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PIPE EXTRUSION MACHINERY



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



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

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

8+ 个制造基地 Manufacture Bases
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

Changzhou JWELL Machinery

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

2025

连续15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 15 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。位于苏州市太仓市区工业园，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。26+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。



金纬机械作为中国优秀塑机品牌，出口印度、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 26+ 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 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。

“诚实待人”

是我们铸就“百年金纬”的核心理念。

董事长：何海潮

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"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"

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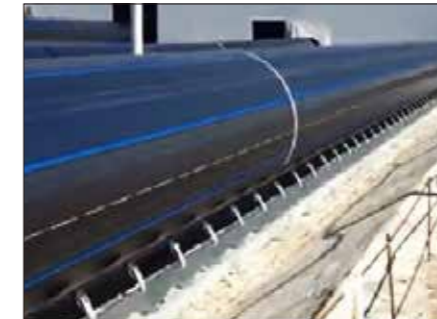
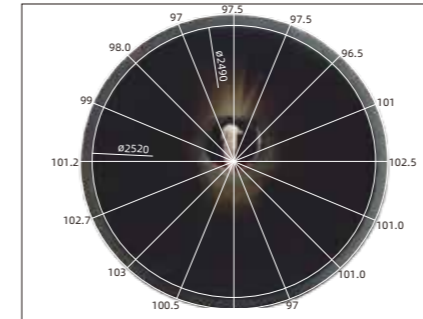


大口径HDPE实壁管挤出生产线

Large Diameter HDPE Solid Wall Pipe Extrusion 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)
JWG-800	400-800	JWS 90/42	315	1100-1200
JWG-1000	450-1000	JWS 120/38	355	1200-1400
JWG-1200	630-1200	JWS 120 /38	400	1500-1600
JWG-1600	800-1600	JWS 90/42+ JWS90/42	315*2	2000-2200
JWG-3000	2000-3000	JWS 120/38+JWS120/38	400*2	2600-2800

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.

聚烯烃类高速节能型实壁管生产线

High-speed Energy-Saving Polyolefin 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.

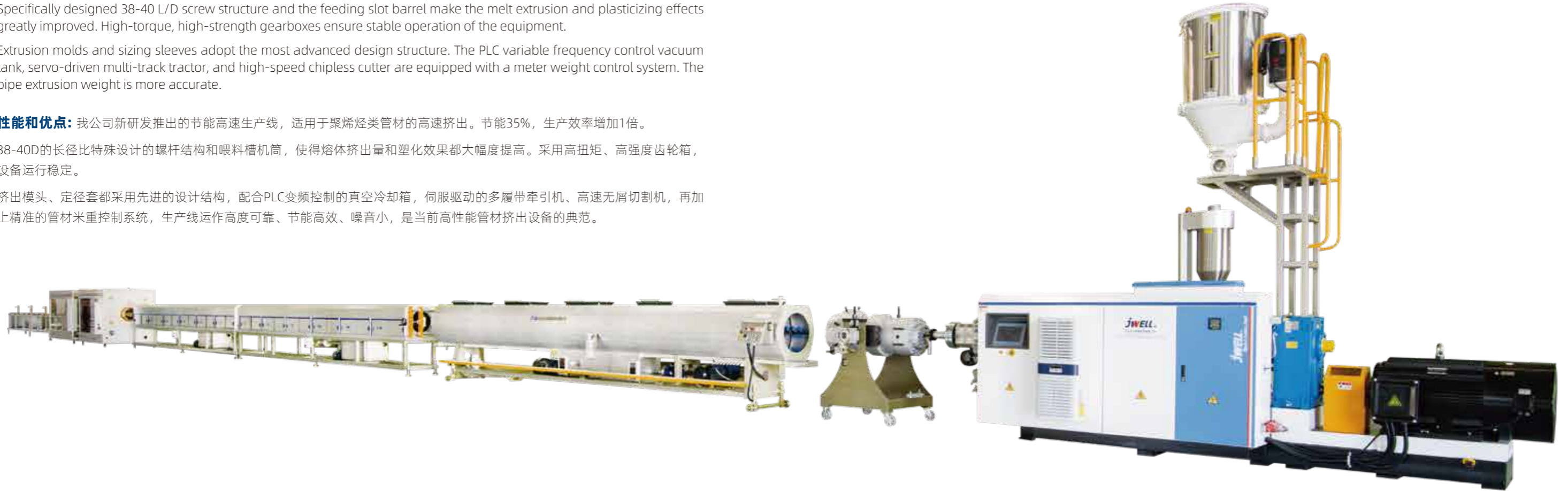
Specifically designed 38-40 L/D screw structure and the feeding slot barrel make the melt extrusion and plasticizing effects greatly improved. High-torque, high-strength gearboxes ensure stable operation of the equipment.

