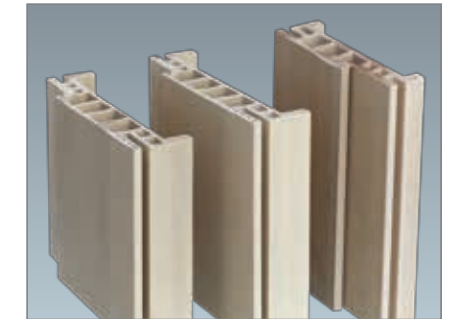
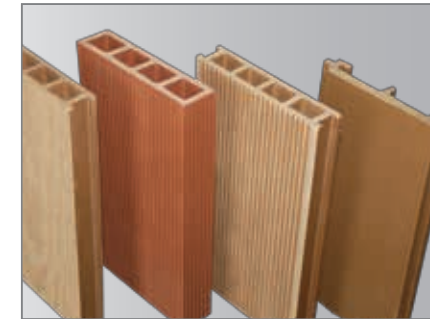
制品最大宽度	108	180	240	300
Production width (mm)				
主机型号 Extruder type	JWS45/25	JWS65/25或JWS75/25	JWS90/25	JWS120/25
主机马达motor power (kw)	11	22/30	37/45	55
辅机型号 Type	YF108	YF180	YF240	YF300
最大挤出量 Output (kg/h)	20	50/70	90	150
冷却水用量 Cooling water (m ³ /h)	7	7/7	8	9
压缩空气用量 Compressor air (m ³ /min)	0.5	0.6/0.6	0.8	0.8

PVC木塑一步法挤出生产线

PVC Wood-Plastic One Step Extrusion Line

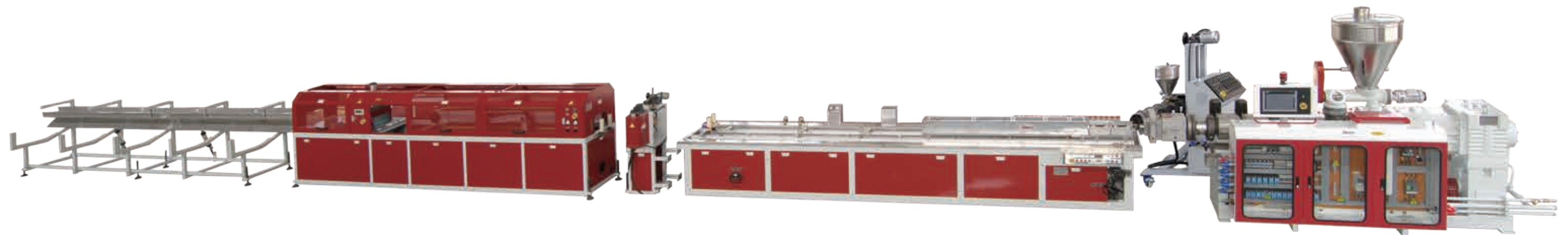
一步法，即省去中间造粒这个环节，直接将原材料在一组设备内连续完成配混、制品挤出成型。该方法优点是高效率，混炼塑化好，节能显著，生产成本降低。目前主要用于PVC一类塑木产品的挤出成型加工较多，但该方法对原料的配方、加料装置、配套的模具和挤出成型的设备要求较高，对生产员工的整体技术水平要求很高。

One-step way that is eliminating the middle granulation of this link. put the raw materials directly in a group of equipment, with mixing and extruding products completed in one time. The advantage in this way is of high efficiency, mixing plastics, and significant energy saving, lower production costs. At present, the usage in PVC class of the extrusion Plastic-wood products gets more, but it requires more on raw materials, feeding devices, supporting the mould and extrusion equipment. And also to the staff's overall technological level.



