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PIPE EXTRUSION MACHINERY

苏州金纬机械制造有限公司
SUZHOU JWELL MACHINERY CO., LTD.



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A Global Supplier of Complete Solutions on Extrusion Technology
金纬机械—全球挤出技术 整体解决方案供应商

10+ 驻海外办事处 Overseas Offices
580+ 技术研发&工程师 R&D Engineer
3,000+ 金纬机械员工人数 Jwell Employee
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500+ 独家专利技术 Patents
1,000,000m²+ 工厂面积 Plant Area



80年代初

金海螺第一代螺杆研制成功

In the early 1980s, the first generation screw of JINHAILUO was successfully developed

1997

上海金纬机械

Shanghai JWELL Machinery

2008

苏州金纬机械

Suzhou JWELL Machinery

2012

常州金纬机械

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2018

贝克威尔(泰国)

Bkwell (Thailand)

2019

浙江金纬智能装备

Zhejiang JWELL Machinery

2020

金纬公司业绩突破50亿人民币

Jwell's annual sales exceeded CNY 5 billion

2021

滁州金纬机械

Chuzhou JWELL Machinery

2022

连续11年荣获中国塑料机械挤出行业排名首位

Ranked first in China's plastic machinery extrusion industry for 11 consecutive years

We Know
Extrusion

SUZHOU JWELL MACHINERY

— 专注塑料管道挤出装备制造和技术服务

Focus on plastic pipe equipment manufacture and technical services

苏州金纬机械制造有限公司是上海金纬公司的主关键零部件制造基地和重要发展战略中心。位于苏州市太仓市工业园区，厂区占地面积300余亩，员工1000余人，其中技术研发人员280多名；公司致力于高效节能塑料挤出成型自动化设备的研发、制造，每年生产销售出的高档塑料挤出生产线1000多(台)套。

公司本着“用心持久、拼搏创新”的企业精神，不断探索挤出新领域的开拓。25+年积累丰富经验的机械、电气调试工程师团队，在全球多地为您提供强有力的支持与服务。



金纬机械作为中国知名塑机品牌，出口俄罗斯、印度、韩国、印尼、中东、非洲和南美洲、西班牙、意大利等100多个国家和地区，深受国外用户的好评。

Suzhou Jwell Machinery Co., Ltd. is the main and key parts manufacturing base and important development strategy center of Shanghai Jwell. Located in the Industrial Park of Taicang, Suzhou City, the factory covers an area of more than 200,000 m² and employs more than 1,000 people, including more than 280 technical R&D personnel. The company is committed to the research and development and manufacture of high-efficiency and energy-saving plastic extrusion molding automation equipment. There are more than 1,000 sets of high-grade plastic extrusion production lines. The team of mechanical and electrical commissioning engineers with 25+ years of accumulated rich experience provides you with strong support and services in many places around the world.

As a well-known plastic machine brand in China, Jwell Machinery is exported to more than 100 countries and regions such as Russia, India, South Korea, Indonesia, the Middle East, Africa and South America, Spain, Italy, etc., and is well accepted by foreign clients.

“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

Email: he@jwell.cn

"Excellent Quality, Perfect All" is Jwell's quality policy, and all staff's working direction.

"Be honest" is the core idea for us to contribute

"Century JWELL"

President: He Haichao Mobile/WhatsApp +86 13601628188



大口径HDPE实壁管挤出生产线 Large Diameter HDPE Solid Wall Pipe Extrusion Production Line

Performance & Advantages: Extruder is JWS-H series High efficiency, high output single screw extruder. The special screw barrel structure design ensures ideal melt uniformity at lower solution temperatures. Designed for large-diameter pipe extrusion, the spiral distribution structure mold is equipped with an in-mold suction pipe internal cooling system. Combined with a special low-sag material, it can produce ultra-thick-walled, large-diameter pipes. Hydraulic opening and closing two-stage vacuum tank, computerized centralized control and coordination of multiple crawler tractors, chipless cutter and all units, a high degree of automation. The optional wire rope tractor can make the initial operation of the large-caliber tube more convenient.

性能和优点: 挤出主机为JWS-H系列高效率、大产量的单螺杆挤出机。特殊的螺杆料筒结构设计，在较低的熔体温度下能够保证理想的熔体均匀度。专为大口径管材挤出设计的螺旋分配结构模头，配有模内抽气的管道内冷系统，配合专用的低熔垂PE100原料，能生产超厚壁、超大口径实壁管。两段式液压开合移动真空定型箱和独立控制的多履带牵引机、无屑切割机，由电脑集中控制协调各个机组，自动化程度高，连续生产稳定。可选配钢丝绳牵引装置，使大口径管的每次初始开机启动操作更为方便。

主要技术参数 Main Technical Parameters

生产线型号	生产管材规格	挤出机型号	主电机功率	生产挤出量
Model	Pipe Spec (mm)	Extruder	Main Power(kw)	Output (kg/h)
JWEG-800	Ø400-Ø800	JWS-H 90/42	315	1000-1200
JWEG-1000	Ø500-Ø1000	JWS-H 120 /38	355	1200-1400
JWEG-1200	Ø630-Ø1200	JWS-H 120/38	355	1200-1400
JWEG-1600	Ø1000-Ø1600	JWS-H 150/38	450	1800-2000
JWEG-2500	Ø1400-Ø2500	JWS-H 120/38+120/38	355+355	2200-2500

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.



高速节能型HDPE实壁管挤出生产线 High-speed Energy-saving HDPE Solid Wall Pipe Extrusion Line

Performance & Advantages: Our company's latest research and development of energy-saving high-speed production line, suitable for high-speed polyolefin pipe extrusion. 35% energy saving and 1x increase in production efficiency. Specifically designed 38-40 L/D screw structure and the feeding slot barrel make the melt extrusion and plasticizing effects greatly improved. High-torque, high-strength gearboxes ensure stable operation of the equipment. Extrusion molds and sizing sleeves adopt the most advanced design structure. The PLC variable frequency control vacuum tank, servo-driven multi-track tractor, and high-speed chipless cutter are equipped with a meter weight control system. The pipe extrusion weight is more accurate.

性能和优点: 我公司新研发推出的节能高速生产线，适用于聚烯烃类管材的高速挤出。节能35%，生产效率增加1倍。38-40D的长径比特特殊设计的螺杆结构和喂料槽机筒，使得熔体挤出量和塑化效果都大幅度提高。采用高扭矩、高强度齿轮箱，设备运行稳定。

挤出模头、定径套都采用先进的设计结构，配合PLC变频控制的真空冷却箱，伺服驱动的多履带牵引机、高速无屑切割机，再加上精准的管材米重控制系统，生产线运作高度可靠、节能高效、噪音小，是当前高性能管材挤出设备的典范。



主要技术参数 Main Technical Parameters

生产线型号	生产管材规格	挤出机型号	主电机功率	生产挤出量
Model	Pipe Spec (mm)	Extruder	Main Power(kw)	Output (kg/h)
JWPEG-H63	Ø16-Ø63	JWS-H 60/40	90	400
JWPEG-H110	Ø20-Ø110	JWS-H 60/40	110	450
JWPEG-H160	Ø50-Ø160	JWS-H 75/38	132	500
JWPEG-H250	Ø75-Ø250	JWS-H 75/38	132	550
JWPEG-H315	Ø110-Ø315	JWS-H 75/38	160	650
JWPEG-H450	Ø160-Ø450	JWS-H 90/38	250	950
JWPEG-H630	Ø315-Ø630	JWS-H 90/38	280	1050

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.



多层HDPE实壁管共挤生产线

Multi-layer HDPE Solid Wall Pipe Co-extrusion Line

Performance & Advantages: According to the special needs of users, we can provide 2-layer / 3-layer / 5-layer and multilayer solid wall pipe line.

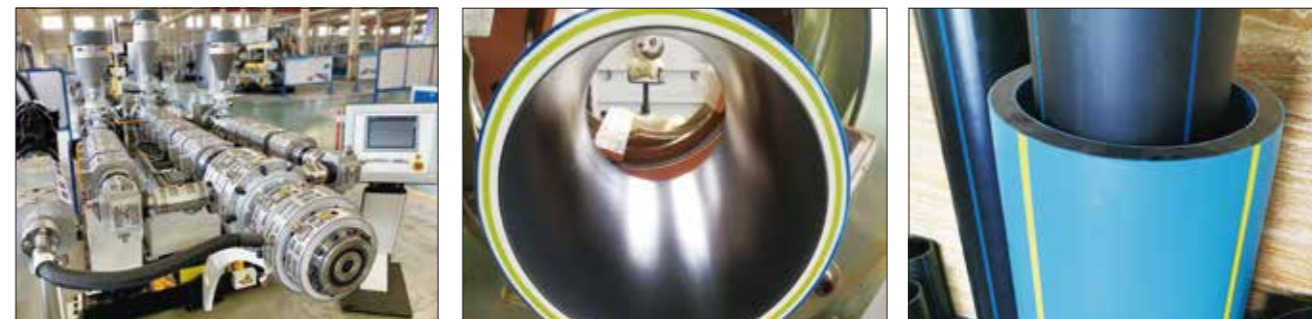
Multiple extruders can be synchronized, and multiple meter weight control system can be selected. can be centralize controlled in a main PLC to achieve precise and quantitative extrusion of each extruder.

According to the multi-layer spiral mold designed with different layers and thickness ratios, the distribution of mold cavity flow channels is reasonable to ensure that the tube layer thickness is uniform and the plasticization effect of each layer is better.

