



合固木塑
HE GU

青岛合固木塑机械有限公司

QINGDAO HEGU WOOD PLASTIC MACHINERY CO.,LTD

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企业简介

机器运行是检验质量的唯一标准。

在这个日新月异的时代，青岛合固木塑机械有限公司将客户体验和人才储备作为发展的重中之重。经过十年的努力，我公司培养了一支优秀的业务团队，一支专业的技术团队，一支严谨的生产团队，一支高效的售后团队。

我们将根据客户的需求提供合理的解决方案，提供真正的交钥匙工程

公司以质量为基础，以客户需求为第一发展要素，与社会同步发展，逐步成为一家可持续发展、有前途的公司。

公司成立于2009年，是一家国际化、多元化的木塑成套挤出设备制造商，致力于提供全球优质服务。专注于室内外装饰建材加工设备的生产和研究，市场遍布全球70多个国家和地区。

Company Profile

Machine running is the sole criterion for checking quality.

In this rapidly changing era, Qingdao Hegu Wood-Plastic Machinery Co.,LTD regards customer experience and talent reserve as the top priority of its development. After ten years of hard work, our company has exhausted all available resources to cultivate an excellent business team, a professional technical team, a rigorous production team, and an after-sales team. Based on quality, our company takes customer experience as the first development factor and keeps pace with the society, gradually becomes a sustainable and promising company.

Founded in 2009, Qingdao Hegu Wood-Plastic Machinery Co.,LTD is an international, diversified wood-plastic complete extrusion equipment manufacturer dedicated to providing global quality services. Our business focuses on the production and research of processing equipment for indoor and outdoor decoration and construction materials, and the market is spread over more than 70 countries and regions around the world.

With years of continuous technical and management innovation, Qingdao Hegu Wood-Plastic Machinery Co.,LTD promotes further optimization and launches one-stop customer procurement service. Our technical team will provide reasonable solutions according to customers' needs and provide real turnkey projects.

We sincerely believe that as long as we share the common wheel and woe with our customers, we will make Qingdao Hegu Wood-Plastic Machinery Co.,LTD a distinguished company and provide customers with superior service.

In order to provide customers with a better experience, wood-plastic profiles and board complete sets of equipment are available in stock, you can visit the company at any time, we will arrange equipment trial operation for you.



PE/PP木塑型材生产线

PP/PE WPC profile production line

该生产线可连续稳定生产中空或实心的PE/PP木塑发泡型材。具有防火、防水、防腐蚀、耐潮湿、不被虫蛀、不长真菌、耐酸碱、无有害、无污染等优良性能。主要用于生产园林景观类、室外景观、托盘等户外木塑型材。配共挤机可生产共挤地板 在线压3D木纹。

The PE/PP WPC profile extrusion line is suitable for producing the hollow/ solid PE WPC profiles. This profile has the advantage of fireproof, waterproof, anticaustic, moistureproof, mothproof, mildewproof and environment friendly. It is mainly used for extruding outdoor decorative WPC profile. Such as garden land-scapes, outdoor landscapes, pallets, etc. Customers can choose co-extruder and online embossing machine to achieve 3D pattern performance .

Main Technique parameter: 主要技术参数

model	SJMS-51/105	SJMS-65/132	SJMS-80/156	SJ35/28
Max. Product width	200mm	250mm	400mm	
Extruder capacity	100-120kg/h	150-180kg/h	350-380kg/h	15kg/h
Main motor power	22kw	37kw	75kw	5.5kw
Vacuum pump power	3kw	7.5*5.5kw	11*7.5kw	
Calibrating platform length	4000mm	6000mm	6000mm	



PP/PE木塑造粒机

PP/PE WPC Parallel Double-screw Granulating Machine

该生产线可连续稳定生产PP/PE木塑颗粒，其设备优点为高剪切、高塑化，可使塑料与木粉以及助剂充分融合。所有原材料经造粒机加工制成颗粒后，再经木塑型材生产线加工出木塑型材

This production line is suitable for producing PP/PE WPC granule. The machine adopt high quality parallel double screw extruder, it can help the plastic completely be merged with wood and chemical additives and it has the advantages of high output and good plasticization. The PP/PE WPC granules are used to produce the WPC profiles, which ensure the products more durable.