主要技术参数 Main technical parameter

主机型号	螺杆规格	主电机功率	生产能力
Model	mm	Power of main motor(KW)	Output(kg/h)
SJZ55	55/110	22	60-80
SJZ65	65/132	37	150-160
SJZ80	80/156	55	220-250



PE&PP木塑二步法挤出生产线

PE&PP Wood-Plastic Two Step Extrusion Line

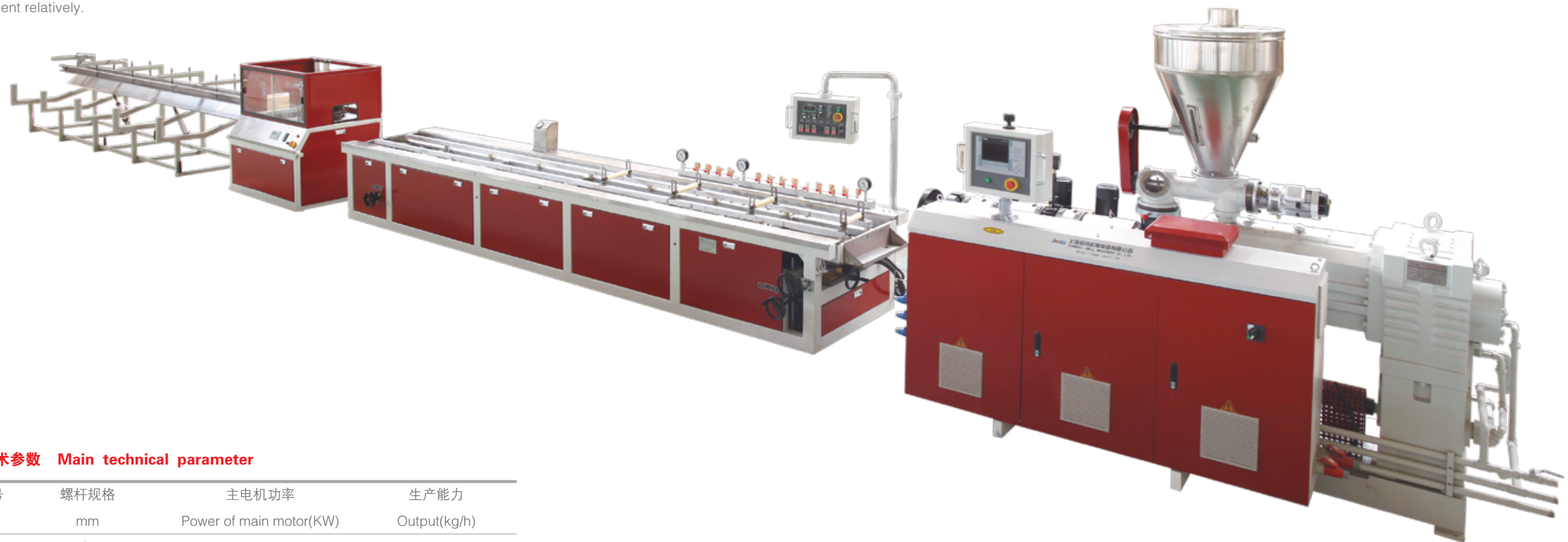
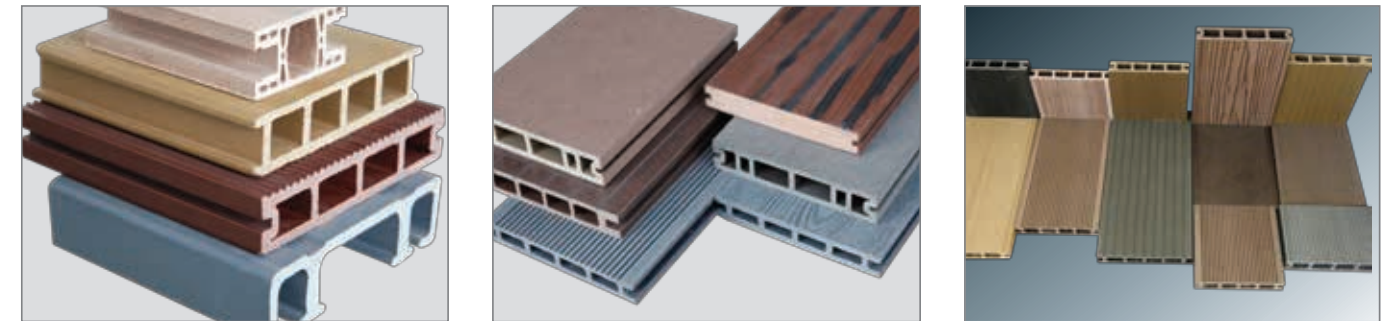
两步法是指木塑复合材料的配混、脱挥、制品挤出成型分别在不同的设备中完成，即原材料按一定配方配混好之后，中间造成木塑颗粒，再挤出加工成制品的这个过程。