性能和优点: 根据用户的特殊需求, 我们可以提供2层/3层/5层以及多层的实壁管生产线。

多台挤出主机可统一同步调速, 可以选配多台米重控制系统, 由主操控台PLC集中控制, 实现每一台主机的精准定量挤出。

按不同层数和每层厚度比例设计的多层螺旋模具, 模腔流道分布合理, 确保管材分层厚度均匀, 每一层的塑化效果更好。



主要技术参数 Main Technical Parameters

生产线型号	生产管材规格	挤出机型号	主电机功率	生产挤出量
Model	Pipe Spec (mm)	Extruder	Main Power(kw)	Output (kg/h)
JWPEG-63	16-63	JWS65/33+45/25	55+15	170-220
JWPEG-110	20-110	JWS65/33+45/33	75+22	250-300
JWPEG-160	50-160	JWS60/40+45/33	90+22	400-500
JWPEG-250	75-250	JWS60/40+45/33	110+22	450-510
JWPEG-315	110-315	JWS75/38+45/33	132+30	550-610
JWPEG-450	160-450	JWS75/38+65/33	160+55	740-810
JWPEG-630	315-630	JWS90/38+65/33	250+75	1200-1240

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.

MPP高速节能电力管挤出生产线

MPP High-speed Energy-saving Power Pipe Extrusion Line

The Extrusion line is mainly used to produce modified polypropylene cable conduit (Protective Pipe)

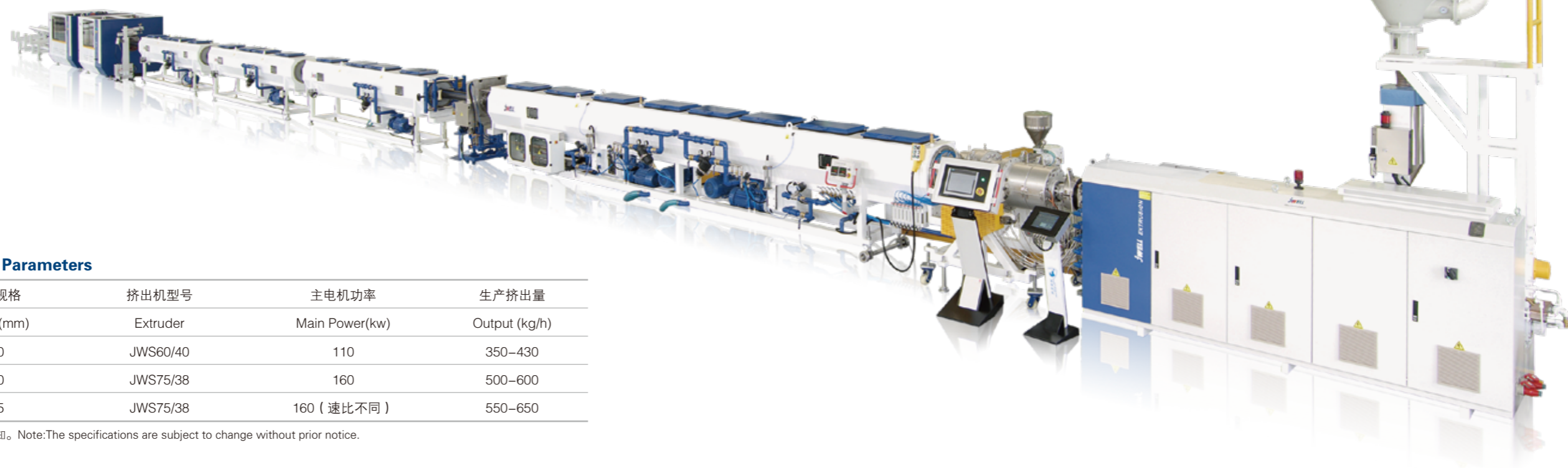
Performance & Advantages:

- 1.MPP special 38D screw and screw groove feeding section, heat preservation cotton heating ring, low energy consumption while melt extrusion and plasticizing effect, and high torque reducer to ensure low noise operation and efficient output.
- 2.The extrusion mold is designed with special flow channel and added with air duct and double water ring sizing sleeve to ensure product quality and reduce cooling length.
- 3.304 vacuum cooling tank controlled by frequency conversion, integrated water supply and drainage system, energy saving and noise reduction.
- 4.The servo driven multi track tractor can adapt to different pipe diameters with large speed regulation range.
- 5.High speed self centering chip free cutting machine, convenient and fast operation.
- 6.The precise meter weight control system reduces the requirements of the production line on the ability and quality of workers, saving energy and efficiency.

该生产线主要用于生产改性聚丙烯电缆导管（护套管）

性能和优点:

- 1.采用MPP专用38D螺杆和螺槽式喂料段，保温棉加热圈，熔体挤出量和塑化效果的同时低能耗，采用高扭矩减速机确保低噪音运行高效输出。
- 2.挤出模具采用专用流道设计和加大风管、双水环定径套，保证制品品质，减少冷却长度。
- 3.变频控制的304材质真空冷却箱，集成供排水系统，节能降噪。
- 4.伺服驱动的多履带牵引机，适应调速范围大的不同管径。
- 5.高速自定心无屑切割机，操作便捷快速。
- 6.精准米重控制系统，生产线降低对工人能力和素质的要求，节能高效。



主要技术参数 Main Technical Parameters

生产线型号	生产管材规格	挤出机型号	主电机功率	生产挤出量
Model	Pipe Spec (mm)	Extruder	Main Power(kw)	Output (kg/h)
MPP-160	50-160	JWS60/40	110	350-430
MPP-250	75-250	JWS75/38	160	500-600
MPP-315	90-315	JWS75/38	160 (速比不同)	550-650

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.

小口径PE/PPR/PE-RT/PA单管、双管高速挤出生产线 Small-caliber PE/PPR/PE-RT/PA Single-pipe, Dual-pipe High-speed Extrusion Production Line

Performance & Advantages: The main screw adopts BM high-efficiency type, and the output is fast and plasticized well. The wall thickness of pipe products is precisely controlled and very less waste of raw materials. Tubular extrusion special mold, water film high-speed sizing sleeve, equipped with integrated flow control valve with scale. Servo-controlled high-speed double-belt haul off unit, supporting high-speed chipless cutter and winder, adapt to high-speed production operation. Dual pipe extrusion line can double the output and occupy less factory space.

性能和优点: 该生产线挤出主机螺杆采用BM高效型，产量高、速度快、塑化好。挤出稳定，能保证管材的壁厚控制在精准公差范围之内，同时也能够减少原料浪费。

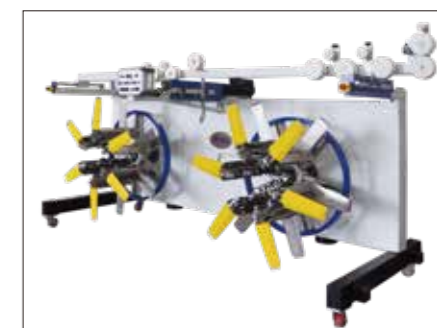
小管挤出专用模具，水膜式高速定径套，配备集成带刻度流量调节阀。小管成型快，速度高。

伺服控制高速双皮带式牵引机，配套高速无屑切割机或者高速收卷机，适应高速生产运行。

双管挤出生产线彻底解决了小管生产中的产量限制，生产线能够成倍的提高产量，占用场地面积和用人数量也大大减少。

主要技术参数 Main Technical Parameters

生产线型号 Type	生产管材规格 Pipe Spec (mm)	挤出机型号 Extruder	主电机功率 Main Power(kw)	生产挤出量 Output (kg/h)
PE/PERT 75	Ø20 ~ Ø75	JWS-H 60/40	110	380 ~ 420
		JWS 65/33	90	350 ~ 400
PPR 75	Ø20 ~ Ø75	JWS-H 60/40	75	200 ~ 240
		JWS 65/33	110	300 ~ 340
PE/PERT 32	Ø16 ~ Ø32	JWS-H 60/40	90	280 ~ 320
		JWS 65/33	75	160 ~ 195
			110	380 ~ 420
			90	350 ~ 400



保温管生产线 PE Insulation Pipe Extrusion Line

Performance and features:

PE insulation pipe is also called PE outer protection pipe, jacket pipe, sleeve pipe. The direct buried polyurethane insulation pipe is made of HDPE insulation pipe as the outer protective layer, the middle filled polyurethane rigid foam is used as the insulation material layer, and the inner layer is steel pipe. Polyurethane direct buried insulation pipe has good mechanical properties and thermal insulation performance. Under normal circumstances, it can withstand high temperature of 120–180 °C, and is suitable for various cold and hot water high and low temperature pipeline insulation projects.

The insulation pipe production line is designed with a special PE insulation pipe mold, the extrusion pressure is stable, and the thickness of the thin-walled pipe is uniform. The extrusion speed is fast, the output of the blown type is greatly improved, the surface is brighter, and the operation automation is high.

