



北斗星机械

SEVENSTARS MACHINERY



骑士机械

HORSERIDER MACHINERY

www.horserider-plastech.com



PLASTIC EXTRUSION LINE



张家港市北斗星机械有限公司
Zhangjiagang Sevenstars Machinery Co.,Ltd.

张家港市骑士机械有限公司
Zhangjiagang Horserider Machinery Co.,Ltd.

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Company Profile

公司简介

过去的10多年，北斗星抓住了中国塑料机械高速发展带来的历史机遇，坚持以客户为中心，以员工为根本，基于客户需求持续发展，赢得了客户信任和市场，从一家小的公司，初始资本只有10000人民币的小微企业，稳健成长，成为了年销售额近7000万人民币的中型企业。工厂占地26亩，厂房面积近20000平方米，公司90%的设备出口，如今，我们的塑料机械设备已应用于全球100多个国家和地区。

作为张家港发展最快的企业，我们为各最终客户、经销商及国内客户提供有竞争力的设备和服务，帮助客户在投资开发上获得成功。我们坚持聚焦战略，对公司两大领域“塑料挤出设备，塑料回收设备”持续进行研发投入，以客户需求为根本，使公司始终处于行业前沿。

我们积极致力于社会经济的可持续发展，努力保障提升设备的性能，助力最终用户提升效率、降低能耗，推动低碳经济增长。
我们深信：未来将是一个全球化的世界。北斗星与各客户一起，开放合作，努力构建一个更加高效整合的系统，促进行业与行业、企业与企业、中国与全球的全面合作与发展，激发每个行业，每家企业无限机遇与潜能，推动世界进步。

核心价值观

为客户服务是我们存在的唯一理由，客户需求是我们发展的原动力。

我们的价值主张

为适应全球塑料机械日益增长的需求，北斗星围绕客户需求和科技创新，与业界伙伴开放合作，持续为客户创造价值。

Our core values

Customer service is the only reason we exist, customer demand is the driving force behind our development.

Our value proposition

In order to meet the increase demand of globe plastics machinery, Sevenstars according to customer requirement and technological innovation, open cooperation with industry partners, continuing to create value for customers.



Over the past 10 years, Sevenstars seized the historical opportunity of Chinese plastic machinery development. We insisted the customers as the center, employees as foundation, developed gradually base on their requirement and finally, we win the trust and market from them. We started from a small company, initial capital only 10000 RMB and developed to a annual sales of nearly 70 million RMB of medium-sized enterprises. Our factory covers 26 acres, plant area of 20000 square meters and 90% of equipment export. Now, our plastic machinery and equipment has been used in more than 100 countries and regions around the world.

As the develop fastest company in Zhangjiagang city, we provide competitive quotation and service to final customers, agents all over the world, domestic customers and try to help them success in the investment. We insist focusing on the strategic, research and development to our two main products "plastic extrusion machine, plastic recycling machine" and make our company at the forefront of the industry.

We are actively committed to sustainable socio-economic development, efforts to guarantee the performance of lifting equipment, help end users improve efficiency, reduce energy consumption, promote low-carbon economic growth.

We are convinced: the future will be a globalized world. Sevenstars will be with the customer together, open cooperation, and strive to build a more efficient and integrated system, promoting trade and industry, enterprises and enterprises, China's comprehensive cooperation with the global development and inspire each industry, each company limitless opportunity and potential to promote progress in the world.



SJSZ SERIES CONICAL TWIN-SCREW PLASTIC EXTRUDER

SJSZ系列锥形双螺杆塑料挤出机



Features and application

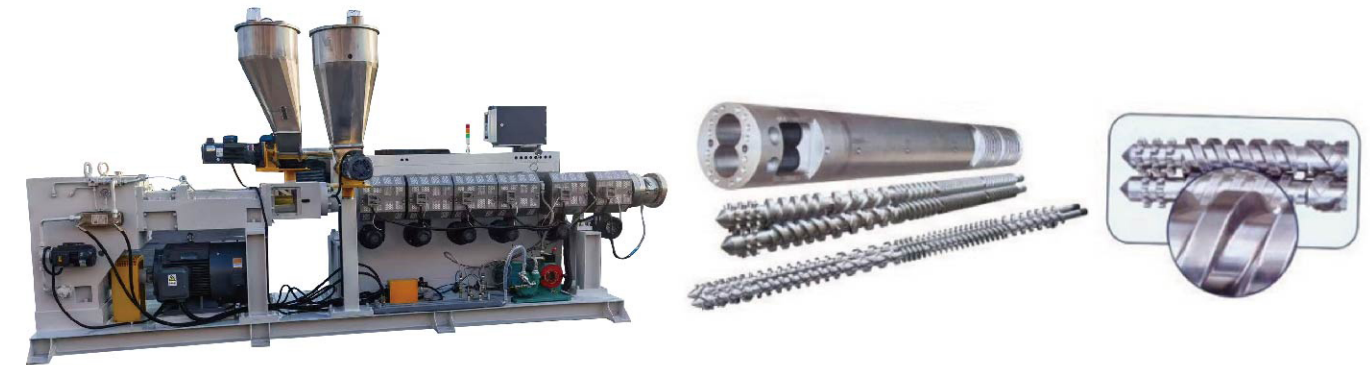
The series extruders with appropriate die-mould and auxiliary machine can directly convert thermoplastic especial PVC powder into pipe, plate sheet, film and profile, and also provide function of modifying and pelletizing. The extruders are derived by A.C motor with a thruster to steepless regulate. It is also equipped with the over-load protection and stoppage alarming system. The screw's core and the outside of barrel is cooled by circulation of oil, it includes vacuum venting and forced feeding.

主要技术参数 Main technical specifications

| 项目 | Item | SJSZ-45/48 | SJSZ-51 | SJSZ-55 | SJSZ-65 | SJSZ-80 | SJSZ-92 |
|-------------|-------------------------------|-------------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| 螺杆直径 | Diameter of screw(mm) | 45/90/118 | 51/105 | 55/120 | 65/132 | 80/156 | 92/188 |
| 螺杆数量 | Number of screw(mm) | 2 | 2 | 2 | 2 | 2 | 2 |
| 螺杆转向 | Direction of screws | 异向向外 Screw rotation direction | | | | | |
| 螺杆转速 | Screw rotation speed(rpm) | 1-45 | 1-45 | 40 | 1-35 | 1-37 | 1-33 |
| 螺杆有效工作长度 | Effective length of screw(mm) | 985 | 1070 | 1200 | 1440 | 1800 | 2500 |
| 主电机功率 | Power of Main engine(kw) | 15 | 18.5 | 22/30 | 37 | 55 | 90 or 110 |
| 机筒加热功率 | Barrel heating power(kw) | 12 | 15 | 18 | 24 | 36 | 86.8 |
| 生产能力 | Production capacity(kg/h) | 120 | 80-150 | 150-180 | 250-300 | 320-400 | 600-800 |
| 机器中心高 | Center height(mm) | 1000 | 1000 | 1000 | 1000 | 1000 | 1200 |
| 净重 | Net weight(kg) | 2800 | 3200 | 3500 | 4000 | 5000 | 8000 |
| 外形尺寸(长X宽X高) | Dimensions(mm)(L*W*H) | 3300 x 1200 x 2100 | 3600 x 1100 x 2100 | 3600 x 1100 x 2100 | 4235 x 1520 x 2450 | 4750 x 1550 x 2460 | 6725 x 1550 x 2841 |

SJP SERIES PARALLEL TWIN SCREW EXTRUDER

SJP系列异向平行双螺杆挤出机



With the new SJP twin screw extruder design, we offer an optimal solution specifically for PVC processing. Looking at the striking advantages. The specially designed screw concept enables every gentle and homogenous plasticizing. Long processing units ensure stable processes and very reliable production in many different applications. You profit from high output and power energy saving, consistently excellent product quality and an outstanding performance ratio-over the whole performance range.