目前两步法应用较为广泛，一般是用锥双挤出机或平双挤出机造粒，再用锥双或单螺杆挤出机挤出成型制品，主要使用在室内外地板、护栏、托盘等PE一类木塑产品的挤出成型。

主要优点是：操作简单，对生产员工整体技术水平要求较低，对配套模具和挤出成型设备要求相对比一步法要低。

Two-step way is that the wood-plastic composite materials complete in different equipments of mixing, from play, extruding products, mixing the raw material in a certain formula, forming wood-plastic particles in the middle, and then squeezing out products.

And nowadays, the two-step way is used currently, application of a wider general use dual-cone-or two-extruder extruder granulation, and then double-cone or single screw extruder extrusion products, mainly used in floor indoor or outdoor, parapets, tray, such as PE plastic extrusion products. Because of the advantages: simple operation, lower requests to the overall technological level and to the matching mold and extrusion equipment than the one-step, and also smaller investment on equipment relatively.



主要技术参数 Main technical parameter

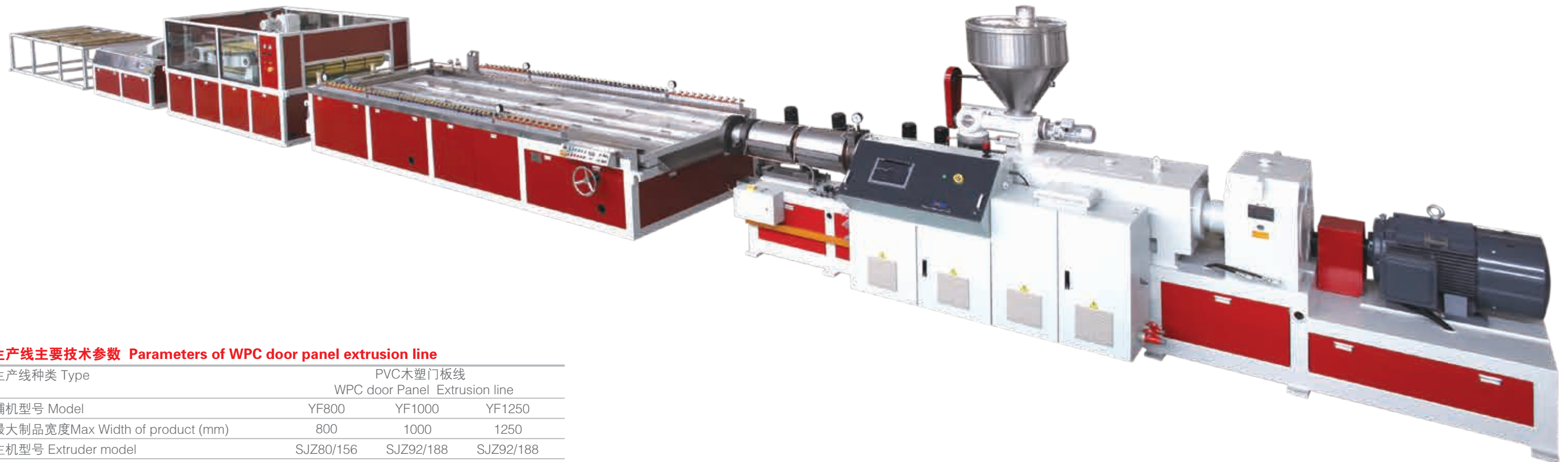
主机型号 Model	螺杆规格 mm	主电机功率 Power of main motor(KW)	生产能力 Output(kg/h)
SJZ65	65/132	37	150-160
SJZ80	80/156	55	220-250