性能与特点: PE保温管也叫PE外护管, 夹克管, 套筒管。直埋聚氨酯保温管是由HDPE保温管作为外保护层, 中间填充聚氨酯硬质泡沫塑作为保温材料层, 内层为钢管。聚氨酯直埋保温管具有良好的机械性能和绝热性能, 通常情况下可耐高温120—180°C, 适用于各种冷、热水高低温管道的保温工程。

保温管生产线设计有特殊的PE保温管模具, 挤出压力稳定, 薄壁管厚度均匀。挤出速度快, 相比传统吹气式产量大幅度提高, 表面更加光亮, 操作自动化程度高。

主要技术参数 Main Technical Parameters

型号 Type	挤出主机 Extruder	生产保温管规格 Pipe spec(mm)
JWGB630	JWS75/38或JWS90/33	Φ200–Φ630
JWGB1000	JWS90/38或JWS90/33	Φ315–Φ960
JWGB1400	JWS120/38或JWS120/33	Φ760–Φ1380
JWGB1700	JWS120/38或JWS150/33	Φ1054–Φ1680
JWGB2000	JWS120/38或JWS-150/33	Φ1054–Φ1960



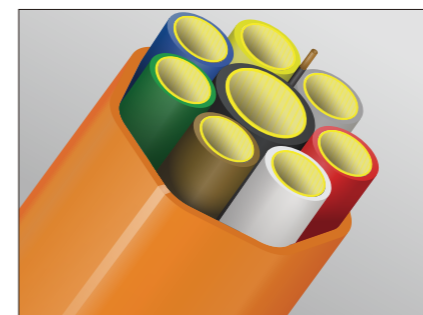
硅芯集束管生产线 Silicon Core Pipe Extrusion Line

Performance & Advantages: The raw material of the silicon core tube substrate is high-density polyethylene, the inner layer used a lowest friction coefficient silica gel solid lubricant. It is corrosion resistance, smooth inner wall, convenient gas blowing cable transmission, and low construction cost. According to the needs, different sizes and colors of small tubes are concentrated by external casing. The products are applied to optical cable communication network system for freeway, railway and so on.

The production line can realize multiple base pipes at the same time, high speed unwinding, and quickly and evenly cover the outer casing. Synchronous traction, cut-off and finished product coiling are controlled by computer, with high production speed and efficiency.

性能和优点: 硅芯管基材原材料为高密度聚乙烯, 管内壁为摩擦系数最低的硅胶质固体润滑层。耐腐蚀, 内壁光滑, 吹气穿线缆方便, 工程造价低。根据使用需求将不同数量和颜色的小管由外部护套管集中在一起。制品应用于高速公路, 铁路等的光缆通信网络系统。

该生产线可实现多条基管同时高速放卷, 快速均匀包覆挤出外层护套管。同步的牵引、切断和成品收卷均采用电脑集中控制, 生产速度快, 效率高。



PVC-UH/UPVC/CPVC管材挤出生产线

PVC-UH/UPVC/CPVC Pipe Extrusion Line

Performance & Advantages: A variety of specifications and models of PVC twin-screw extruder can produce pipes of different diameters and different wall thicknesses.

Specially designed screw structure with uniform plasticization and high output. Extrusion molds made of high quality alloy steel, internal flow channel chrome plating, polishing treatment, wear and corrosion resistance; with a dedicated high-speed sizing sleeve, pipe surface quality is good.

The special cutter for PVC pipe adopts a rotating clamping device, which does not require replacing the fixture with different pipe diameters. With chamfering device, cutting, chamfering, one-step molding. Support optional online bellling machine.

性能和优点: 针对管材制品不同直径、不同壁厚产量的需求, 有多种规格型号的PVC专用双螺杆挤出主机可供选择。特殊设计的螺杆结构, 塑化均匀, 产量高。

PVC挤出模头采用优质合金钢制造, 内部流道经过镀铬高抛光处理, 耐磨耐腐蚀; 配合专用的定径套, 制品生产速度快, 管材表面质量好。

PVC管材专用的切割机采用旋转夹紧装置, 适应不同管径, 免去频繁更换夹具的麻烦。配备新式可调浮动倒角机构, 可根据管径大小及壁厚调节倒角大小, 切断、倒角一步成型。配套可选在线扩口机。



主要技术参数 Main Technical Parameters

生产线型号 Type	生产管材规格 Pipe Spec(mm)	挤出机型号 Extruder	主电机功率 Main Power(kw)	生产挤出量 Output(kg/h)
JWG-PVC63	Φ16-Φ63	SJZ65/132	37	250~300
JWG-PVC110	Φ20-Φ110	SJZ65/132	37	250~300
JWG-PVC160	Φ50-Φ160	SJZ65/132	37	250~350
JWG-PVC250	Φ75-Φ250	SJZ80/156	55	300~450
JWG-PVC400	Φ200-Φ400	SJZ80/173	75	450~600
JWG-PVC500	Φ250-Φ500	SJZ80/173	75	450~600
JWG-PVC630	Φ315-Φ630	SJZ92/188	110	650~750
JWG-PVC800	Φ400-Φ800	SJZ95/192 or SJP135/31	132	850~1000
JWG-PVC1000	Φ630-Φ1000	SJZ110/220 or SJP135/31	160	1100~1200
JWG-PVC1200	Φ800-Φ1200	SJZ110/220 or SJP135/31	160	1100~1200

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.

三层PVC实壁管共挤生产线

Three-layer PVC Solid Wall Pipe Co-extrusion Production line

Performance & Advantages: Use two or more SJZ series conical twin screw extruder to implement co-extruded three-layer PVC pipe. The sandwich layer of the pipe is high-calcium PVC or PVC foam raw material.

1. The extruder uses super wear-resistant alloy screw barrel; the twin-screw feeds evenly and the powder doesn't bridge.
2. Optimized design of PVC three-layer mold, the internal flow channel is chrome-plated and highly polished, wear and corrosion resistant; with special sizing sleeve, the pipe product has high speed and good surface.
3. Cutting machine adopts rotating clamping device to adapt to different pipe diameters, eliminating the trouble of frequent replacement of fixtures. Equipped with a new type of adjustable floating chamfering mechanism, the size of chamfer can be adjusted according to the pipe diameter and wall thickness, cutting and chamfering can be performed in one step. Closed suction device, better chip suction effect.

性能和优点: 使用2台以上的SJZ系列锥双主机实施共挤生产三层PVC管。管材夹心层为高钙PVC或者PVC发泡原料。

- 1、主机均采用超耐磨合金螺杆机筒；双螺杆喂料机喂料均匀，粉料不架桥。
- 2、优化设计的PVC三层模具，流道经过镀铬高抛光处理，耐磨耐腐蚀；配合专用的定径套，生产速度快，管材质量好。
- 3、切割机采用旋转夹紧装置，适应不同管径，免去频繁更换夹具的麻烦。配备新式可调浮动倒角机构，可根据管径大小及壁厚调节倒角大小，切断、倒角一步成型。密闭式吸尘装置，吸屑效果更好。



主要技术参数 Main Technical Parameters

生产线型号 Type	生产管材规格 Pipe spec (mm)	挤出机型号 Extruder	主电机功率 Main Power(kw)	生产挤出量 Output (kg/h)
JWG-PVC250 Three-layer	Ø75 ~ Ø250	SJZ65/132+55/110	37+22	300~400
JWG-PVC450 Three-layer	Ø200 ~ Ø450	SJZ80/156+65/132	55+37	400~600
JWG-PVC630 Three-layer	Ø315 ~ Ø630	SJZ92/188+65/132	110+37	740~900

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双管挤出生产线 PVC Dual Pipe Extrusion Line

Performance & Advantages: Corresponding to the different requirements of pipe diameter and output, there are two types of SJZ80 and SJZ65 special twin-screw extruders optional; the dual pipe die evenly distributes the material output, and the pipe extrusion speed is quickly plasticized.

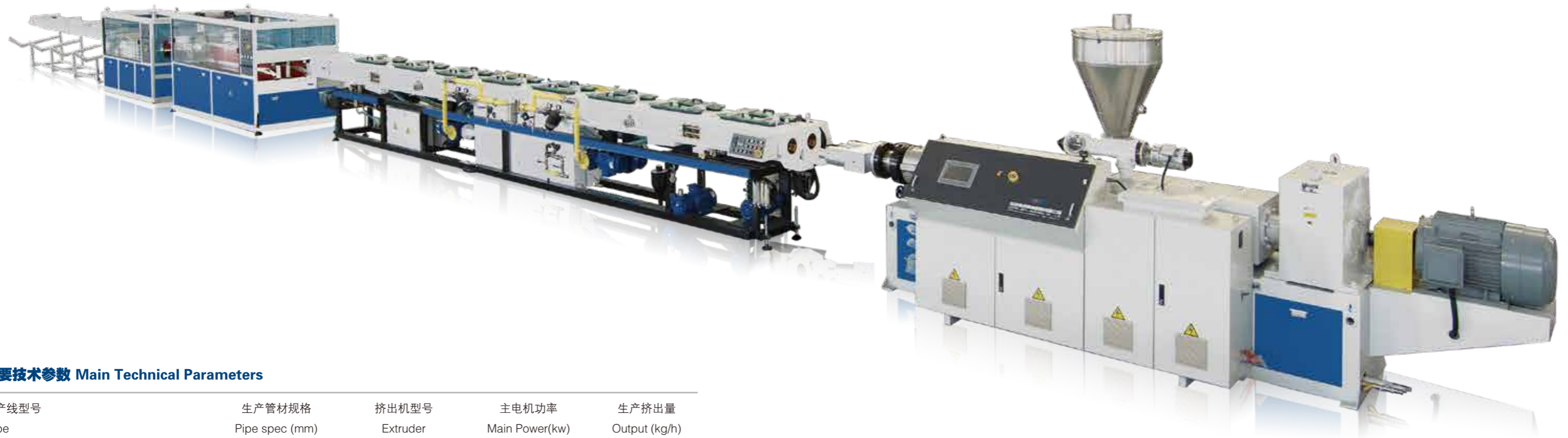
High-efficiency double-vacuum cooling box can be controlled separately, and the adjustment operation is convenient in the production process.

Dustless cutting machine, double station independent control, fast speed, accurate cutting length. Pneumatically rotating clamps eliminates the need to change clamps. With chamfering device optional.