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)
JWG63	Φ16-Φ63	JWS 60/40	90	400
JWG110	Φ20-Φ110	JWS 60/40	110	450
JWG160	Φ50-Φ160	JWS75/38	132	500
JWG250	Φ75-Φ250	JWS75/38	132	550
JWG315	Φ110-Φ315	JWS 75/38	160	650
JWG450	Φ160-Φ450	JWS90/38	250	950
JWG630	Φ315-Φ630	JWS90/38	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.

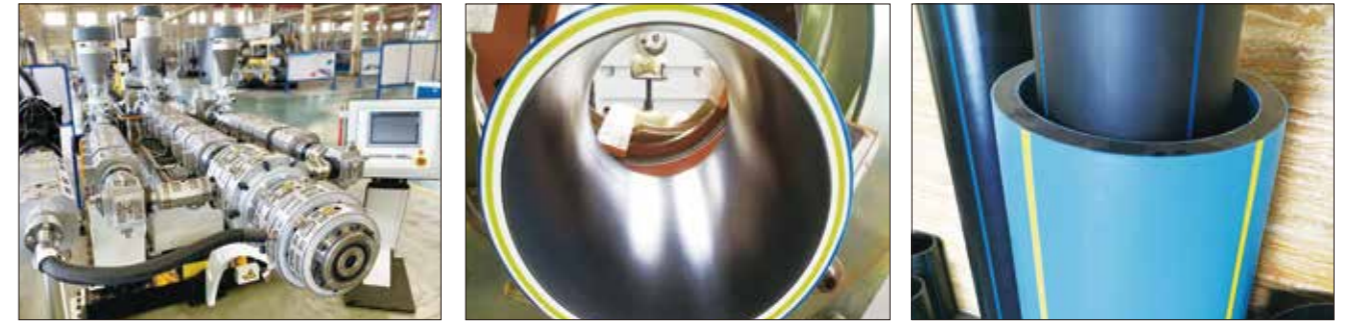
Multiple extruders can be synchronized, and multiple meter weight control system can be selected. can be centralize controlled in a main PLC to achieve precise and quantitative extrusion of each extruder.

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	Φ16-63	JWS65/33+45/25	55+15	170-220
JWPEG-110	Φ20-110	JWS65/33+45/33	75+22	250-300
JWPEG-160	Φ50-160	JWS60/40+45/33	90+22	400-500
JWPEG-250	Φ75-250	JWS60/40+45/33	110+22	450-510
JWPEG-315	Φ110-315	JWS75/38+45/33	132+30	550-610
JWPEG-450	Φ160-450	JWS75/38+65/33	160+55	740-810
JWPEG-630	Φ315-630	JWS90/38+65/33	250+75	1200-1240

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小口径PE/PPR/PE-RT/PA单管、双管高速挤出生产线

Small-diameter PE/PPR/PE-RT/PA Single-pipe, Dual-pipe
High-speed Extrusion 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, 生产线能够成倍地提高产量, 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	Φ20 ~ Φ75	JWS-H 60/40	110	380 ~ 420
		JWS 65/33	90	350 ~ 400
PPR 75	Φ20 ~ Φ75	JWS-H 60/40	75	200 ~ 240
		JWS 65/33	110	300 ~ 340
PE/PERT 32	Φ16 ~ Φ32	JWS-H 60/40	90	280 ~ 320
		JWS 65/33	110	380 ~ 420
			90	350 ~ 400



通讯用硅芯管材生产线

HDPE And Silicon Micro Duct 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, 铁路等的光电缆通信网络系统。

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。



主要技术参数 Main Technical Parameters

机型 Model	芯管规格 Duct pipe(mm)	最大线速度 Maxim production speed(m/min)
JWS65/33 + JWS45/33	7-20	120
JWS75/38+JWS65/33	110-250	6

连续性缠绕增强热塑性塑料管道生产线

RTP Reinforced Pipe Extrusion Line

Performance and Advantage: Reinforced thermoplastic pipe (RTP) is divided into three main layers: a polymer liner, a reinforcement layer and an outer sheath layer. The reinforcement layer is made of aramid fiber, polyester fiber, etc. The inner and outer layers and the middle layer are independent of each other.