主要技术参数 Main technical specifications:

| 型号 | Model (G2) | SJP75 | SJP90 | SJP93 | SJP107 | SJP110 | SJP120 | SJP130 |
|--------|-------------------------|-------|-------|-------|--------|--------|--------|--------|
| 螺杆直径 | Screw diameter(mm) | 75 | 90 | 93 | 107 | 110 | 120 | 130 |
| 电机功率 | Motor power(kw) | 37 | 55 | 67 | 75 | 90 | 110 | 132 |
| 最大转速 | Max.rotating speed(rmp) | 45 | 45 | 42 | 38 | 38 | 32 | 30 |
| 长径比 | L/D | 26:1 | 26:1 | 28:1 | 26:1 | 28:1 | 26:1 | 26:1 |
| PVC管产量 | PVC pipe output (kg/h) | 350 | 450 | 600 | 800 | 850 | 1100 | 1200 |

UPVC/CPVC PIPE EXTRUSION LINE UPVC供排水/CPVC电力管材挤出生产线

Performance Feature

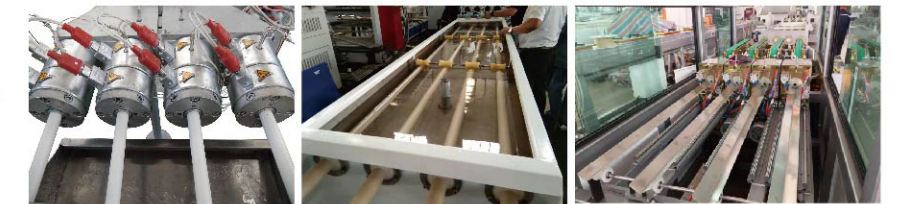
The production line adopts a special screw and mold design, which makes the material easy to form, uniform in plasticization, fast in production, stable in operation and convenient in control and operation. PVC pipe has good mechanical properties, good corrosion resistance, light weight during use, easy installation and no maintenance. It is a good plastic product with low production cost, high strength and corrosion resistance. The application of solid-wall PVC pipes in the field of sewage and drainage is conducive to fundamentally transforming the leakage and product use problems of sewage pipes. The most important part of urban sewage and drainage projects is the urban infrastructure.



DOUBLE CAVITY PVC PIPE EXTRUSION LINE



FOUR CAVITY PVC PIPE EXTRUSION LINE



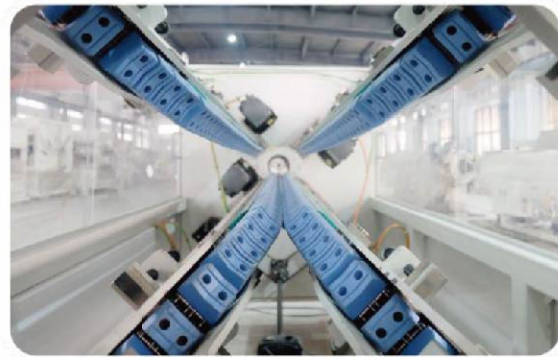
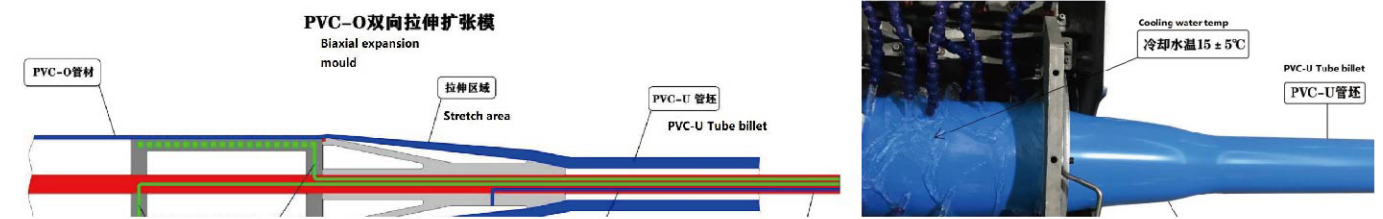
主要技术参数 Main technical specifications

| 型号 Type | 管材直径(mm) Pipe Diameter | 配套节能挤出机 Extruder | 实际最大挤出量(kg/h) Capacity (kg/h) | 总装机功率(KW) Total Power |
|------------------------------|---------------------------|---------------------|------------------------------------|--------------------------|
| SJSZ-PVC32(四出Four outlet) | 20-32 | SJSZ65/132 | 250-300 | 104 |
| SJSZ-PVC63(双出 Double outlet) | 20-63 | SJSZ65/132 | 250-300 | 104 |
| SJSZ-PVC110 | 20-110 | SJSZ65/132 | 200-250 | 70 |
| SJSZ-PVC160 | 63-160 | SJSZ65/132 | 250-300 | 100 |
| SJSZ-PVC250 | 75-250 | SJSZ65/132 | 250-300 | 110 |
| SJSZ-PVC315 | 300-315 | SJSZ80/156 | 300-400 | 180 |
| SJSZ-PVC450 | 200-450 | SJSZ80/173 | 450-500 | 245 |
| SJSZ-PVC630 | 315-630 | SJSZ92/188 | 650-750 | 350 |
| SJSZ-PVC800 | 400-800 | SJSZ95/191 | 800-1000 | 400 |
| SJSZ-PVC1000 | 500-1000 | SJSZ110/220 | 1000-1200 | 480 |
| SJSZ-PVC1200 | 710-1200 | SJSZ135/31 | 1100-1300 | 560 |