性能和优点: 对应管径和产量的不同要求, 有SJZ80和SJZ65两种型号的专用双螺杆挤出机可供选择; 双管模具均匀分配出料量, 管材挤出速度快塑化好。

高效率的双真空冷却箱 可以单独控制, 生产过程中调节操作方便。

无尘切割机, 双工位独立控制, 速度快, 切割长度准确。气动旋转夹紧, 免更换夹块。可选带倒角装置。



主要技术参数 Main Technical Parameters

生产线型号 Type	生产管材规格 Pipe spec (mm)	挤出机型号 Extruder	主电机功率 Main Power(kw)	生产挤出量 Output (kg/h)
JWG-PVC63 (双管 Two strand)	16 ~ 63	SJZ65/132	37	250 ~ 300
JWG-PVC110 (双管 Two strand)	50 ~ 110	SJZ80/156	55	350 ~ 450
JWG-PVC200 (双管 Two strand)	50 ~ 200	SJZ80/173	75	450 ~ 600

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四管挤出生产线

PVC Four-pipe Extrusion Production Line

Performance & Advantages: Performance characteristics: The latest type of four PVC electrical bushing production line adopts a twin-screw extruder with high output and good plasticization performance, and is equipped with a mold optimized for flow path design. Four pipes discharge evenly and the extrusion speed is fast. Four vacuum cooling tanks can be individually controlled and adjusted without affecting each other in the production process. Four out of the traction cutting integrated design, save space. Universal rotary clamping, no change clip block. Chipless cutting speed, high precision, accurate cutting length. Optional automatic laser printing system.

性能和优点: 新型的一出四PVC电工套管生产线，采用高产量、塑化性能好的双螺杆挤出机，配以流道优化设计的模具，四根管出料均匀，挤出速度快。四个真空冷却箱可以单独控制调整，生产过程中互不影响。四出牵引切割一体集成设计，节省空间。万能旋转夹紧，免更换夹块。无屑切割速度快，精度高，切割长度准确。可选配自动激光打印系统。



主要技术参数 Main Technical Parameters

生产线型号 Type	生产管材规格 Pipe spec (mm)	挤出机型号 Extruder	主电机功率 Main Power(kw)	生产挤出量 Output (kg/h)
JWG-PVC32 (四管Four strand)	16-32	SJZ65/132	30	200-300
JWG-PVC32-H (四管Four strand)	16-32	SJZ65/132	37	250-350

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.

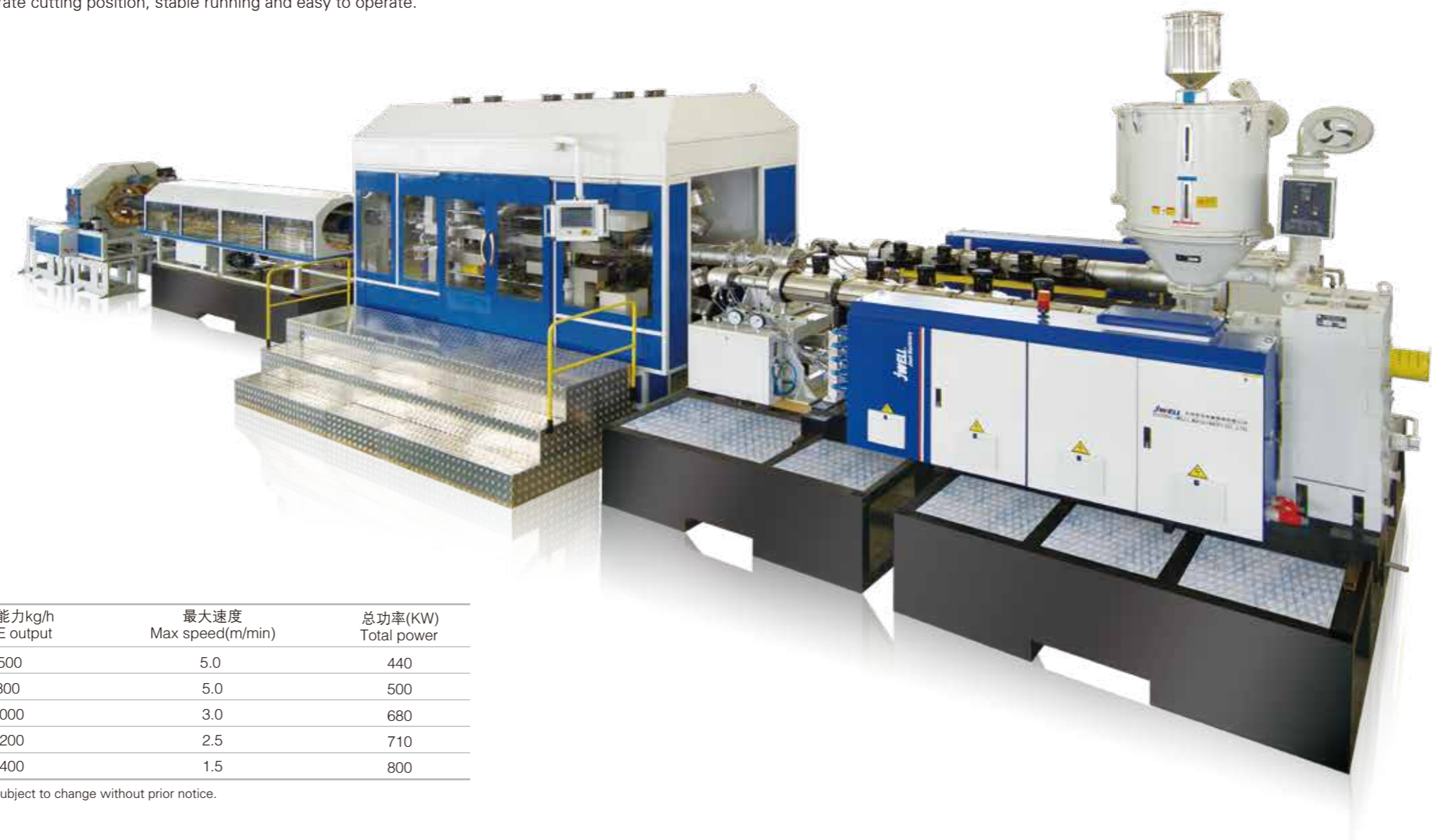
高速单螺杆主机挤出PE/PP双壁波纹管生产线 High-speed Single Screw Extruder PE/PP Double Wall Corrugated Pipe Production Line

Performance & Advantages: The corrugated pipe line is the 3rd generation of improved product of Suzhou Jwell. The output of the extruder and the production speed of the pipe are greatly increased by 20-40% compared with the previous product. Online bellling can be achieved to ensure the performance of the formed corrugated pipe products. Adopts Siemens HMI system.

1. The newly designed closed molding machine adopts a special high-efficiency cooling system for forming aluminum modules, which greatly improves the cooling efficiency in the production of corrugated pipe products.
2. High-speed, high-output single-screw extrusion machine supporting a professional design of the corrugated pipe extrusion mould to achieve large-scale stable extrusion.
3. Good interchangeability of the module; the aluminum forming module uses LY12 high-quality alloy aviation aluminum material with copper content $\geq 5\%$, precision pressure casting process, high density material, no light pores, long-term use is not easily deformed. Can customize various module waveform schemes according to the user's requirements.
4. Supporting automatic DWC cutter, computer control, accurate cutting position, stable running and easy to operate.

性能和优点: 该波纹管生产线为苏州金纬公司第三代改进产品, 主机挤出产量和管材生产速度比之前产品大幅度提高20-40%。可以实现在线扩口, 能确保成型后的波纹管制品各项性能指标。设备整线采用西门子人机界面控制系统, 挤出性能稳定, 自动化程度高, 操作简单。

- 1、新设计的封闭式成型机, 采用专用的成型铝模块高效冷却系统, 大幅度提高波纹管制品生产中的冷却效率。
- 2、高速、高产量单螺杆挤出主机, 配套专业设计的波纹管挤出模头, 实现大产量稳定挤出。
- 3、批量生产的成型机重要部件精度高, 模块互换性好; 成型铝模块选用含铜量 $\geq 5\%$ 的LY12优质合金航空铝材料, 精密压力铸造工艺, 铝模块密度高, 光亮无气孔、高强度, 长期使用不易变形。可以按照用户的要求定制各种模块波形方案。
- 4、配套的全自动波纹管切割机, 电脑程序控制, 切割位置精准, 运行稳定 使用方便。



主要技术参数 Main Technical Parameters

型号 Type	管材直径(mm) Pipe diameter	生产能力kg/h HDPE output	最大速度 Max speed(m/min)	总功率(KW) Total power
JWSBL-300	110-300	500	5.0	440
JWSBL-600	200-600	800	5.0	500
JWSBL-800	200-800	1000	3.0	680
JWSBL-1000	200-1000	1200	2.5	710
JWSBL-1200	800-1200	1400	1.5	800

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.

同向平双&锥双螺杆主机系列HDPE/PP双壁波纹管生产线 Parallel & Conical Twin Screw Extruder Series HDPE/PP Double Wall Corrugated Pipe Line

Performance & Advantages: Suzhou Jwell introduced European advanced technology and newly developed parallel-parallel twin screw extruder HDPE/PP DWC pipe line, which has the following characteristics:

1. Adopt two parallel twin-screw extruders, and the mixing effect is excellent. It is possible to use both powdered and granular raw materials at the same time without the need for granulation and low raw material costs.
2. The extruder is equipped with a side feeding system, which can adjust the calcium powder filling ratio at any time online, and the formula exchange is convenient.
3. Extruder has vacuum vents. To make the inner and outer walls of the pipe dense and smooth without bubbles.
4. The screw & barrel are building block type. maintenance and replacement easily.