性能与优点: 增强热塑性塑料管(RTP)管主要分为三层结构: 聚合物内衬层, 增强层和外护套层。增强层采用芳纶纤维, 聚酯纤维等, 内外层和中间层相互独立。

依据不同种类的增强材料, RTP管可以分为下面几类

There are several kinds of RTP pipe based on different kinds of reinforced material

聚酯纤维带增强RTP管

Polyester tape reinforced RTP pipe



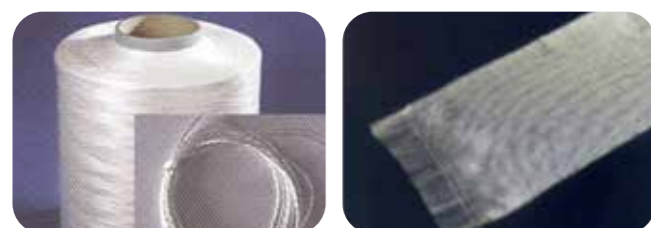
芳纶(尼龙)纤维带增强RTP管

Aramid (nylon) fiber tape reinforced RTP pipe



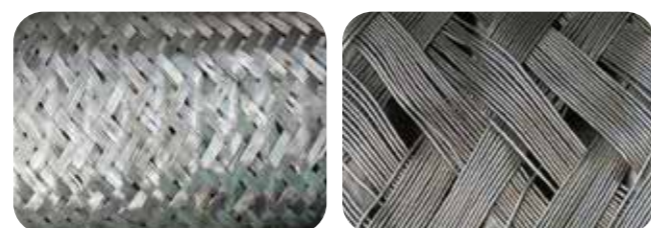
玻璃纤维带增强RTP管

Glass fiber tape reinforced RTP pipe



钢丝绳覆塑带增强RTP管

steel wire rope covered with plastic tape reinforced rtp pipe



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	最大挤出量 Output(kg/h)	总装机功率 Power(kW)
JWG-RTP-160	63-160	JWS60/40	120-300	160
JWG-RTP-250	75-250	JWS75/38	300-500	210
JWG-RTP-315	110-315	JWS75/38	400-600	238

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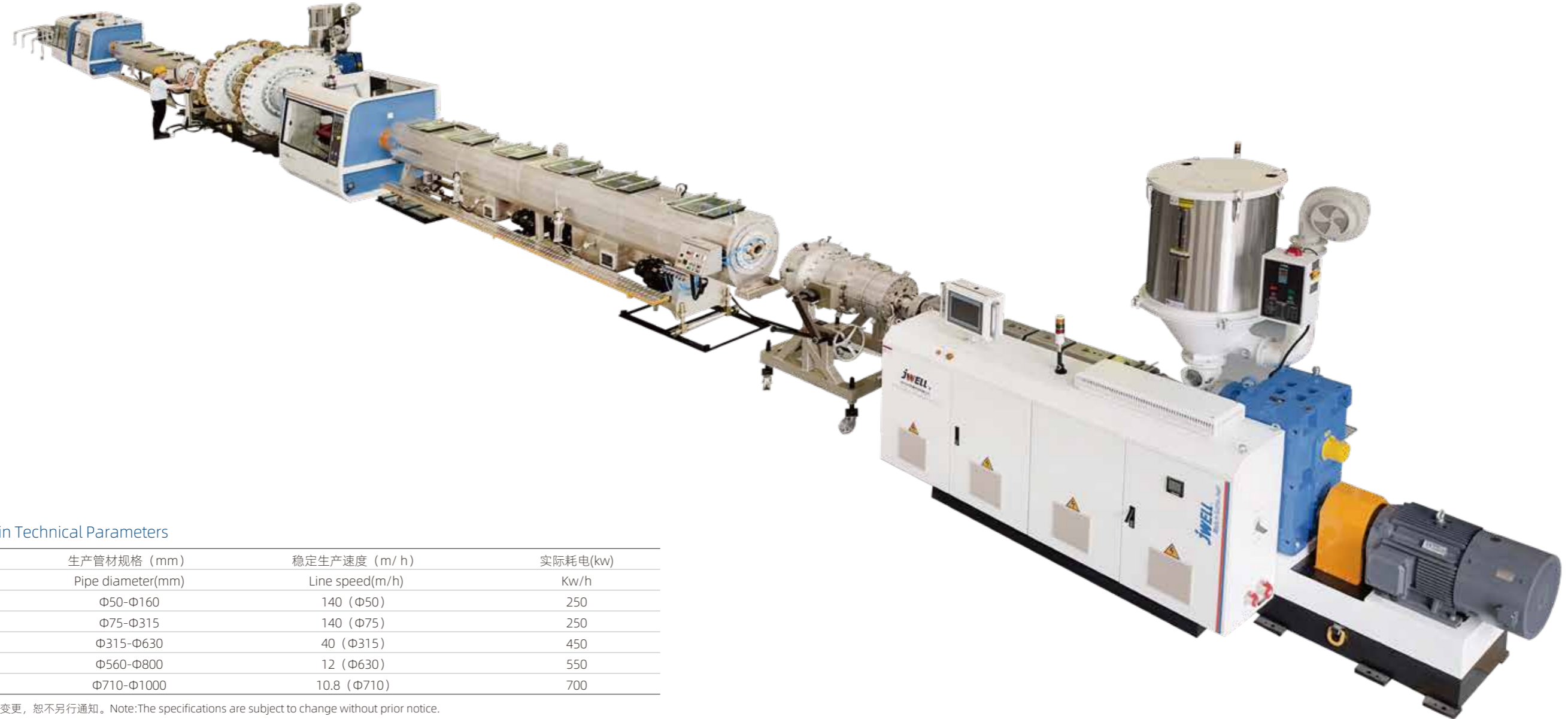
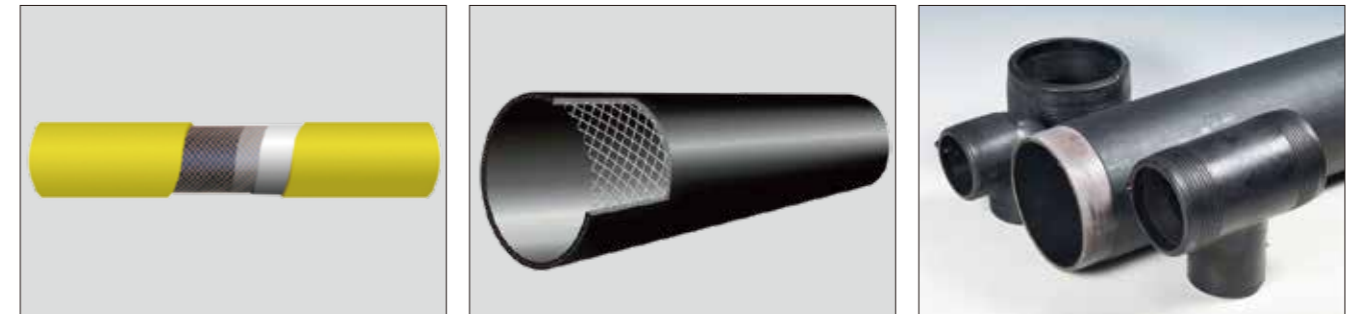