PVC-O PIPE EXTRUSION LINE

PVC-O管材挤出生产线



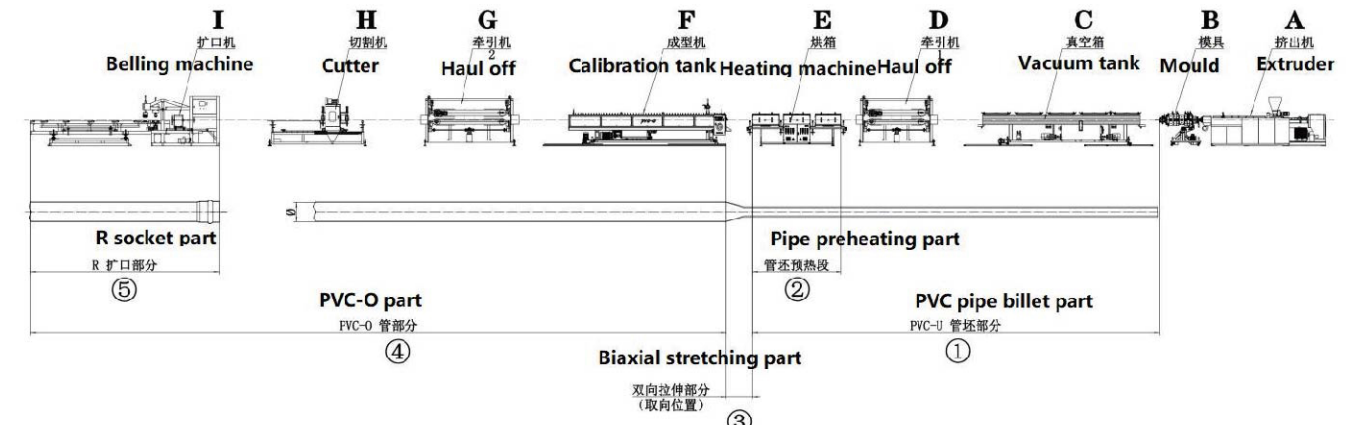
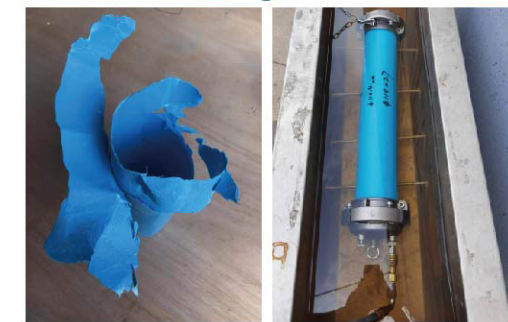
主要技术参数 Main technical specifications

| PN | Class 450 C=1.4 | | Class 450 C=1.6 | | |
|------------------|---------------------------------------|--|--------------------|--------------------|--------------------|
| | 1.0Mpa (Class 400 C=1.6 0.8Mpa) | 1.25Mpa (Class 400 C=1.6 1.0Mpa) | 1.25Mpa | 1.6Mpa | 2.0Mpa |
| Nominal diameter | Wall thickness(mm) | Wall thickness(mm) | Wall thickness(mm) | Wall thickness(mm) | Wall thickness(mm) |
| 110 | 1.8 | 2.2 | 2.4 | 3.1 | 3.8 |
| 125 | 2.0 | 2.5 | 2.8 | 3.5 | 4.3 |
| 140 | 2.2 | 2.8 | 3.1 | 3.9 | 4.8 |
| 160 | 2.5 | 3.2 | 3.5 | 4.4 | 5.5 |
| 180 | 2.8 | 3.6 | 4.0 | 5.0 | 6.2 |
| 200 | 3.2 | 3.9 | 4.4 | 5.5 | 6.9 |
| 225 | 3.5 | 4.4 | 5.0 | 6.2 | 7.7 |
| 250 | 3.9 | 4.9 | 5.5 | 6.9 | 8.6 |
| 280 | 4.4 | 5.5 | 6.2 | 7.7 | 9.6 |
| 315 | 4.9 | 6.2 | 6.9 | 8.7 | 10.8 |
| 355 | 5.6 | 7.0 | 7.8 | 9.8 | 12.2 |
| 400 | 6.3 | 7.9 | 8.8 | 11.0 | 13.7 |
| 140 | 7.0 | 8.8 | 9.9 | 12.4 | 15.4 |
| 500 | 7.8 | 9.8 | 11.0 | 13.7 | 17.1 |
| 560 | 8.8 | 11.0 | 12.3 | 15.7 | 19.2 |
| 630 | 9.9 | 12.3 | 13.8 | 17.3 | 21.6 |

Final PVC-O pipe products photos



The layered state of PVC-O pipe Pressure testing



PVC/PE PIPE BENDING MACHINE PVC PE 弯管机



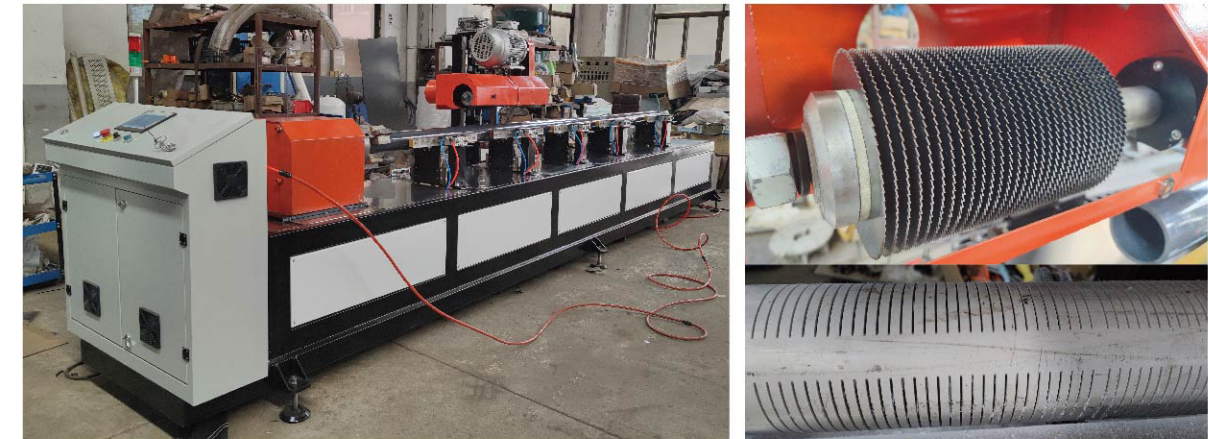
主要技术参数 Main Technical Parameter

| Model | Dimeter Range(mm) | Motor Power(kw) | Transmission mode | Mould Cavity | Speed(pcs/hr) |
|---------|-------------------|-----------------|---------------------|--------------|---------------|
| WG-1032 | ≤32 | 1.1 | Hydraulic/Pneumatic | 1-4 | 200-800 |
| WG-1063 | ≤63 | 1.5 | Hydraulic/Pneumatic | 1-2 | 150-400 |
| WG-1101 | ≤110 | 2.2 | Hydraulic | 1 | 80-200 |
| WG-2501 | ≤250 | 4 | Hydraulic | 1 | 60-80 |
| WG-4001 | ≤400 | 5.5 | Hydraulic | 1 | 30-60 |
| WG-6301 | ≤630 | 7.5 | Hydraulic | 1 | 10-30 |

PIPE THREADING MACHINE 螺纹机



PVC PIPE SLOTTING MACHINE 开槽机



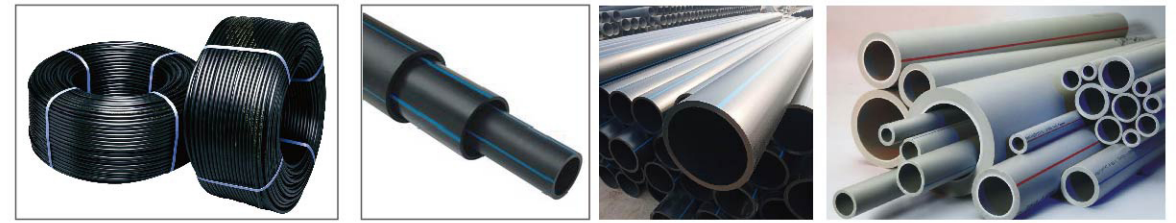
SGK SERIES PVC/PP PIPE FULL AUTOMATIC BELLING MACHINE SGK系列全自动塑料管材扩口机