木塑中空门板挤出生产线 Cross Door Plate Extrusion Line

该生产线可以生产宽幅为600-1200之间任何规格宽幅的PVC塑木门板，设备主要有SJZ92/188锥形双螺杆挤出机、定型台、牵引机、切割机、放料架等组成，设备配置先进，制作精良，主要电气控制元件采用全球知名品牌，挤出系统设计中吸取了国外同行业先进技术成果，可靠性和耐久性程度高。辅机现有两种配置：YF1000和YF1250，可供广大用户选择。

The production line can produce the PVC Plastic-wood door of the width between 600 and 1200 .the device has SJZ92/188 conical twin-screw extruder, calibration, hall-off unit, cutter, such as stacker, targeting the advanced equipment, well-produced, the main electrical control devices are well-known global brands, extrusion system design imbibes the technic of foreign country in this line, and it has a highly dependability and wearness.

the other scheme have two types:it' s supply for the custom to choose: YF1000 and YF1250.



生产线主要技术参数 Parameters of WPC door panel extrusion line

生产线种类 Type	PVC木塑门板线 WPC door Panel Extrusion line		
	YF800	YF1000	YF1250
辅机型号 Model	YF800	YF1000	YF1250
最大制品宽度Max Width of product (mm)	800	1000	1250
主机型号 Extruder model	SJZ80/156	SJZ92/188	SJZ92/188
主机驱动功率 Extruder power (KW)	55	132	132
最大挤出量 Max of extrusion capacity (Kg/h)	280	600	600
冷却水用量 Cooling water (m ³ /h)	12	15	18
压缩空气用量 Compressed air (m ³ /min)	0.8	1	1.2

备注：以上规格参数如有变更，恕不另行通知。

Note:The specifications are subject to change without prior notice.

PVC结皮(木塑)发泡板材生产线 PVC Skinning (WPC) Foaming Board Extrusion Line

PVC发泡板及木塑发泡板的应用/PVC foaming board and WPC foaming board application:

交通运输业 轮船、飞机、客车、火车车厢、顶蓬、箱体芯层、内部装潢用板。
建筑装饰业 建筑物外墙板、内装饰用板、住宅、办公室、公共场所建筑物隔间、商用装饰架、无尘室用板、吊顶板、家庭橱柜、吊柜和家居。通过油漆印刷、贴膜和热压设备，可以生产各类仿木制品。

Transportation industrial: Ship, plane, bus, chamber of train, roofing, core layer, inner decoration board.
Construction and decoration industrial: outer wall board, inner decoration board, housing, office, public construction board, furniture, cupboard, roofing. Adopting printing, film coating and thermo-embossing equipment, will get all kinds of emulational wooden product.

结皮(木塑)发泡生产线/Skinning (WPC) foam board extrusion line

该设备为发泡板行业根据自由发泡和结皮发泡的特点，采用自由发泡设备的挤出部分和结皮发泡的定型辅机部分发展而来的。具有产品质量兼有结皮发泡的平整度、自由发泡设备的低密度、表面硬度间于结皮发泡和自由发泡之间的特点；另外设备投资小，接近自由发泡设备，利于市场的推广。

This extrusion line is made according to the features of free foamed board and skinning foamed board by using the extrusion system for free foamed board machine and the downstream equipment for skinning foamed board. The product produced by this machine has the features of smooth surface, low density, and the surface hardness of the product is between the skinning foamed board and free foamed board. The investment of this machine is close to the investment of free foamed board extrusion line, which makes it easy for market promotion.



PVC结皮发泡板、共挤发泡板机组主要技术参数 Main technical specification

机型 Model	结皮发泡板 Skinning foaming board extrusion line	共挤发泡板 Co-extrusion foamed board extrusion line
制品宽度 Products Width	1220-1600mm	1220-1600mm
制品厚度 Products Thickness	3-20mm	3-20mm
挤出机规格 Extruder Specification	SJZ80/173	SJZ65/132、SJZ80/156
最大挤出产量 Capacity (Max.)	500Kg/h	450kg/h
主电机功率 Main Motor Power	90Kw	37KW/75KW

备注：以上规格参数如有变更，恕不另行通知。
Note: The specifications are subject to change without prior notice.