钢丝网骨架增强塑料复合管材生产线

Steel Wire Reinforced Composite Pipe Production Line

苏州金纬机械全新推出高速钢丝网骨架增强塑料复合管材生产线，具有高效、高速、节能等特点，生产线速度比传统钢丝网骨架复合管生产线提高近30%；生产线也可生产符合国标的给水、燃气用纯聚乙烯管材，及与管材配套的直通管件，降低了整个项目工程的成本。钢丝网骨架增强塑料复合管材直径范围为50mm-1000mm，用料省，比同规格同压力等级的纯PE管成本低30-40%，管材工作压力高（ $\geq 3.0\text{MPa}$ ）。

Suzhou JWELL Machinery has developed a new high-speed steel wire reinforced composite pipe production line, which is characterized by high efficiency, high speed, and energy saving. The production line speed is nearly 30% faster than traditional lines; The same line could also produce pure polyethylene pipes for water supply and gas that meet national standards, as well as straight pipe fittings that match the pipes, reducing the cost of the entire project. The pipe diameter is 50mm-1000mm, which saves materials and reduces the cost by 30-40% compared to pure PE pipes of the same specification and pressure grade. The working pressure of the pipes is high ($\geq 3.0\text{MPa}$).



主要技术参数 Main Technical Parameters

机型 Model	生产管材规格 (mm) Pipe diameter(mm)	稳定生产速度 (m/h) Line speed(m/h)	实际耗电(kw) Kw/h
GS/PE-160G	Φ50-Φ160	140 (Φ50)	250
GS/PE-315G	Φ75-Φ315	140 (Φ75)	250
GS/PE-630	Φ315-Φ630	40 (Φ315)	450
GS/PE-800	Φ560-Φ800	12 (Φ630)	550
GS/PE-1000	Φ710-Φ1000	10.8 (Φ710)	700

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ABS/PE 卷芯管生产线

ABS/PE Core Pipe Extrusion Line

优良的力学性能 Excellent mechanical properties

冲击强度高，可以在-20℃~+70℃的温度下使用，稳定性好，遇水冷却快，可快速定型具有耐油性，抗内压强度高，坚实而有韧性。

Good impact strength, Can be used at -20°C ~ +70°C. Good stability, Fast water cooling, fast shaping and oil resistance. High internal compressive strength, Strong and resilient.

优良的材料性能 Excellent material properties

抗冲击能力强，同等规格厚度的制品承受外力撞击时，其材质不破裂，大约是PVC管的5倍以上。重量轻，同等规格厚度的制品，重量约为PVC的80%。

Strong impact resistance, the same thickness of products under external impact, the material does not break, about 5 times more than PVC pipe. Light weight, The same thickness of the product, the weight is about 80% of PVC.

优良的环保性能 Excellent environmental protection performance

无毒无污染，不含金属稳定剂，不会有重金属渗出污染。

Non-toxic and pollution-free. No metal stabilizer, no heavy metal seepage pollution.