Main Technique parameter: 主要技术参数

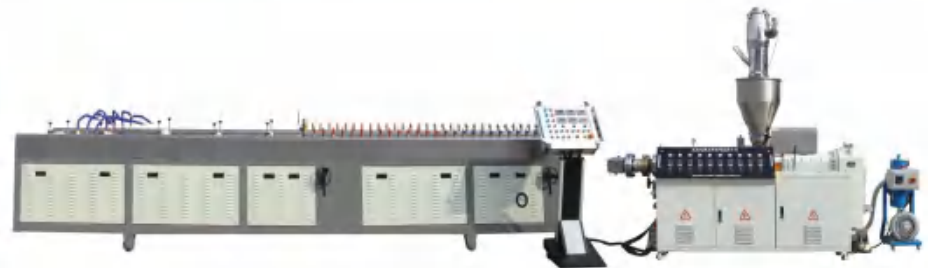
Model	SJMS-65	SJMS-75	SJMS-95
L/D Ratio	40: 1	40: 1	40: 1
Extruder capacity	200-220kg/h	300-350kg/h	500-600kg/h
Main motor power	75kw	90KW	132kw
Rotating speed	500rpm	500rpm	500rpm
Materials	PP/PE +Wood powder+chemical additives		
Max wood percentage	≤80%		

PVC木塑/PVC型材生产线

PVC/WPC profile production line

该生产线可连续生产中空或实心的Pvc木塑发泡型材（门框、窗、墙板等）。具有防火、防水、防腐蚀、耐潮湿、不被虫蛀、不长真菌、耐酸碱、无毒害、无污染等优良性能，广泛应用于室内装修、建筑、家具等领域。

The PVC WPC profile extrusion line is suitable for producing hollow or solid PVC WPC foaming profile. This profiles have advantage of fireproof,waterproof,anticaustic,moistureproof,mothproof,mildewproof,non-toxic and environmentally friendly. These profiles are widely used in the fields of interior decoration, furniture making, such as door frame, wall panel, skirting,photo frame, plastic door and window profiles.



Main Technique parameter: 主要技术参数

Model	SJMS51/105	SJMS-65/132	SJMS-80/156
Max product width	200mm	250mm	600mm
Extruder capacity	100-120kg/h	150-180kg/h	250-380kg/h
Main motor power	22kw	37kw	75kw
Vacuum pump power	3kw	7.5*5.5kw	11*7.5kw
Calibrating platform length	4000mm	6000mm	6000mm





高端型材生产线辅机

Auxiliary machine for high-end profile production line

定性平台：平台安装2个SPECK真空泵，1套水汽分离系统

标准配置的总长度为8米，定型台用不锈钢材制作，包括不锈钢模架和降低噪音功能的不锈钢水盘。采用专有技术的不锈钢水箱作水循环系统；定型台的长、高、宽方向均采用电动调节方式，模架可手动进行倾斜调整。

Setting Platform: The platform is equipped with 2 SPECK vacuum pumps and a water vapor separation system with a total length of 8 meters.

The setting platform is made of stainless steel, including a stainless steel mould holder and a stainless steel water pan with noise reduction function.

A stainless steel water tank with proprietary technology is used as the water cycle system; the length, height and width of the setting platform are adjusted by electric regulation, and the mould holder can be tilted manually.



牵引切割一体机：上下履带的传动系统装有2台免维护的FALK变频电机，直接与减速机连接，以此来调整牵引力，牵引履带采用气缸控制，通过同步轮可确保切割与牵引同步。可保证上下履带同步运转。配置特制的可快速更换的履带压块。

Traction cutting machine: The drive system of the upper and lower caterpillar track is equipped with two maintenance-free FALK frequency conversion motors, which are directly connected with the reducer to adjust the traction force.

The traction tracks are controlled by air cylinders, the synchronous wheel ensures the cutting is synchronized with the traction. To ensure the synchronous operation of the upper and lower caterpillar tracks. A specially designed and fast replaceable track press block is provided.

热刀切割单元自上而下运行，并按三坐标方式移动，可保证型材切口不变形。刀片加热方式为热传导，确保温度更准确。刀片紧固方式采用专有的四点定位方式，气动装置保证刀片均匀自动张紧，可延长刀片使用寿命。牢固的压块可根据切割型材的宽度及形状进行调节。切割计长采用编码器的脉冲信号进行测量，切割长度可调。切割同步采用气缸进行控制。封闭的外罩保证了更好的隔音效果。切割机包含7"触摸屏用于切割长度的设定及牵引速度的控制。

The hot knife cutting unit runs from top to bottom and moves in a three-coordinate way to ensure that the profile incision is not deformed.

The heating mode of the blade is heat conduction, which ensures the temperature to be more accurate.

The blade fastening mode adopts the special four-point positioning mode, and the pneumatic device ensures the uniform and automatic tension of the blade and prolongs the service life of the blade.

The solid press block can be cut according to the width and shape of the profile to adjust.

The cutting length is measured by pulse signal of Encoder, and the cutting length is adjustable.