性能和优点: 苏州金纬机械公司引进欧洲先进技术, 新开发的同向平行双螺杆主机挤出HDPE/PP双壁波纹管生产线, 具有如下特点:

- 1、采用两台同向平行双螺杆主机, 混炼效果极佳。可以同时用粉状和颗粒原料, 无需造粒, 原料成本低。
- 2、主机配有侧喂料系统, 能在线随时调节钙粉填充料添加比例, 配方调换方便。
- 3、每台主机都有两道排气孔, 并有抽真空装置。使制品管材内外壁密实光滑无气泡。
- 4、螺杆和机筒均为积木式组合而成, 可根据原料配方做优化调整。后期设备维护更换配件成本低。



主要技术参数 Main Technical Parameters

型号 Type	管材直径(mm) Pipe diameter	生产能力kg/h HDPE output	最大速度 Max speed(m/min)	总功率(KW) Total power
JWSBL-600	200-600	800	5.0	500
JWSBL-1000	200-1000	1200	2.5	710
JWSBL-1200	800-1200	1400	1.5	800

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.

卧式单壁/双壁波纹管生产线

Horizontal Single/Double Wall Corrugated Pipe Line

Performance & Advantages: This series of horizontal DWC pipe line is suitable for the extrusion 50–200mm small-diameter DWC pipe. The products are widely used in many fields such as drainage, exhaust, and power. The entire line adopts computer HMI control, has a high degree of self-control, has a number of patented technology, stable operation and high output.

With the new high-efficiency single-screw extruder, the output is greatly plasticized and the pipe products have high flexibility. The molding machine adopts a horizontal structure and is easy to operate.

性能和优点: 该系列卧式双壁波纹管生产线适用于50–200mm小口径双壁波纹管的挤出生产，制品广泛应用于排水、排气、电力等多个领域。整线采用电脑人机界面控制，具有很高的自控性，拥有多项专利技术，运行稳定，产量高。采用新型高效单螺杆挤出机，产量大塑化好，波纹管制品柔韧性好。成型机采用卧式结构，操作方便。



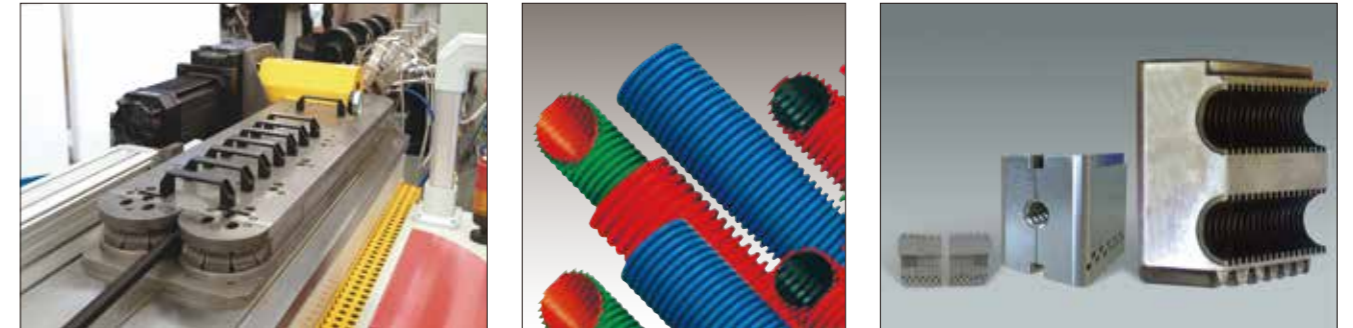
主要技术参数 Main Technical Parameters

型号 Type	挤出机 Extruder	主电机功率 Main Motor	生产线速度 Line Speed
JWSBW-50-110	45/33+45/33	30+18.5KW	0.6–6m/min
JWSBW-50-160	65/33+65/33	45+30KW	0.5–5m/min
JWSBW-110-200	75/33+65/33	90+45KW	0.4–4m/min

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.

小口径单壁波纹管生产线

Small Diameter Single Wall Corrugated Pipe Production Line



Performance & Advantages: This series production line is suitable for the production of small-diameter single-wall corrugated pipe with raw materials such as PP/PE/PA. The special mold can be molded at one time. The surface of the product pipe is smooth and delicate, and the ripple is clear and uniform. Widely used in wire and cable threading pipe, automotive interior circuit protection pipe, concrete pipe, farmland pipe and other fields.

性能和优点: 该系列生产线适用于PP/PE/PA等为原料的小口径单壁波纹管生产，特制模具一次成型，制品管壁外表光滑细腻，波纹清晰均匀。广泛应用于电线电缆穿线管，汽车内部线路保护管、混凝土专用管、农田暗管等领域。

主要技术参数 Main Technical Parameters

型号 Type	挤出机 Extruder	主电机功率 Main Motor	生产线速度 Line Speed
JWDBW 16-32	45/28	15KW	24m/min
JWDBW 16-50	65/28	30KW	20m/min

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.



医疗导管/气管插管/多孔管/精密输液管生产线 Medical / Tracheal Intubation / Multi cavity/Precision Infusion Pipe Extrusion Line

Performance & Advantages:

This series of equipment consists of single screw extruder, extrusion die, vacuum forming cooling tank, high speed belt haul-off unit and servo cutter, customers can choose online precision outer diameter measuring device, melt gear metering pump, high-speed winder, etc. Equipment and product contact surface can be made of stainless steel (SUS304) or designed to match customer's requirements.

- Applicable materials: PVC, TPU, PE, PP, Teflon, PA, PEEK and other materials for medical application.
- Applicable tubes: Nasal oxygen cannula, tracheal intubation, infusion tube, elastomeric infusion tube, double-cavity, multi-cavity and single row tube, etc.
- Applicable tube diameter and margin of tolerance: outside diameter: 1.5~20mm; dimensional tolerance of outside diameter: ± 0.01 , ± 0.02 , ± 0.05 mm; wall thickness: 0.1~3.0mm.

性能和优点:

该系列设备由单螺杆挤出主机、挤出模具、真空成型冷却水槽、高速皮带牵引、伺服切断机组成，客户可根据需求选配在线精密外径测量仪，熔体齿轮计量泵，高速收卷机等，设备和产品接触面铺设不锈钢面 SUS304或可根据客户需求定制。

- 设备采用材料：医用级聚氯乙烯(PVC)；医用级聚氨酯(TPU)；聚丙烯和聚乙烯(PE,PP)，氟材料(Teflon)，聚酰胺(PA)，聚醚醚酮(PEEK)等其他材料。
- 滴用管类名称：鼻痒管、气管插管、输液管和高弹性输液管、双腔、多腔、单排管等。
- 管径和公差范围：外径：1.5mm~20mm；外径尺寸公差： ± 0.01 mm, ± 0.02 mm, ± 0.05 mm；壁厚：0.1mm~3.0mm。



主要技术参数 Main Technical Parameters

生产线型号 Type	螺杆直径 Screw Diameter	螺杆长径比 Screw L/D	主电机功率 Main Power	产量 Capacity
JWS-45	45mm	25-28	7.5/11kw	15-30kg/h
JWS-50	50mm	28-30	15/18.5kw	30-45kg/h
JWS-65	65mm	28-30	30/37kw	50-80kg/h
JWS-75	75mm	28-30	37/45kw	70-100kg/h

RTP缠绕增强复合管生产线 RTP Reinforced Spiral Pipe Extrusion Line

Performance & Advantages: This line is mainly composed of inner tube extrusion and outer coating extrusion systems, multiple sets of winding machines, cooling setting devices, winders and control systems. The use of computerized centralized data control enables accurate control of the precise weight control of the inner tube, simultaneous traction control, automatic tube-lined coiling, and automatic multi-station precise layer control in the process.

The advantages and applications of RTP pipe: RTP winding reinforced composite pipe is a new type of plastic composite pipe that is resistant to high pressure, corrosion resistance and flexibility. Used in petroleum, water supply and other high pressure transportation environment. The inner layer of the product is a corrosion-resistant and wear-resistant polyethylene pipe, the middle layer is a reinforced winding layer, and the outer layer is a protective polyethylene layer. The working pressure of the aramid fiber-reinforced RTP tube can be as high as 9-14 MPa and the burst pressure can be as high as 40 MPa.

性能和优点: 该生产线主要由内管挤出和外包覆层挤出系统、多组缠绕机、冷却定型装置、收卷机及控制系统组成。采用电脑集中数据控制，在管材生产过程中可以实现内管精确米重控制、同步牵引控制、全自动管材排线成卷以及多工位自动精确层控等精确控制。

关键技术的缠绕机为双盘式机器，可采用自动交错螺旋缠绕工艺，通过旋转机构在管材上均匀缠绕两条呈螺旋状的增强带。全电脑控制使得该缠绕机能够有效实现左右带盘的张力控制、缠绕速度、带盘步进、缠绕角度调整以及设备监视，具有很高的自动化水平和缠绕效率。

RTP 管材的优势及应用：RTP 缠绕增强复合管是一种耐高压、抗腐蚀且柔性好的新型塑料复合管材。应用于石油、供水等高压输送环境。制品内层是耐腐抗磨聚乙烯管，中层是增强的缠绕层，外层是保护用的聚乙烯层。芳纶纤维增强的RTP 管的工作压力可高达9-14MPa，爆破压力可高达40MPa。

主要技术参数 Main Technical Parameters

生产线型号 Type	管材规格 Model(mm)	配套挤出机 Extruder	最大挤出货量 Output(kg/h)	总装机功率 Power(kW)
JWG-RTP-160	63-160	JWSGX60/38	120-300	160
JWG-RTP-250	75-250	JWSGX75/38	300-500	210
JWG-RTP-315	110-315	JWSGX75/38	400-600	238

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.