优良的耐腐蚀性能 Excellent corrosion resistance

耐腐蚀性、耐酸性、耐碱性、耐磨性，起输送腐蚀性介质，适用于水处理及环保系统。

Corrosion resistance, Acid and alkaline resistance, Wear resistance, Transport corrosive media, suitable for water treatment and environmental protection systems.



主要技术参数 Main Technical Parameters

机型	管材内径规格	挤出量
Model	Pipe I.D(mm)	Output(kg/h)
JWS90/38	75-153	120-150
JWS120/38	144-370	350-450

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.

保温管生产线

PE Insulation Pipe Extrusion Line

Performance and Advantage: 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.

性能与优点: PE保温管也叫PE外护管, 夹克管, 套袖管。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



喷涂缠绕预制直埋保温管生产线

Continuous Type Heat Insulation Pipe Line



设备特点 Features

- ◎The whole line of steel pipes can be derusted online.
- ◎The overall spraying uniformly reduces the water absorption rate of the insulation layer.
- ◎The wall thickness of the adjustable sheet can save the cost of the product, and realize the continuous production and improve the production efficiency.
- ◎The production of winding method improves the mechanical properties of the outer protective tube.
- ◎Improve the closed cell rate of the insulation layer, reduce the thermal conductivity of the insulation layer, and reduce energy consumption.
- ◎整条线钢管可在线除锈。
- ◎整体喷涂均匀降低了保温层的吸水率。
- ◎可调节片材的壁厚节省制品成本, 实现了连续生产提高生产效率。
- ◎缠绕方式生产提高了外护管的力学性能。
- ◎提高了保温层闭孔率, 减少保温层导热系数, 减少能耗。



主要技术参数 Main Technical Parameters

机型	管径范围 mm	挤出机型号	最大产量 KG/h
Model	Pipe range	Extruder model	Max.capacity
JWG-CRBW1620	300-1680	JWS120/38+JWS120/38	1000-2000

PVC-O管道生产线

PVC-O Pipe Extrusion Line

Biaxially oriented polyvinyl chloride (PVC-O) pipes are manufactured through a special orientation processing process, which involves axial and radial stretching of PVC-U pipes produced by extrusion. The PVC long chain molecules in the pipes are arranged in a regular manner in the biaxial direction, resulting in a new type of PVC pipe with high strength, high toughness, high impact resistance, and fatigue resistance. Its performance is far superior to ordinary PVC-U pipes. The research and development of PVC-O pipes can greatly save raw material resources, reduce costs, improve product performance, and have significant economic and social benefits.

双轴聚向聚氯乙烯(PVC-O)管材是通过特殊的取向加工工艺制造的管材，这一加工工艺是把采用挤出方法生产的PVC-U管材进行轴向拉伸和径向拉伸，使管材中的PVC长链分子在双轴向规整排列，获得高强度、高韧性、高抗冲、抗疲劳的新型PVC管材，性能远优于普通PVC-U管材。研究开发PVC-O管材，可以大大节约原材料资源，降低成本，提高产品性能，具有明显的经济效益和社会效益。



主要技术参数 Main Technical Parameters

口径范围 Caliber range (mm)	挤出机型号 Extruder model	主机电机功率 Main motor power (KW)	实际产量 Output (KG/H)	生产方式 Production method
Φ90-250	SJP78-33	45	300	一步法 One-step process
Φ110-315	SJP93-37	79	450	一步法 One-step process
Φ160-400	SJP93-37	79	500	一步法 One-step process
Φ315-630	SJP114-37	118	800	一步法/两步法 One/two-step process
Φ450-800	SJP114-37	118	900	两步法 Two-step process

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-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.