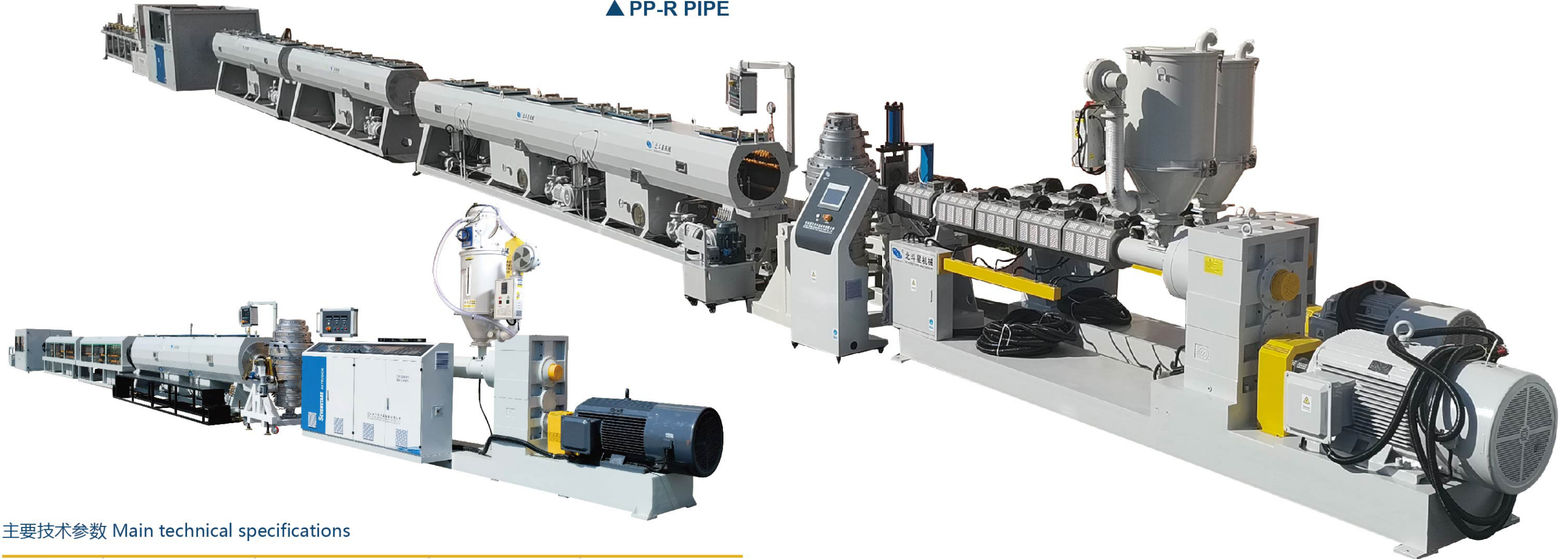
PE/PP-R PIPE PRODUCTION LINE PE/PP-R管材生产线



▲ PP-R PIPE

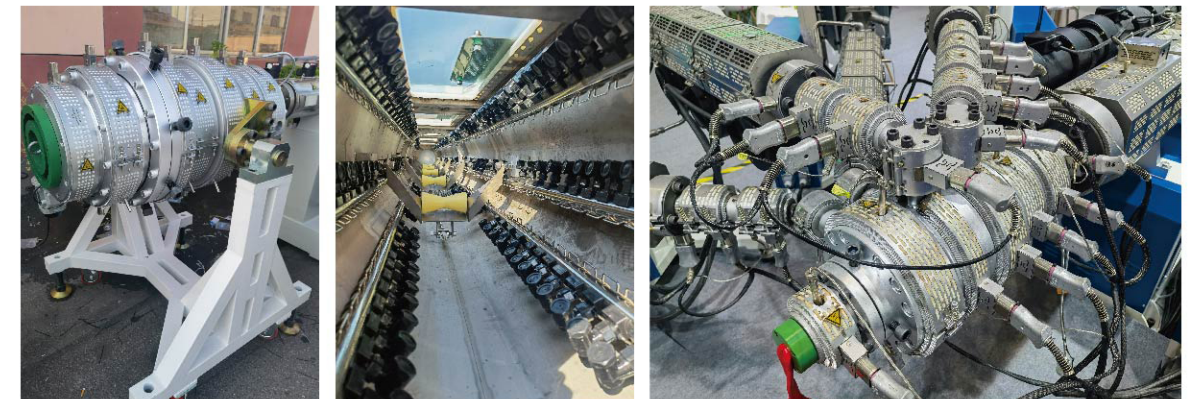


▲ PE PIPE



主要技术参数 Main technical specifications

| 型号 Type | 管材规格 (mm) Pipe Specification | 配套挤出机 Supporting Extruder | 主电机功率 (kw) Motor Power | 挤出量 (kg/h) Extrusion Capacity |
|------------|---------------------------------|------------------------------|---------------------------|----------------------------------|
| PPR/PE-63 | 20-63 | SJ-50/38 | 55 | 200 |
| PPR/PE-110 | 20-110 | SJ-55/38 | 55 | 250 |
| PPR/PE-160 | 20-160 | SJ-60/38 | 75 | 300 |
| PE-200 | 50-200 | SJ-65/38 | 90 | 400 |
| PE-315 | 110-315 | SJ-75/38 | 132 | 550 |
| PE-450 | 315-450 | SJ-75/38 | 160 | 550 |
| PE-630 | 315-630 | SJ-90/38 | 250 | 850-900 |
| PE-1200 | 500-1200 | SJ-120/38+SJ-75/38 | 315+132 | 1300+500 |
| PE-1600 | 800-1600 | SJ-150/38+SJ-90/38 | 355+200 | 1400+700 |



PPR/PERT/PEX BUTT-WELDED COMPOSITE PIPE LINE PPR/PERT/PEX对焊接铝塑复合管挤出生产线

特点:

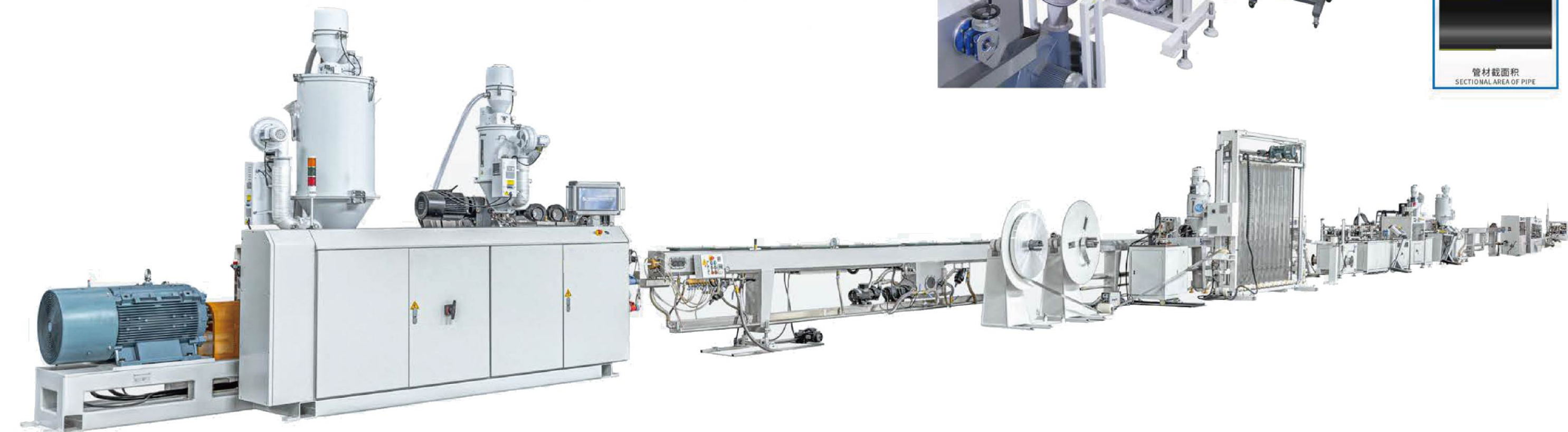
- 主机控制高度集成化, 集成米重、能耗表等
- 高度自动化, SIEMENS PLC控制系统高效集成, 配置全自动收卷机带打包+卸卷装置减少人力成本
- 铝管采用进口对接氩弧/激光焊, 焊缝严密光洁, 焊接质量稳定可靠, 生产连续性强
- 分层精度高, 专业涂覆模具挤出更薄且均匀厚度的胶水, 减少原材料消耗
- 所有通讯都采用以太网连接, 满足工业4.0数据采集要求, 后续可拓展可视化生产和远程监控

Features:

- High integration control, communication integrated gravimetric, energy consumption sheet etc.
- Highly automated, SIEMENS PLC control system with high precision, equipped with fully automatic coiler with stripping and unloading device to reduce labor costs.
- The aluminum pipe adopts imported butt welding argon arc/laser welding, with tight & smooth welds, stable & reliable welding quality and strong productivity.
- High layering accuracy, professional coating die extrude glue thinner and more uniform, reducing consumption of raw material.
- Ethernet connection is adopted for all communications to meet the data acquisition requirements of Industry 4.0, visual production and remote monitoring can be expanded in the future.

主要技术参数 Main technical specifications

| 外径 (mm) Outer diameter | 总壁厚 (mm) Wall thickness | 管内径(mm) Inner diameter | 线速度 (m/min) Line speed |
|---------------------------|----------------------------|---------------------------|---------------------------|
| 16-32 | 2-3 | 12-26 | 8-30 |



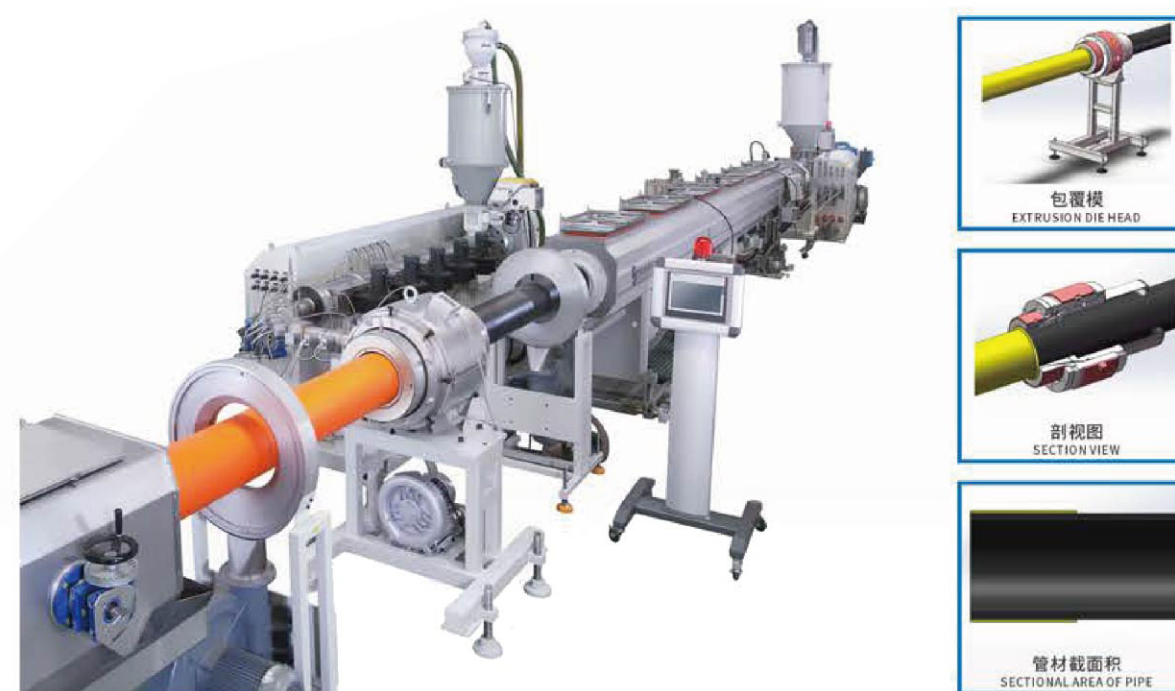
COATING MOLD-SPECIAL FOR SURFACE COATING OF GAS PIPE 包覆模—专业用于燃气管表层包覆

特点:

- 专为免开挖HDPE管设计的专用管材生产线。在标准HDPE管外包覆一层高硬度抗划防护层, 避免在拖拉施工中对管材表面的破坏。即使在恶劣的施工条件下亦不会损坏承压层, 也可对原有普通PE管生产线进行升级改造。

Features:

- The mold is specially designed for excavation-free HDPE pipe, a protective layer with high hardness scratch resistance, is coated outside the standard HDPE pipe to avoid damage of pipe surface. The pressure layer won't be damaged even under abominable construction surroundings. Coating mold can also be used for upgrading the existing PE pipe extrusion line.



OVERLAP WELDING PPR-AL-PPR COMPOSITE PIPE PRODUCTION LINE 外层熔接型(PP-R)铝塑复合管生产线

Main technical characteristics

- This machine is for outer layer fusion PPR-AL-PPR pipe producing.
- Aluminum precision molding technology used to ensure stable and reliable ultrasonic welding.
- Outer plastic-glue takes vacuum coating co-extrusion mould, makes sure the pipe roundness and outer layer adhesion force.
- This machine takes the PLC control system and HMI for whole extrusion line, synchronization function realized. It helps the group machine production management and quality control.