多层共挤管材生产线 Multi-layer Co-extrusion Pipe Line

HDPE Multi-layer Co-extrusion Silicon Core Pipe Line HDP 多层共挤硅芯管

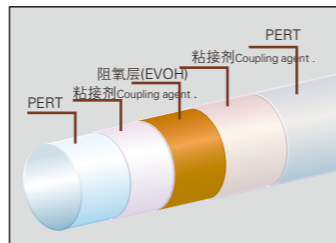
HDPE-Silicon duct Multi-layer co-extrusion pipe is new composite pipe by multi extruder co-extrusion, the main raw material is high density polyethylene, core layer is the lowest friction coefficient of the solid lubricant silicone resin, better sealing performance, chemical corrosion resistance, widely used in optical cable communication network system. 由多台挤出机同步共挤的新型复合管道，主要原材料为高密度聚乙烯，芯层内壁为摩擦系数最低的固体润滑剂硅胶质，密封性能好，耐化学腐蚀，应用于光纤电缆通信网络系统。



EVOH Anti-Oxygen Multi-layer Pipe Production Line EVOH 多层阻氧管

EVOH Anti-Oxygen multi-layer pipe has three layers and five layers structure, it has high weather resistance and blocking oxygen function. Stopping the microorganism go inside the pipe, preventing the corrosion of the metal part in the heating system. Mainly used for direct drinking water system and heating pipeline system, etc.

有三层结构和五层结构，具有出色的耐候性和遮光阻氧双重功能，能有效抑制系统中的微生物，防止供暖系统中的内部金属部分腐蚀生锈。主要用于直饮水系统以及采暖管道系统等。



Glass-fiber Reinforced Multi-layer Co-extrusion Pipe 玻纤增强多层共挤管

The PPR glass fiber reinforced pipe is produced by the two-extruders/three-extruders co-extrusion, which is better in pressure resistance, temperature resistance, high strength, impact resistance and longer service life than the ordinary PPR pipe, widely used in solar energy, thermal energy circulation systems, water supply field.

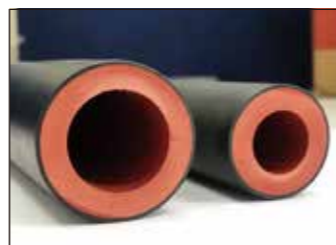
用两机/三机共挤方案生产PPR玻纤增强管，比普通PPR管耐压、耐高温，高强度、抗冲击性能更好，使用寿命更长。应用于太阳能、热能循环系统、取暖、供水领域。



EVA Heat Shrinkage Multi-layer Co-extrusion Pipe EVA 多层热缩管

EVA heat shrinkage multi-layer co-extrusion pipe, it is composed by the outer layer with high quality soft cross-linked polyolefin materials and the inner layer with hot melt adhesive, has high temperature shrinkage, fire resistant, insulation with anti-corrosion function. Widely used in electronic equipment wiring waterproof, anti leakage, multi strand wire harness sealing waterproof, wire and cable repair and other industry.

外层采用优质柔软交联聚烯烃材料及内层热熔胶复合加工而成的，具有高温收缩、柔软阻燃、绝缘防腐功能。应用于电气设备线束、电感的密封防水、防腐，线缆的修补绝缘保护等场合。



PP Ultra-quiet Drain Pipe Production Line PP 超静音排水管生产线

PP ultra-quiet tube adopts two or three machines co-extruded to produce special sound-insulating viscoelastic material as the middle layer, which can adjust the density and microstructure of the pipe, absorb the audible and acoustic waves, prevent sound waves from passing out, and have better noise reduction effect than cast iron pipe. Polypropylene is non-toxic and can be reused many times.

PP超静音管采用两机或三机共挤生产特殊隔音的粘弹性材料作为中间层，可以调整管材的密度和微观结构，吸收可闻及声波，阻止声波传出，降噪效果优于铸铁管。聚丙烯无毒材料，可多次回收利用。



其他特种管材生产线 Other Special Pipe Production Line

PVC double-layer axial hollow wall pipe extrusion line PVC 双层轴向中空壁管挤出生产线

The pipe products produced by the production line have the following characteristics: high strength, unique structure, fast installation and construction, and flexible socket connection; At the same time, it has excellent acid, alkali and corrosion resistance. The products are used for municipal sewage discharge, flood discharge, garden engineering, mine ventilation, etc.

该生产线生产的管材制品特点具有：强度高，结构独特，安装施工快捷，采用柔性承插连接方式；同时具有优良的耐酸、耐碱、耐腐蚀性。产品用于市政排污、泄洪，园林工程、矿井通风等。



Plastic nylon pipe extrusion line 塑料尼龙管挤出生产线

The production linearity is stable and the extrusion efficiency is high. It can be equipped with an on-line outer diameter monitoring system. The common extrusion materials include pa6/pa66/pa11/pa12, etc. it is a kind of synthetic fiber. The surface of the pipe is smooth, easy to bend, and the flow resistance is small. It can work at -40 °C -100 °C; Excellent mechanical properties and wear resistance; The products are widely used in the fields of automobiles, electrical equipment and transportation equipment.

生产线性稳定，挤出效率高，可配备在线外径监测系统，挤出常用材料有PA6/PA66/PA11/PA12等，是一种合成纤维，管材表面光滑，易弯曲，流通阻力小，可以在-40℃-100℃环境下工作；具有优良的机械性能，耐磨损；制品广泛应用于汽车、电气设备、交通器材领域。



PVC double-layer hollow tube production line PVC 双层中空管生产线

PVC-U resin is used as the main raw material, and an additive formulation is added for extrusion molding. The large-diameter double-layer hollow tube is mainly used for underground drainage. This type of pipe is also suitable for outdoor drainage of public buildings, industrial sewage, and buried sewage in municipal and residential communities, and buried non-pressure farmland drainage.

以PVC-U树脂为主要原料，添加助剂配方挤出成型。大口径双层中空管主要用于埋地排水。该类管材也适用于公共建筑室外排水、工业排污，以及市政、住宅小区的埋地排污，埋地无压农田排水。



PVC-O Bi-oriented pipe line PVC-O 双向拉伸管生产线

The line is used for producing Bi-oriented PVC-O water supply pipe. The UPVC pipe produced by extrusion is subjected to the special process of axially and radially stretching the pipe, so that the PVC molecular chain is regularly arranged, thereby obtaining better strength, toughness, fatigue resistance, impact resistance and other properties.

该生产线用于生产双向拉伸PVC-O给水管材，采用挤出生产的UPVC管材在线二次经特殊工艺将管材轴向与径向拉伸后，使得PVC分子链有规律排列，从而获得更好的强度、韧性、抗疲劳、抗冲等性能。



ABS/PP winding core tube extrusion line ABS/PP 卷芯管生产线

ABS/PP etc materials pipe has various sizes, the dimensional accuracy, brightness and wall thickness tolerance of the inner and outer surfaces of the product are very strict. It is used in special fields such as winding cores, handicrafts, and chemical environmental protection equipment parts for winding high-grade film sheets.

采用ABS/PP等塑胶原料生产的多种尺寸规格的管材，对制品内外表面的尺寸精度和光亮程度以及壁厚公差要求非常严格。应用于收卷高档膜材片材的卷芯、工艺品、化工环保设备部件等特殊领域。



SJZ/SJP系列双螺杆挤出机

SJZ/SJP Series Twin-Screw Extruder

SJZ系列锥形双螺杆挤出机 SJZ Series Conical Twin-Screw Extruder

型号 Model	SJZ-55	SJZ-65	SJZ-80	SJZ-80A	SJZ-92	SJZ-95	SJZ-110
螺杆直径 Dia (mm)	55/110	65/132	80/156	80/173	92/188	95/192	110/220
螺杆最高转速 Speed(rpm)	45	45	34.7	37.6	34.7	34.7	40.1
主电机 Motor(kw)	22/30	37	55	75	110	132	160
生产能力 Capacity (kgs/h)	180	380	500	680	800	1000	1350

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.

SJP系列异向平行双螺杆挤出机 SJP Series Parallel Twin-Screw Extruder

型号 Model	SJP75/28	SJP93/31	SJP110/31	SJP120/31	SJP135/31
电机功率 Power (KW)	45	75	110	132	160
螺杆直径 Dia (mm)	75	93	110	120	135
最大转速 Speed (rpm)	45	45	45	45	45
长径比 (L/D)	28:1	31:1	31:1	31:1	31:1
最大产量 Capacity (Kg/h)	320	420	680	850	1100
重量 Weight (Kg)	4100	4700	6500	7500	8400

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.



JWS系列高效节能单螺杆挤出机

JWS Series High Efficiency Single Screw Extruder

普通型号：Normal Type

挤出机型号 Model	螺杆直径 (mm) Diameter of screw	长径比 L/D ratio	传动功率 (KW) Driving power	产量 (HDPE) Output(kg/h)
JWS25/25	25	25:1	1.5	5-10
JWS35/25	35	25:1	4-5.5	10-12
JWS45/33	45	33:1	22/30	100/120
JWS65/33	65	33:1	45/55/75/90	150/200/250/300
JWS75/33	75	33:1	90/110	350/450
JWS90/33	90	33:1	160/185	550/700
JWS120/33	120	33:1	280/315	950/1100
JWS150/33	150	33:1	355/400	1200-1500

新式高效型：High Efficiency Type

挤出机型号 Model	螺杆直径 (mm) Diameter of screw	长径比 L/D ratio	传动功率 (KW) Driving power	产量 (HDPE) Output(kg/h)
JWS-60/40	60	40:1	90	250-400
JWS-75/38	75	38:1	132	500-600
JWS-90/38	90	38:1	250	900-1000
JWS-90/42	90	42:1	315	1000-1200
JWS-120/38	120	38:1	355	1300-1400
JWS-150/38	150	38:1	450	1800-2000



管材挤出模头 Pipe Die Head

Polyolefin Pipe Die Head:

PO die head is designed by Suzhou JWELL Machinery Co.,Ltd for high speed & high output pipe extrusion, which can produce pipe diameter from 16mm to 3000mm, adapting spiral design to make even material arrangement, low head melt temperature, low pressure consumption, reduction of innerstress as well shinning pipe surface. Modularity structure to cause easily disassemble and material change.