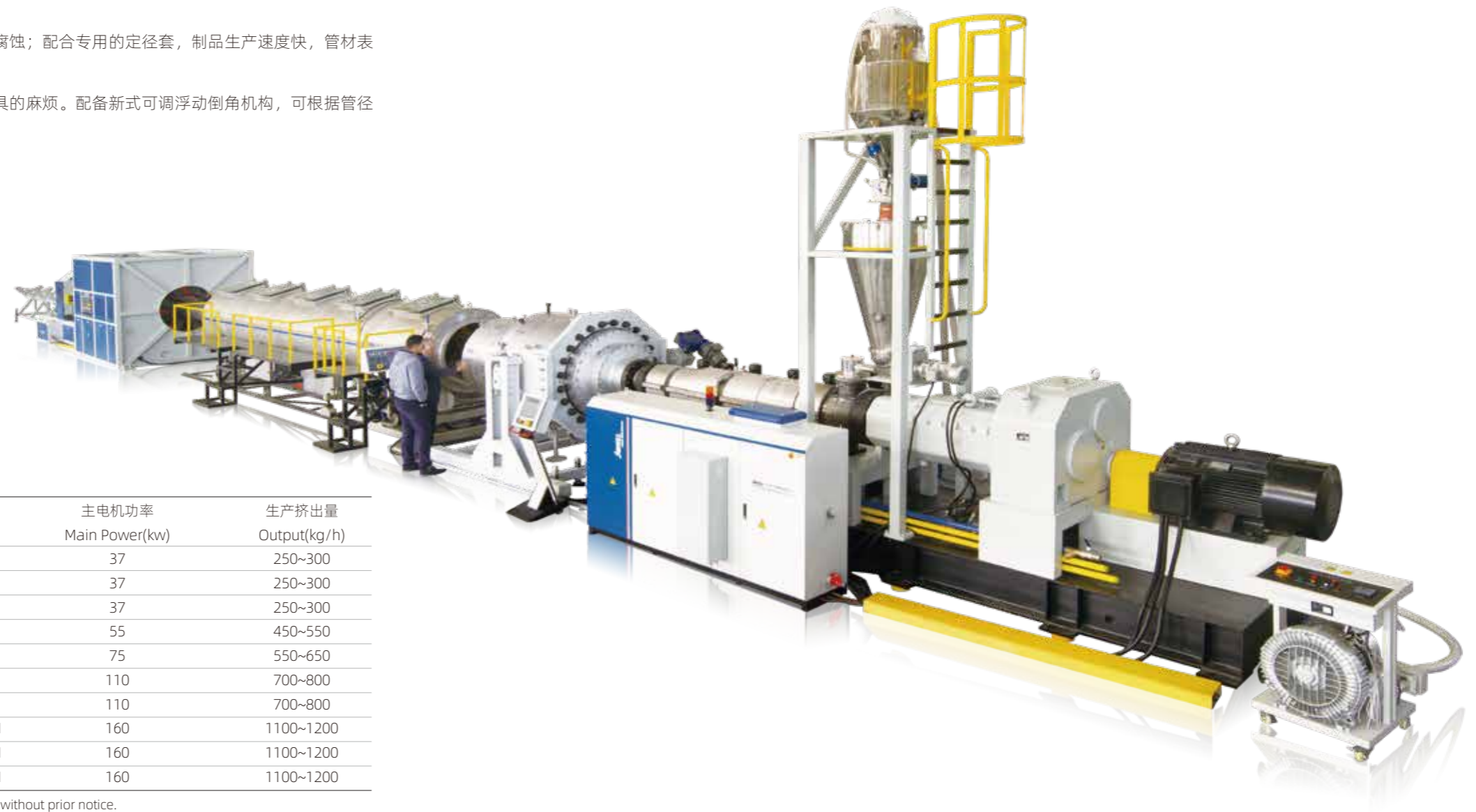
Specially designed screw structure with uniform plasticization and high output. Extrusion molds made of high quality alloy steel, internal flow channel chrome plating, polishing treatment, wear and corrosion resistance; with a dedicated high-speed sizing sleeve, pipe surface quality is good.

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	250~300
JWG-PVC250	Φ75-Φ250	SJZ80/156	55	450~550
JWG-PVC400	Φ200-Φ400	SJZ80/156	75	550~650
JWG-PVC500	Φ250-Φ500	SJZ92/188	110	700~800
JWG-PVC630	Φ315-Φ630	SJZ92/188	110	700~800
JWG-PVC800	Φ400-Φ800	SJZ110/220 or SJP135/31	160	1100~1200
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 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	Φ75 ~ Φ250	SJZ65/132+55/110	37+22	300~400
JWG-PVC450 Three-layer	Φ200 ~ Φ450	SJZ80/156+65/132	55+37	400~600
JWG-PVC630 Three-layer	Φ315 ~ Φ630	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 双出/四出管材生产线

PVC dual pipe/Four 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)	Φ16~63	SJZ65/132	37	250~300
JWG-PVC110 (双管 Two strand)	Φ50~110	SJZ80/156	55	350~450
JWG-PVC200 (双管 Two strand)	Φ50~200	SJZ92/188	110	700~800
JWG-PVC32 (四管 Four strand)	Φ16-32	SJZ65/132	37	250~300
JWG-PVC32-H (四管 Four strand)	Φ16-32	SJZ65/132	37	250~300

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.

HDPE/PP双壁波纹管生产线

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-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.

卧式单壁/双壁波纹管生产线

Horizontal Type Single Wall/Double Wall Corrugated Pipe Extrusion 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
JWDBW 16-32	45/28	15KW	24m/min
JWDBW 16-50	65/28	30KW	20m/min
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.