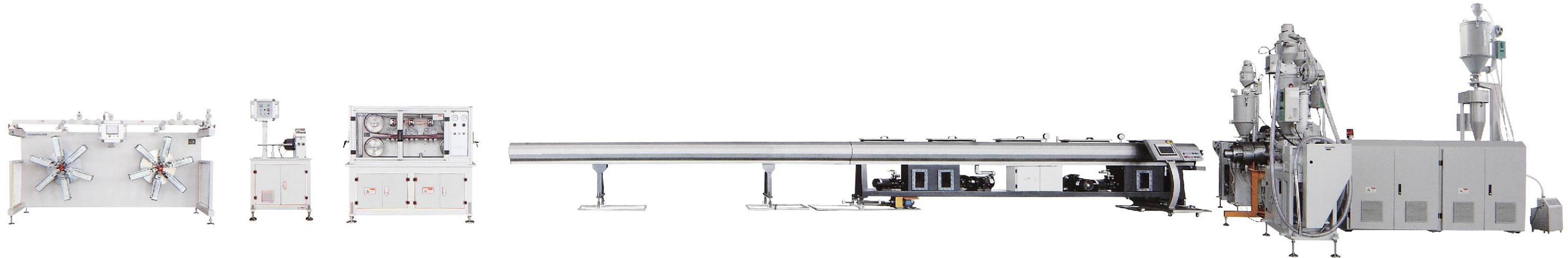


主要技术参数 Main technical specifications

| 型号 Type | 管材规格 (mm) Pipe Specification | 最高线速度(mm) Max.Speed | 总装机功率 (kw) Total Power | 生产线长度 (m) Toyal Length |
|------------|---------------------------------|------------------------|---------------------------|---------------------------|
| BDX-CHR63 | ∅20-∅63 | 10 | 190 | 40 |
| BDX-CHR110 | ∅75-∅110 | 2 | 225 | 60 |

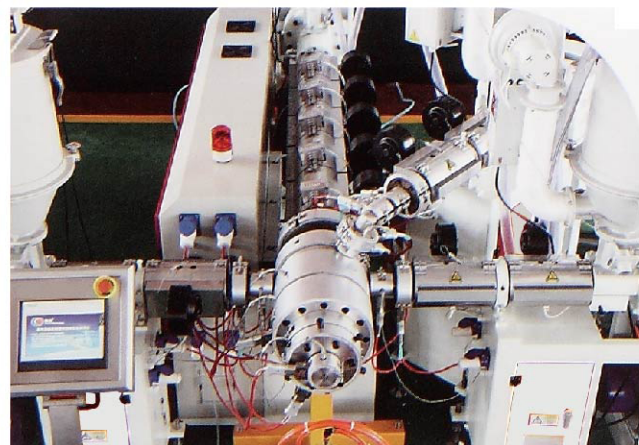
SINGLE LAYER/3 LAYER/5 LAYER PE-RT PIPE PRODUCTION LINE

多层复合PE-RT型管材机组

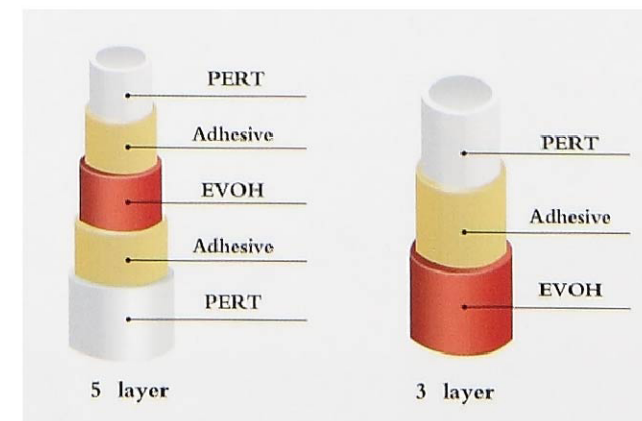


The multi-layer composite pipe production line adopts advanced co-extrusion technology and uses reliable main and auxiliary extruders with excellent performance and perfect interaction so that the multiple layers can be bonded firmly and the size of the pipe can be accurate.

Existing normal plastic pipe extrusion machine can be upgrade by machine configuration renovation, and after that not only single layer pipe but also three-layer or five-layer EVOH oxygen barrier composite pipe can be produced on one same line.



The self-developed co-extrusion die head mold which has been verified and improved for a long period of time has many advantages, such as easy operating, even layer thickness and high accuracy of pipe sizes.



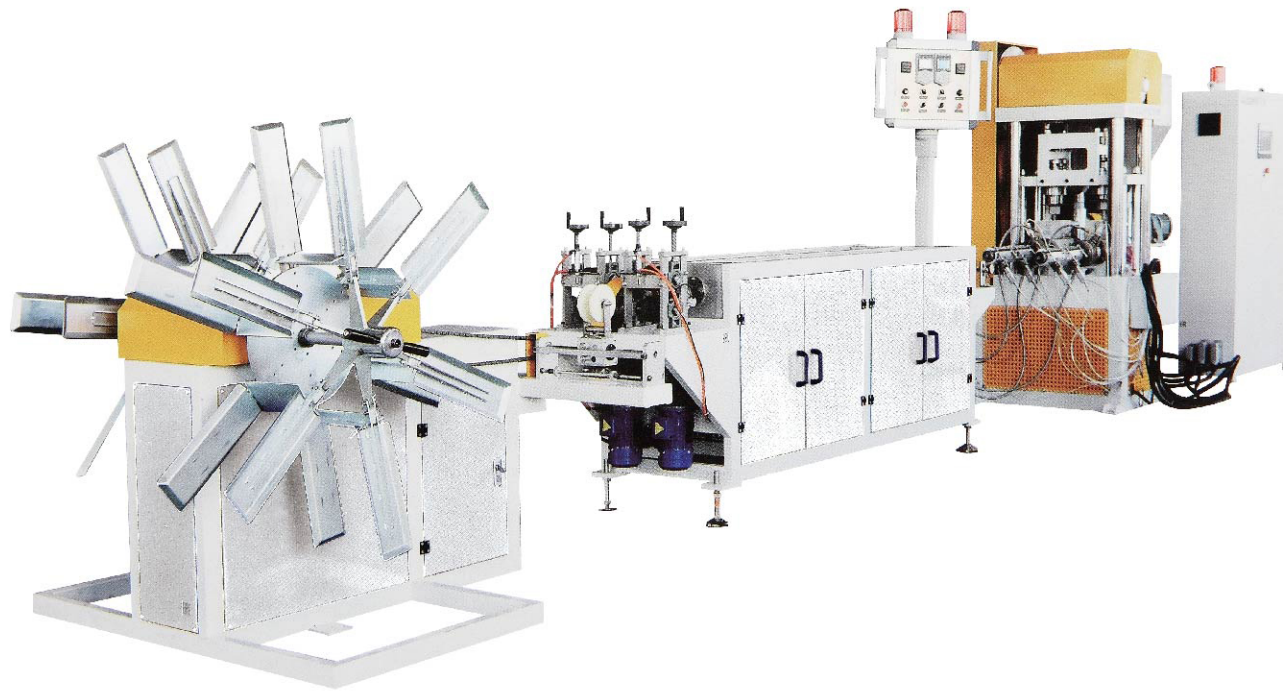
Production line series: Three or five-layer PB/EVOH, PE-RT/EVOH, PE-Xa/EVOH, PP-Xb/EVOH, PP-R/EVOH, and PA/EVOH.

The special control system and extruders that are developed based on the multi-layer co-extrusion characteristics optimally guarantees the stable running of the whole production line. Meanwhile, the high precision PLC entire line control system can ensure the responsiveness, reliability and stability of the line. The specially designed EVOH extruder is suitable for extruding oxygen barrier resin with high melt pressure, ensuring the stability of the resin's extrusion.