Cutting synchronism is controlled by cylinder.

The enclosed enclosure guarantees better sound insulation.

Cutting machine includes 7" touch screen for cutting length setting and traction speed control.



PVC木塑发泡板生产线

PVC/WPC Skinning foam board production line

SJMSB系列木塑发泡板生产线可连续生产PVC木塑发泡板。PVC木塑发泡板具有防火、防水、防腐蚀、耐潮湿、不被虫蛀、不长真菌、耐酸碱、无毒害、无污染等优良性能，广泛应用于内部装潢用板、建筑屋外墙板、内饰用板、家具、卫浴、广告板、隔断等领域。

SJMSB series PVC/WPC foam board production line can continuously produce PVC WPC foam board. The PVC/WPC foam board has the advantage of fireproof, waterproof, anticaustic, moistureproof, mothproof, mildewproof and enviromentlly friendly, etc. It is widely used in interior decoration, precast exterior wall panels, furniture making, bathroom decoration, poster board, partition, etc.

Main Technique parameter: 主要技术参数

型号 Model	SJMSB-80/156	SJMSB-80/173	SJMSB-92/188
制品厚度 Product thickness	5-18mm	3-30mm	20-40mm
最大宽度 Max width	1220mm	1220mm	1220mm
挤出量 Extrusion capacity	350-380kg/h	420-450kg/h	500-550kg/h
电机功率 Main Motor power	75kw	90kw	110kw



PVC木塑/PVC门板生产线

PVC/WPC door panel production line

该生产线可连续稳定生产PVC木塑门板半成品，配合木塑型材生产线及后续加工处理设备可加工出完整的门和门套，PVC木塑门板具有色彩多样、防火、防水、防腐蚀、耐潮湿、不被虫蛀、不长真菌、耐酸碱、无害、无污染等优良性能。木塑门可广泛应用于室内门、医院门诊门、学校教室门。

The PVC WPC door panel extrusion line is suitable for producing the preparatory PVC WPC door panel. We can provide the turnkey project for making complete finished door from raw material. The whole production line includes the PVC WPC door frame extrusion line, WPC door panel extrusion line and subsequent processing equipments. The PVC WPC door has the advantage of fireproof, waterproof, anticaustic, moistureproof, mothproof, mildewproof and environmentally friendly. It can be widely used in interior doors, hospital ward door, school classroom door, various styles can be customized.



Main Technique parameter: 主要技术参数

Model	HGMSMB-800	HGMSMB-1000	HGMSMB-1200
Extruder model	80/156	92/188	92/188
Max. width	800mm	1000mm	1200mm
Max extruder capacity	350-380kg/h	500-550kg/h	500-550kg/h
Main motor power	75kw	110kw	110kw
Door thickness	20-50mm	20-50mm	20-50mm



木头磨粉机

Wood powder milling machine

该设备由粗破、料仓、磨粉机、旋流下料仓、脉冲除尘器等组成，磨粉机为摆锤式结构，可连续生产40-100目的木粉，配合木塑设备使用加工木塑制品。

The wood powder milling machine is composed of rough crushing device, storage, miller part, rotational flow tank, pulse dust collectors, etc. The milling machine adopts Pendulum type structure. This machine can produce the wood powder in 40-100 mesh continuously. The wood powder produced by wood milling machine can use for WPC machine to make WPC products.

Main Technique parameter: 主要技术参数

型号Model	JFS-60/50	JFS-60/80
适用料Suitable material	秸秆、木屑Plant straw ,wood chips	
含水率要求Moisture content	< 10%	
最大产量Max capacity	250-320kg/h	400-480kg/h
装机功率Install power	90kw	130kw



木粉干燥机

Wood powder drying machine



MSGZ系列干燥机根据传统木粉干燥的弊端进行改良，将传统热风干燥改良为电磁加热，并使用螺杆推料，解决了木粉易燃的问题，生产效率提高50%。

The newly designed wood powder dryer is improved with electromagnetic heating instead of the previous hot air heating. Besides, the machine adopts the screw pushing design and solve material bridging problem, and also prevents the combustion and explosion might caused by excess temperature. The production efficiency has been improved by about 50%.

Main Technique parameter: 主要技术参数

型号Model	MFGZ-250	MFGZ-400
产量Capacity	250kg/h	400kg/h
干燥效率Drying motor power	≥3%	
加热方式Heating type	电磁加热 electromagnetism	
装机功率Install power	95kw	120kw



木塑辅助设备

Auxiliary Machiner For WPC Products

在线压花机

WPC Profile Online Embossing Machine

该压花机最大压花宽度200mm,配合复合pe木塑型材设备使用,安装在定型平台上,直接在复合木塑地板上加工出3D木纹、石纹等效果。

The max. working width of this online embossing machine is 200mm. It can be installed on calibrating platform, the WPC profiles surface can be made into 3D wood grain, stone pattern, etc.