管材高速收卷自动打包一体机

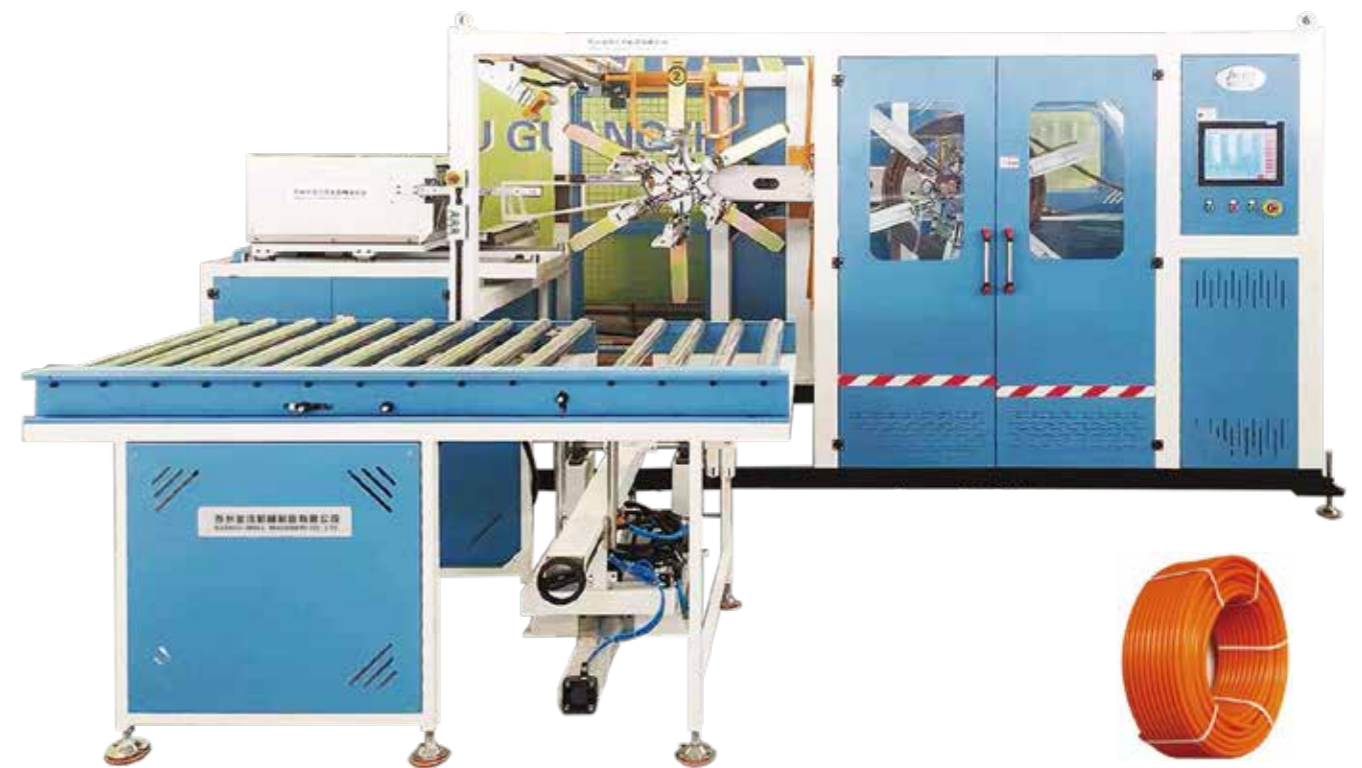
High Speed Tube Winding Automatic Packing Machine

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

医疗管生产线

Medical Tube Production Line

This series of equipment consists of single screw extruder, extrusion die, vacuum calibrated cooling tank, belt type haul-off unit and servo cutter. Equipment and product contact surface can be made of stainless steel (SUS316) or custom designed to match customer's requirements.

Applicable materials: PVC, TPU and other materials for medical application.

Type of medical tube: central venous catheter, medical PVC hose, multi-cavity tube, infusion tube, dialysis tube, etc.

Outside diameter: 1.5~20mm

Dimensional tolerance of outside diameter: ± 0.01 , ± 0.02 , ± 0.05 mm

Wall thickness: 0.1~3.0mm



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、小皮带牵引、伺服切断机组成，客户可根据需求选配输送机，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。