主要技术参数 Main technical specifications

| 型号 Model | 生产管径 Pipe Dia.(mm) | 主机挤出量 Output(kg/h) | 最大线速度 MAX.Line Speed(m/min) | 驱动电机功率 Motor power(kw) | 生产线长度 Line Length(m) |
|-------------|-----------------------|-----------------------|--------------------------------|---------------------------|-------------------------|
| SJ-75/34 | 16-32 | 350-400 | 45 | 90/110 | 40 |
| SJ-60-38 | 16-32 | 320 | 45 | 75/90 | 40 |

PEROXIDE CROSS-LINKING PE-XA PIPE PRODUCTION LINE 过氧化物交联聚乙烯PE-Xa管材机组



High strength material made crank-rod is used in the extruder to ensure machine's durability.

Double pipe extrusion design can improve production efficiency

Machine running with low noise, no vibration, and no need for frequent maintenance while working is an obvious advantage.

Special designed stamping system ensures the high reliability and durability of the machine running. Suitable pressure guarantees that PE-Xa pipes can be effectively cross-linked and stably produced.

主要技术参数 Main technical specifications

| 机组型号 Line Model | 生产范围 Production Scope | 生产速度 Production Speed | 机组总功率 Nominal Power | 机组轮廓 L×W×H |
|--------------------|--------------------------|--------------------------|------------------------|---------------|
| BDXPEX-A-32 | Φ16-32mm | 4.4m/min4 | 22.5KW | 10m×1.5m×2m |

EVOH/ PE-XA OXYGEN BARRIER PIPE PRODUCTION LINE EVOH/PE-Xa复合阻氧管材机组



The production line adopts the unique extrusion process: the combined extruder, pipe straightening device, traction device, unwinding device and winding device are synchronously controlled by an integrated control system.. The convenient one button speed up-down function eliminates many operation difficulties, reduces the waste pipes ration, The produced pipe has the performance of firm adhesion and stable size.

This set can produce three layer and five layer EVOH / PE-Xa pipe, as well as double-layer composite Anti-UV PE Xa pipe.

主要技术参数 Main technical specifications

| 机组型号 Line Model | 复合层数 Layers Structure | 生产范围 Production Scope | 生产速度 Production Speed | 机组总功率 Nominal Power | 机组轮廓 L×W×H |
|--------------------|--------------------------|--------------------------|--------------------------|------------------------|---------------|
| BDXPEX-a-III | 三层/3Layerw | Φ16-50mm | 80kg/h | 30KW | 9m×4m×2.4m |
| BDXPEX-a-V | 五层/5Layerw | Φ16-50mm | 75kg/h | 29KW | 9m×3.5m×2.4m |

HIGH SPEED FLAT DRIP IRRIGATION TAPE PRODUCTION LINE 高速内镶片式滴灌带机组



主要技术参数 Main technical specifications

| 机组型号 Line Model | 挤出机型号 Extruder | 生产速度 Line Speed | 滴头识别速度 Dripper Recognition Speed | 制品壁厚范围 Thickness | 打孔速度 Punching Speed | 装机功率 Nominal Power | 机组轮廓 L×W×H |
|--------------------|-------------------|--------------------|--|---------------------|------------------------|-----------------------|---------------|
| BDX-I | SJ-80/40 | 300m/min | 2700pcs | 0.15-0.6mm | ≤950pcs | 118KW | 33m×2.5m×2.8m |
| BDX-II | SJ-60/38 | 180m/min | 1100pcs | 0.15-0.6mm | ≤750pcs | 93KW | 31m×2.5m×2.8m |

High Speed Round Drip Irrigation Pipe Production Line 高速内镶圆柱式滴灌管材机组



主要技术参数 Main technical specifications

| 机组型号 Line Model | 螺杆直径 Screw Diameter | 长径比 L/D | 生产范围 Production Scope | 生产速度 Production Speed | 机组总功率 Nominal Power | 机组轮廓 L×W×H |
|--------------------|------------------------|------------|--------------------------|--------------------------|------------------------|---------------|
| BDX-45 | Φ45mm | 30:1 | Φ8-20mm | 20m/min | 37KW | 20m×2m×2.5m |
| BDX-65 | Φ65mm | 33:1 | Φ8-20mm | 45m/min | 78KW | 32m×2m×2.5m |
| BDX-60 | Φ60mm | 38:1 | Φ8-20mm | 100m/min | 131m/min | 40m×4m×2.5m |

PE/PA/PVC/EVA SINGLE WALL CORRUGATED PIPE MACHINE



生产线挤出参数 Production Line Extrusion Parameters

| SJ65/30Extrusion line | 型号 Type | 外径OD (mm) | 内径ID (mm) | 壁厚WT (mm) | 速度SPEED (m/min) |
|-----------------------|------------|--------------|--------------|--------------|--------------------|
| | AD11.6 | 11.6 | 8.0 | 0.3 | 15-20 |
| | AD13 | 13.0 | 10.0 | 0.3 | 15-20 |
| | AD15.8 | 15.8 | 12.0 | 0.4 | 15-20 |
| | AD18.5 | 18.5 | 14.3 | 0.4 | 12-18 |
| | AD21.2 | 21.2 | 17.0 | 0.4 | 10-15 |
| | AD25 | 25.0 | 20.0 | 0.4 | 10-15 |
| | AD28.5 | 28.5 | 23.0 | 0.4 | 10-15 |
| | AD34.5 | 34.5 | 29.0 | 0.5 | 8-12 |
| | AD42.5 | 42.5 | 36.0 | 0.5 | 8-10 |
| AD54.5 | 54.5 | 48.0 | 0.6 | 6-8 | |

生产线挤出参数 Production Line Extrusion Parameters

| SJ35/30Extrusion line | 型号 Type | 外径OD (mm) | 内径ID (mm) | 壁厚WT (mm) | 速度SPEED (m/min) |
|-----------------------|------------|--------------|--------------|--------------|--------------------|
| | AD7 | 7.0 | 4.5 | 0.3 | 10-15 |
| | AD7.5 | 7.5 | 5.5 | 0.3 | 10-15 |
| | AD10 | 10.0 | 6.5 | 0.3 | 8-12 |
| | AD11.6 | 11.6 | 8.0 | 0.3 | 8-12 |
| AD13 | 13.0 | 10.0 | 0.3 | 8-10 | |

HDPE/PP/PVC Vertical Double Wall Corrugated Pipe Production Line

HDPE/PP/PVC 立式双壁波纹管生产线

性能特点

波纹管主要应用于城市排水、排污系统、高速公路工程、农田水利灌溉工程，还可应用于化工矿山流体输送工程，应用范围相对较广。经专业设计，精心制造的SJVBW立式系列PE/P/PVC立式双壁波纹管全电脑系统控制挤出生产线，具有产量高、挤出稳定和自动化程度高等优点。挤出机可根据用户原料特殊情况设计，HDPE采用新型高效单螺杆挤出机和锥双挤出机，PVC采用大型平双或锥双挤出机。波纹管成型机及模具精度高，模块互换性好，模块冷却方式采用强制风冷，可以实现在线扩口，确保成型管材的各项性能达标，环形无屑切割机具有精度高，无尘等优点。整条生产线采用德国西门子PLC控制系统，具有很高的自动控制功能。