离线压花机

WPC Profile Offline Embossing Machine

该压花机最大压花宽度300mm,配合PE木塑型材设备使用,可离线加工2D花纹,也可在线给木塑地板加工3D花纹,该设备采用电加热,及电机驱动。

The max. working width of the profile offline embossing machine is 300mm. The machine adopts electric heating device and motor driving. It can be used both offline for 2D embossing and also online for 3D embossing.



木塑辅助设备

Auxiliary Machiner For WPC Products

砂光机

WPC Sanding Machine

该设备对木塑表面进行砂光处理及平整度处理,根据对表面粗糙度要求更换不同的砂带。为后期压花做准备,也可以直接作为安装效果。

The WPC sanding machine can do the sanding and flatness treatment on the WPC products surface. The sanding belt can be changed according to different surface roughness requirement. The WPC profiles after sanding can be embossed or installed directly.



拉毛机

WPC Profile Napping Machine

该设备对木塑表面进行拉毛、拉纹、打毛处理,加工后的制品立体感强,防滑性好,木纹效果自然,不能消除制品的不平整度。

The WPC profile napping machine is suitable for the napping treatment of the WPC profile surface. The WPC profile after napping has the stronger stereoscopic effect, increased slip resistance and natural wood grain. It cannot be used to remove the irregularity of the profiles surface.



木塑辅助设备

Auxiliary Machiner For WPC Products



1300PUR热胶覆膜机

1300PUR hot glue laminating machine

用该设备用于门板表面覆膜以及侧面覆膜，覆膜后的门板耐温好、粘性好、防水性好、耐磨、不起泡。

This machine is suitable for coating the film on all size of the door panel surface. The door panel with laminating film has the advantages of high temperature resistance, high viscosity, good water-proofness and strong wear ability, non-bubble, no degumming.

350PUR热胶覆膜机

350PUR hot glue laminating machine

该设备用于门框及线条表面覆膜，覆膜的门框耐温好、粘性好、防水性好、耐磨、不起泡。

This machine is suitable for coating the film on the door frame and profile surface. The door frame with laminating film has the advantages of high temperature resistance, high viscosity, good water-proofness and strong wear ability, non-bubble, no degumming.



冷胶包覆机

Cold glue film laminating machine

本机使用加宽型刮胶箱。涂胶宽度300mm,可完成对门边线的包覆加工。
底轮、压轮均采用铝基硅橡胶轮,耐磨性好,不粘胶,使用寿命长。

Adopts wider glue squeegee tank, gluing width is 300mm, can laminate the door frame sideline.
Return pulley wheels, pinch roller are made by aluminium base silicone rubber wheel.
Abrasive resistance, non cohesive to glue and long work life.



木塑辅助设备

Auxiliary Machiner For WPC Products



真空覆膜机

Vacuum laminating machine

用于门板表面覆膜，适用于小批量及雕刻后的门板

This machine is used for laminating the door panel which with pattern on the surface. Suitable for small quantity door panel production.

膜分切机

Film slitting machine

该设备用于分切不同尺寸的彩膜，分切后的彩膜用于门板、门套、线条包裹。

This machine is used for cutting color film in different sizes. The film can be used for laminating the door panel, door frames, profiles, etc.



CNC雕刻机

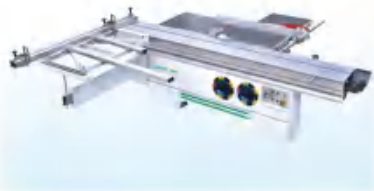
CNC Engraving machine

本机采用欧化设计,喷塑外壳,结构紧凑,安装方便,完善的能量控制系统,噪音低,操作方便,保护功能齐全,运行安全可靠,使用高效节能。

The machine adopts Europeanized design, plastic shell, compact structure, easy installation, perfect energy control system, low noise, easy operation, complete protection function, safe and reliable operation, high efficiency and energy saving.

木塑辅助设备

Auxiliary machine for WPC products



精密切割锯

Precision cutting machine

用于门板定尺裁切及线条角度切割。

This machine is used for cutting door panel with fixed length and profile line at a certain angle.

立式铣床

Vertical milling machine

用于门板侧面开槽

This machine is used for door panel side grooving



双头锁孔机

Double Keyhole machine

该设备用于门板的正面及侧面的锁孔加工。

This machine is used for processing the keyholes on the front and side of the door panel.

WELCOME TO HEGU