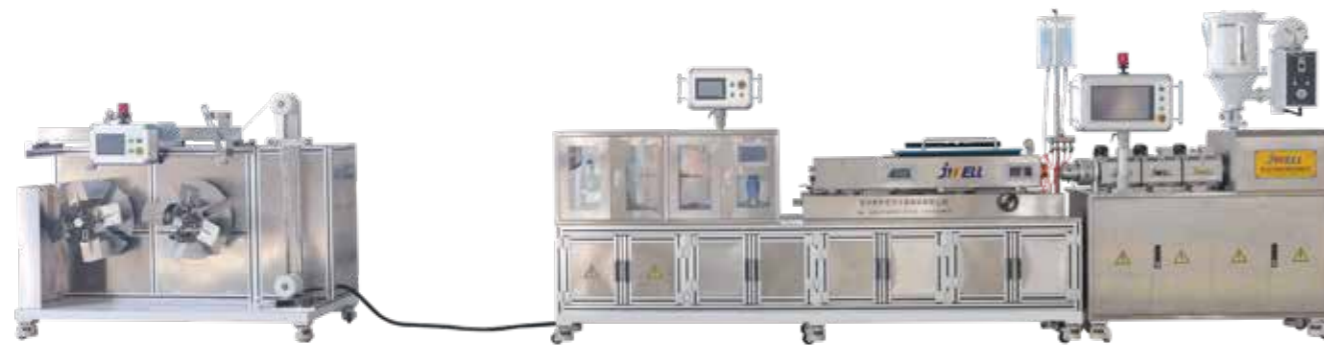
设备采用材料：医用级聚氯乙烯(PVC)；医用级聚氨酯(TPU)；等其他材料。

医疗管类型：中心静脉导管，医用PVC软管，多腔管，输液管，透析管等。

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

设备型号 Equipment model	螺杆直径和长径比 Screw diameter and L/D	产能kg/hr Capacity Kg/hr	占地尺寸(长宽高, 单位mm) Machine size (L/W/H,in mm)
JWS25	25*25D	2~5	L7500*W2000*H1780
JWS45	45*28D	15~25	L9500*W2500*H1780
JWS55	55*28D(30D)	30~55	L10500*W2500*H1780
JWS 65	65*28D(30D)	40~90	L12600*W3000*H1780

3D打印耗材、车用小口径管材挤出生产线

3D Printing Wire/Small Diameter Pipe Extrusion Production Line for Automobile

This type of production line independently designed and developed by Jwell Company is used for processing 3D consumables, automotive pipes, gas pipes, and other products. The high-speed extrusion of pipes or bars made of PE, PP, PA, FPVC, PU, PLA, ABS, TPEE, and other raw materials can be achieved by matching screws&barrels with different structures.

This type of extrusion line has the characteristics of fast production speed, high accuracy, easy operation and maintenance, which is the customer's preferred multifunctional equipment, also minimizing production waste, reducing operating costs, and reducing floor space.

金纬公司自主设计研发的该类生产线用于加工3D耗材，汽车用管，气管等产品。通过配套不同结构的螺杆机筒可满足PE、PP、PA、FPVC、PU、PLA、ABS、TPEE等为原材料的管材或者棒材的高速挤出。

具有生产速度快，精准度高，易操作和方便维修等特点。最小化的生产废料，减小运行成本，减小占地，是客户首选的多功能设备。



主要技术参数 Main Technical Parameters

型号 Model	生产管材直径 Pipe diameter	挤出机 Extruder	最大生产速度 Max Speed	总功率 Total power
JWS-PA-12	3-12mm	JWS45/30	35m/min	40kw
JWS-PA-18	6-18mm	JWS65/30	50m/min	85kw
JWS-PLA-3A	1-3mm	JWS30/28	50m/min	25kw
JWS-PLA-3B	1-3mm	JWS45/30	120m/min	40kw

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	Φ848	39	2×30	630	11	800-1000
JWSSG-800	950×950	Φ1028	33	2×37	800	11	1000-1200
JWSSG-1000	1140×1160	Φ1258	27	2×45	1000	15	1200-1500
JWSSG-1200	1340×1360	Φ1478	23	2×55	1200	15	1500-2000

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

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.



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



螺杆机筒 Screw&Barrel

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.

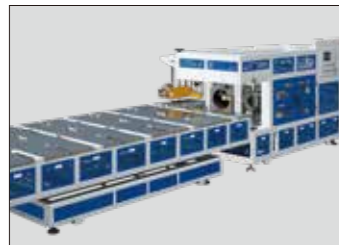
金海螺品牌始创于1978年，40年的螺杆机筒专业制造经验和历程，是产品质量的有效保障。可以提供单螺杆、双螺杆机筒和客户特殊定制。



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

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 $\pm 0.3\%$ 。



管材扩口机 Pipe socketing machine

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 $\Phi 20-\Phi 1000$ 。



混料机组 JWHL series mixers

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。



破碎机 Crusher

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。

挤出机械物联网+智能制造解决方案 Plastic Machinery Fully Integrated Automation + Internet Of Things Control System Solutions

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



企业风采：品质管理 技术研发 国际交流 客户服务 员工培训

Quality Control Technology Research International Communication Customer Service Staff Training



World map showing international presence with labels for: Finland, Russia, Canada, U.K., Germany, Poland, Ukraine, Kazakhstan, Mongolia, France, Italy, Romania, Turkey, Uzbekistan, Chuzhou, Suzhou, Shanghai, Korea, Japan, Spain, Tunisia, Syria, Iran, Guangzhou, Zhoushan, Mexico, U.S.A., Morocco, Libya, Egypt, Saudi Arabia, India, Pakistan, Vietnam, Thailand, Malaysia, Indonesia, Nigeria, Cameroon, Kenya, South Africa, Australia, New Zealand, Colombia, Brazil, Chile, Argentina.