聚烯烃管材挤出模头:

苏州金纬的PO模头是专为高速高产量的管材挤出生产线设计的，多种规格可以生产从16-3000mm各种直径的管材；采用物料螺旋分布原理，流道内熔体分布均匀，机头低溶体温度、低压力损耗，生产出的管材内外表面光滑，内应力将至极低。模块化结构，拆卸简单，换料快。



PVC Pipe Die Head:

It is for PVC 20-1000mm pipe production, split-flow frame design, very much suitable for temperature sensitive material. Adapting chrome plating mold steel, special surface hardness treatment, so that die head runner will have good flow. Easily disassembly design will offer quick change and will not affect production.



PVC管材挤出模头:

多种规格的模头可涵盖20-1000mm直径的PVC管材生产；分流梭支架式设计结构，非常适合处理对温度极为敏感的原料。采用特殊处理的铬合金钢材制造，流道表面硬化特殊处理，使整个流道具备良好的物料流动性能。易于拆装的模头设计保证了生产的快速恢复。



真空定径系统/冷却喷淋箱 Vacuum Tank/Spray Cooling Tank

Performance & Advantages:

According to the specifications of the pipes can be selected single room or double room design of the vacuum tank;
SUS304 stainless steel vacuum tank and pipeline with long service life;
Accurate temperature control and water level control;The large capacity of water filters and spare bypass;Centralized water supply and drainage;
Optional PLC frequency conversion precision control of vacuum degree, lower equipment energy consumption and noise;
The sizing sleeve made of high-quality materials such as alloy copper and stainless steel is particularly selected to ensure good heat conduction and a good cooling sizing effect. The inner surface of the sizing sleeve is treated with a chrome-plated special coating that provides high wear resistance and high smoothness. Water film type, disc type, dry type and other structural designs are suitable for high-speed, high-volume extrusion of different raw material pipes.

性能和优点:

根据管材的规格可选定单室或双室设计的定径真空箱；SUS304不锈钢材质的真空箱体和管路，使用寿命长；
精确的水温控制和水位控制；大量的水过滤器和备用旁路；集中供水和排水；
可选配 PLC 管理的变频精确控制真空度，降低设备能耗和噪音；
特别选用铜合金和不锈钢等优质材料制作的定径套，保证良好的热传导，冷却定径效果好。定径套内表面采用镀铬特殊涂层处理，具备高耐磨性和高光滑度。水膜式、碟片式、干式等多种结构设计，适用于不同原料管材的高速、高产量挤出。



高速碟片式定径套
High speed disc type calibrating sleeve



高速水环式定径套
High speed water ring sizing sleeve



大口径管定径套
Large diameter calibrator



主要技术参数 Main Technical Parameters

真空箱规格	VT75	VT160	VT315	VT500	VT710	VT1000	VT1600	VT3000
喷淋箱规格	CT75	CT160	CT315	CT500	CT710	CT1000	CT1600	CT3000
适用管材直径mm	16-75	20-160	63-315	110-500	280-710	400-1000	710-1600	1600-3000

管材高速收卷自动打包一体机

High Speed Tube Winding Automatic Packing Machine

Performance & Advantages: The row pipe is neat and dense; Precise packing position, strong binding force; Algorithm upgrade, convenient operation, safe and efficient.

Optional function block: Automatic wrap film and automatic labeling; Automatic weighing and automatic sampling; Automatic pallet and automatic transmission; Remote diagnosis and electronic bulletin board; Quality traceability and excel print.

性能和优点: 排管规整、密实; 打包位置精准、捆扎力强; 算法升级、操作便捷、安全高效。选配功能块: 自动缠膜, 自动贴标; 自动称重, 自动取样; 自动码垛, 自动输送; 远程诊断, 电子看板; 质量溯源, 报表打印。



主要技术参数 Main Technical Parameters

适用材质 Suitable material	PE、PERT、滴灌管、单壁波纹管等 PE, PERT, drip irrigation pipe, single wall bellows, etc
适用规格 Suitable specification	16-32mm
线速度 Line speed	≥30m/min
打包带材质 Packing tape material	兼容PP/PET塑钢带 Compatible with PP/PET plastic steel belt

管材牵引机

Caterpillar Hall-off Unit

Performance & Advantages: For different pipe diameter and extruder speed requirements, we designed all kinds of the Hall-off unit, have two caterpillars, three caterpillars, four caterpillars, six caterpillars until upto 16 caterpillars. The wide adjustable range for the Hall-off unit, running is stable and reliable, and small noise.

Each caterpillars by a separate asynchronous or servo motor drive, Via digital controller keep the accuracy of the caterpillar speed synchronization. The large capacity compression air cylinder, contact length is overlength between the pipe and the caterpillar, can ensure a high friction tractive force.

based on the switchable control for the 1/2 caterpillar, can switch to each other between the big pipe diameter and small pipe diameter, large scope of working for the Hall-off unit.



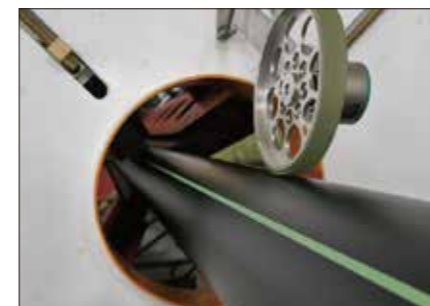
性能和优点: 对于不同直径管材和挤出速度要求, 我们开发了多种牵引机, 有2履带牵引机、3履带牵引机、4履带牵引机、6履带牵引机、直至最多达到16履带。牵引机可调范围宽, 运行稳定可靠、噪音小。

每一履带由单独的异步或者伺服电机驱动, 通过数字控制器保证各履带牵引速度的精确同步; 大容量的压紧气缸, 以及管材和履带之间超长的接触长度, 能保证很高的摩擦牵引力。

通过对1/2履带的可切换控制, 可以在直径很大和较小的管材之间互相切换, 牵引机工作范围大。

主要技术参数 Main Technical Parameters

型号 Model	生产管材规格 Pipe Spec (mm)	牵引履带数量 Caterpillar No.	电机功率 Motor Power(kw)	牵引力 Haul Off Force(KN.m)
QY-2E	Ø16 ~ Ø125	2	1.5 × 2	2.2
QY-3E	Ø50 ~ Ø160	3	1.1 × 3	3.6
QY-4E	Ø75 ~ Ø315	4	1.1 × 4	4.5
QY-6E	Ø160 ~ Ø800	6	0.55 × 6	8
QY-8-16E	Ø355 ~ Ø3000	8-16	0.23 × 12-16	12-30



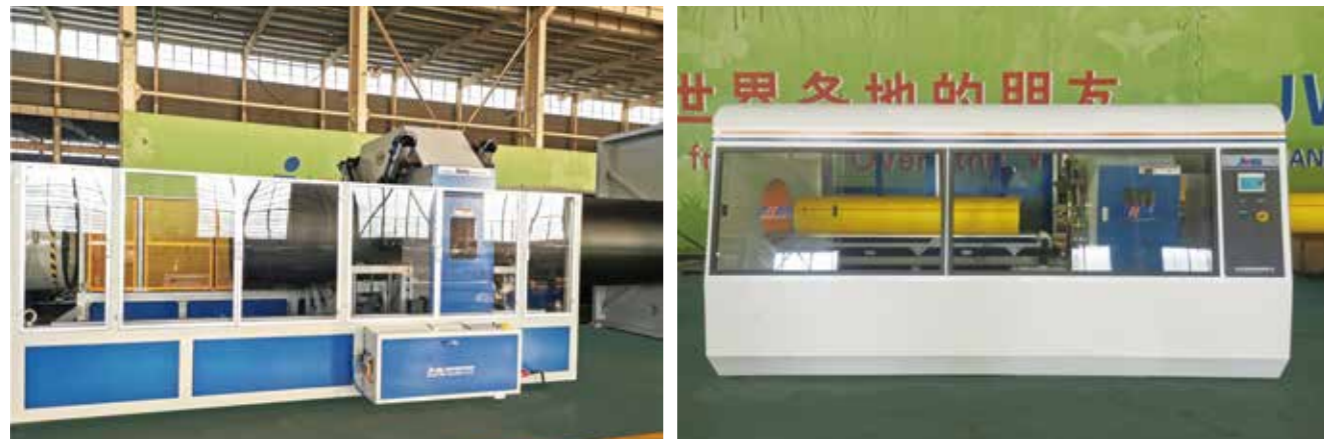
管材无屑切割机 Pipe Chipless Cutter

Performance & Advantages: Suitable for length cutting HDPE, PP, PPR and other plastic pipe. No-dust cutting keep the producing environment clean and no noise. Cutting surface smoothly and tidy, improve the appearance quality of the pipe. 50mm-630mm pipe can used rotate clamp, automatic stepless adjustment without having to change the clamps.