木塑制品后处理设备 Subsequent Equipment

砂光机

此机床使用于定厚砂光，精细砂光等各种板材的表面处理。

This machine suits for the thickness sanding, fine sanding and polish the surface of other various boards.



门板转印机

此机器主要用于木塑整板门、木塑橱柜门板、PVC整板门、墙板的花纹图案表面转印。机器使用的是高温转印，有除尘，板材预加热装置。

The machine is used for surface design transferring of wood-plastic door, wood-plastic cabinet door board, PVC door and wall board. Using high temperature transferring, this machine can automatically remove dust and have board pre-heating device.



木塑压花机

木塑压花机主要用于PE\PP\PVC木塑型材、板材等木塑材料表面的花纹压制，使木塑制品表面木质感更好。采用的压花辊表面可以加工成各种木纹纹理，表面可以镀硬铬，辊腔内加热，操作简单，耐磨损。

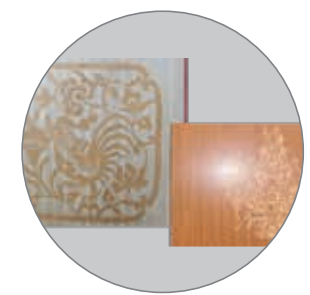
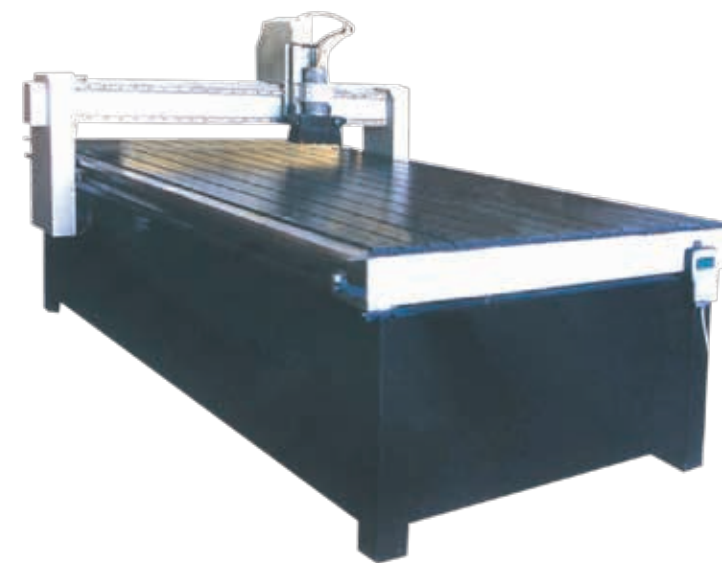
The wood-plastic embossing is mainly used for the pattern of repression of PE\PP\PVC wood plastic profile, sheet surface, it's better for the wood products surface of wood texture. the surface of the embossing can be processed all kinds of wood texture, surface can be hard chrome plating, Roller cavity heating, simple operation and wear-resistant.



门板雕刻机

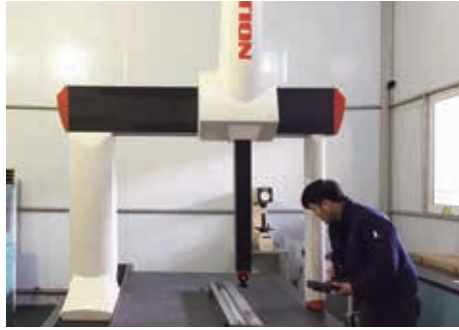
此机器主要用于木塑门板，实木门板，密度门板，橱柜门板的雕花镂空，机器使用横向纵向上下三轴控制，电脑操作，可完成门板的各种雕刻。





This machine is mainly used for pattern carving of wood-plastic board, hard wood board, density board and cabinet board. It uses three spindles as landscape orientation, lengthways and up and down. All kinds of engraving by computer.



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