- Sharp knife no-dust cutting machine: non-conductive carbon brush structure; easy maintenance; low failure rate, suitable for large diameter pipes cutting;
- Round knife no-dust cutting machine: hydraulic feed, cutting surface more smoothly and tidy; suitable for high speed no-dust cutting of Medium and small diameter pipe production line;
- Flying cutting machine; used for high speed small diameter pipe cutting, tool cutting by directly mounted on the servo motor; servo position control, fast and efficient, nice incision;
- Cutting Machine for corrugated pipe: precision control corrugated pipe length and cutting. With double blade cutting, cutting position is accurate. Automatic synchronization can be controlled, also can be manipulated; Solve large-diameter corrugated pipe cutting problem.

性能和优点: 适用于HDPE、PP、PPR等多种塑料管材的定长切割。无屑切割可以保持生产环境清洁、无噪音。切口光滑整齐，提高了管材的外观质量。50-630mm管材可以选用旋转夹具，可自动无级调节，无需更换夹具。

- 尖刀无屑切割机：无导电碳刷结构，维护方便 故障率低，适用于大口径管材的无屑切割；
- 圆刀无屑切割机：液压进刀，切口更加平整光滑，适用于中小口径管材生产线的高速无屑切割；
- 飞刀切割机：用于小口径管材高速切割，由直接安装在伺服电机上的刀具切割，伺服定位控制，高效快速，切口美观；
- 波纹管专用切割机：精准控制波纹管计米、切割。采用双刀切割，切割位置准确。既可以全自动同步控制，也可以单独操控，解决了大口径波纹管切割难题；



主要技术参数 Main Technical Parameters

设备型号 Model	GFQD32	GFQD75	GFQD160	GFQD315	GFQD630	GFQD1000	GFQD1600	GFQD1600
切割管材直径 Diameter(mm)	12-32	16-75	20-160	50-315	160-630	400-1000	400-1600	1600-3000
切割管材厚度 Thickness(mm)	3.5	11	20	35	70	120	155	155
最高切割频率 Max Cutting frequency(1/min)	60	6	5	2	2	0.5	0.5	0.2
最高切割速度 Max Cutting Speed(m/min)	30	25	15	8	1.5	0.5	0.3	0.1
备注 Note	飞刀切割 Flying cutting machine	圆刀无屑切割 Round knife no-dust cutting machine	尖刀、圆刀无屑切割 Sharp、Round knife no-dust cutting machine 波纹管无屑切割 Cutting machine for corrugated pipe					

锯片式行星切割机 Planetary Saw Cutting Machine

Performance & Advantages: The equipment running stably and reliably, adopt high-speed rotating saw, Circular Saw blade cut the pipe. Suitable for extra thick large-diameter pipe; Cemented carbide cutting blades, high wear resistance and long service life; Powerful suction chips Dust removal used ionic wind, equipped with dust filters collection device.

In view of the large diameter PVC pipe is equipped with a dedicated chamfering cutter, tungsten carbide blade, sharp and durable; The internal structure of advanced design, make the PVC pipe cutter surface smooth and tidy, chamfer Angle and uniformity nice.

For small diameter PVC pipe, we had a special high-speed cutting machine dust-free. Ribbon cuttings avoid the pollution of dust on the work shop.

性能和优点: 该设备运行稳定可靠，采用高速旋转的锯片，圆周锯切断管材。适合超厚的大口径管材；

硬质合金切割锯片，高耐磨使用寿命长；

强力吸屑 离子风除尘，配有锯屑过滤收集装置；

针对大口径PVC管材配有专用倒角刀具，硬质合金刀锋，锋利耐用；

先进的内部结构设计，使PVC管材的切口平整倒角的角度和均匀度美观；

对于小口径的PVC管材，我们有特殊的高速无尘切割机。带状的切屑避免了粉尘对车间的污染影响。

主要技术参数 Main Technical Parameters

设备型号 Model	GFQJ160	GFQJ315	GFQJ450	GFQJ630	GFQJ1200	GFQJ1600	GFQJ3000
切割管材直径 Diameter(mm)	20-160	50-315	110-450	200-630	400-1200	400-1600	1600-3000
切割管材厚度 Thickness(mm)	20	35	50	70	155	155	155
最高切割频率 Max cutting frequency(1/min)	4	3	2	2	0.5	0.5	0.2
最高切割速度 Max cutting speed(m/min)	20	8	3.5	1.5	0.8	0.8	0.1
备注 Note	无尘切割带倒 Dust-free cutting with chamfer	适用于切割PVC管材，可带倒角功能 Suitable for cutting PVC pipe, with chamfer function			大口径实壁管切割 Large diameter solid wall pipe sawing		



PVC双螺杆造粒挤出生产线 PVC Twin Screw Extruder Pelletizing Extrusion Machine

Performance & Advantages: 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 materials with wood powder or other additives. The pellets produced by this machine is evenly, solid, elegance. The pelletizing downstream equipment is the die face cutter, air transferring unit, vibration separating and cooling unit. This pelletizing downstream equipment has the features of high automation and high production efficiency.

性能和优点: 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, 主要适用与PVC、PE类粉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。



主要技术参数 Main Technical Parameters

主机型号 Model	螺杆规格 Specifications (mm)	主电机功率 Power of main motor(Kw)	产量 Output (kg/h)
异向锥双SJZ65	65/132	37	300-350
同向锥双SJZ-T67	67/134	45	500-600
异向锥双SJZ80	80/156	55	450-500
异向锥双SJZ92	92/188	110	750-800
异向平双SJP120	120/26	110	800-900
异向平双SJP135	135/31	160	1000-1300

管材撕碎回收机组 Pipe Crusher and Shredder Unit

Performance & Advantages: JWSSG shredder is able to shred the PE, PP, PVC pipe with dia.1200mm, the length of 3-6m pipe can be shredded directly without cutting, and the rotary speed is slow and stable. Variety of pipes is put into the flat feeding tank, and the tanks closed automatically, and push the pipe by hydraulic into the center axis for shredding. The material after crushing is transported by conveyor belt for secondary crushing in order to get the requested granule. JWSSG shredder has the main advantage of energy saving safe and efficient, and the system is controlled by PLC center control system.

性能和优点: JWSSG系列撕碎机组可用于直径1200MM的PE,PP,PVC管材撕碎, 长度达3-6M的管材直接破碎, 无需分割, 其转速缓慢运转平稳, 各种管材放入水平的喂料槽中, 喂料槽自动关闭由液压推进将管材推向轴中心进行破碎。撕碎后的材料通过输送机带入破碎机进行二次破碎完成需要的破碎颗粒直径。

JWSSG系列撕碎系统最主要的优势在于节省大量的分割人工及锯口浪费, 节能降耗, 安全高效, 整个系统由PLC中心控制系统控制。



主要技术参数 Main Technical Parameters

型号 Model	喂料口(mm) Feed dia.	动刀回转直径(mm) Rotor blade swing diameter	转速(rpm) Rotor speed	驱动功率(kw) Drive power	撕碎管材最大口径(mm) Max.shredable pipe	推料器功率(kw) Mechanical pusher power	产量 Output (kg/h)
JWSSG-630	750 × 790	Φ 848	39	2 × 30	630	11	800-1000
JWSSG-800	950 × 950	Φ 1028	33	2 × 37	800	11	1000-1200
JWSSG-1000	1140 × 1160	Φ 1258	27	2 × 45	1000	15	1200-1500
JWSSG-1200	1340 × 1360	Φ 1478	23	2 × 55	1200	15	1500-2000

其他管材设备配套部件 Other Pipe Line Assisting Parts



Screw&Barrel 螺杆机筒

Founded in 1978, JHL is China's best screw brand. 40 years of professional experience in the production of screw barrels and processes is an effective guarantee of product quality. Single-screw, twin-screw barrels and special customized designs are available. 金海螺品牌始创于1978年，40年的螺杆机筒专业制造经验和历程，是产品质量的有效保障。可以提供单螺杆、双螺杆 机筒和客户特殊定制。



Online pipe weight metering & monitoring system 管材米重在线测控系统

Gravity metering equipment is used in the extrusion process, which can save raw material consumption to the greatest extent and reduce boot waste. The control accuracy is less than $\pm 0.3\%$. 挤出工艺时采用重力计量设备，可最大程度节约原料消耗，减少开机废品，控制精度低于 $\pm 0.3\%$ 。



Pipe socketing machine 管材扩口机

The machine can be used for the belling of PVC/PP solid wall pipe, double-wall corrugated pipe. The belling mould adopts hydraulic driving. The range is $\Phi 20 - \Phi 1000$. 该扩口系统采用欧洲先进技术，用于PVC/PP实壁管和双壁波纹管，扩口形式有：矩形扩口和U型、R型扩口。主要生产范围为 $\Phi 20 - \Phi 1000$ 。



JWHL series mixers 混料机组

JWHL series mixing unit adopts PLC control. It is mainly applied to the process of ingredients, mixing, coloring, drying and devolatilization of various resins such as polyvinyl chloride. JWHL系列混料机组采用PLC控制，主要适用于各种树脂如聚氯乙烯等的配料、混合、着色、干燥，脱挥等工艺。



Crusher 破碎机

Shredding scraps during the production of reclaimed pipes and unconventional products produced during trial production. There are crushers with different uses and specifications to choose from. 破碎回收管材生产过程中的机头废料和试生产中产生的非常规制品。有不同用途和规格的破碎机可供选择。

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基于MES系统平台，实现车间生产管理的信息沟通平台，并向智能化方向发展。
Based on the MES system platform, the information communication platform of workshop production management is realized and move toward the intelligent direction



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