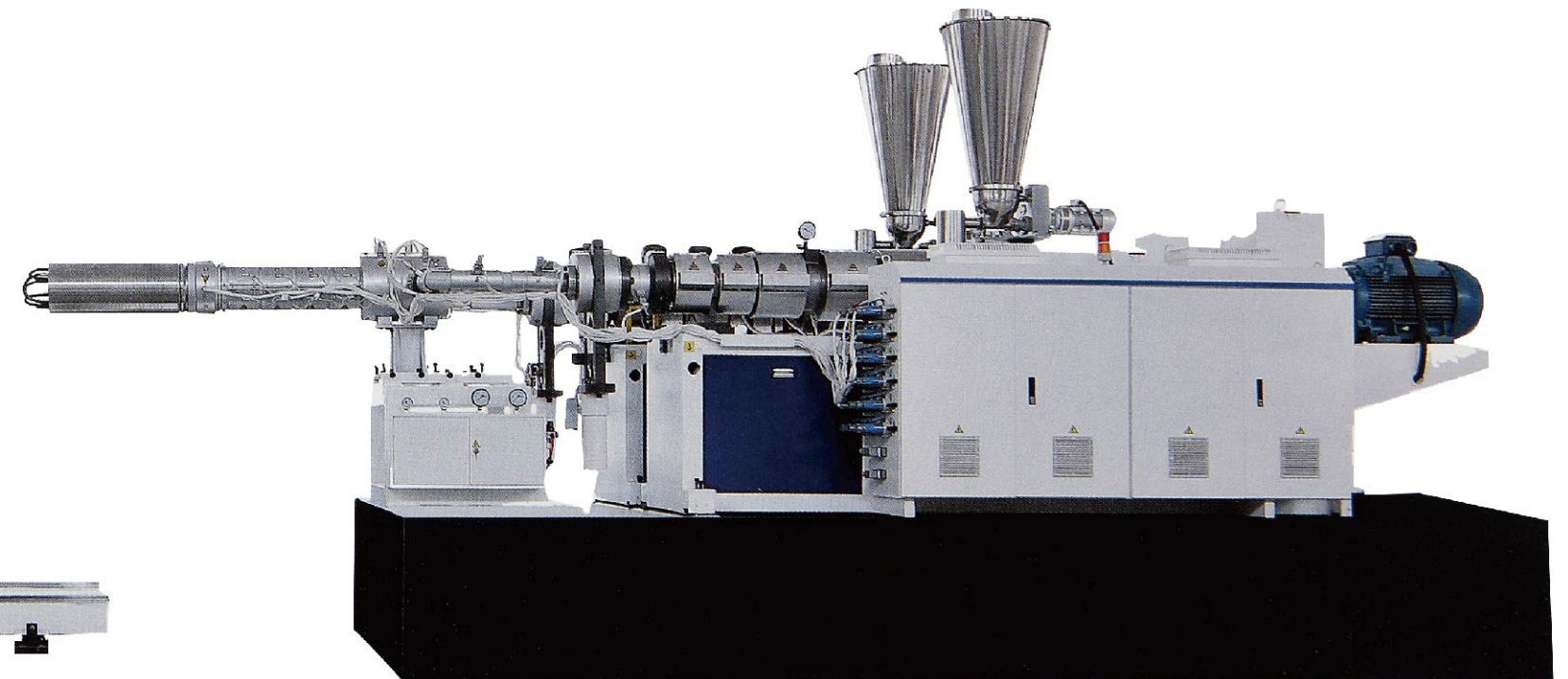
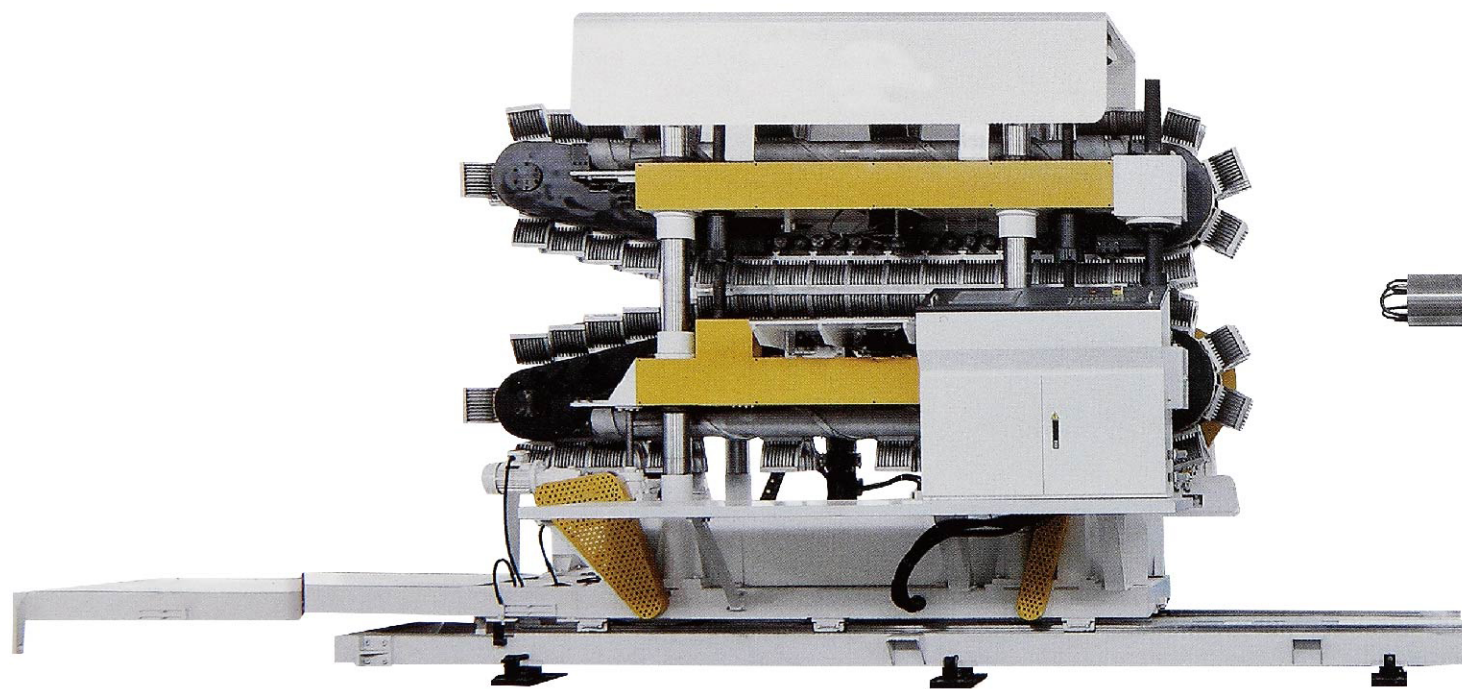
Performance Feature

Double-wall corrugated pipes are mainly used in urban drainage, sewage systems, highway projects, farmland water conservancy irrigation projects, and also in chemical mine fluid transportation projects, with a relatively wide range of applications. Professionally designed and carefully manufactured SJVBW vertical series PE/PP/PVC vertical double wall corrugated pipes are fully computer-controlled extrusion production lines, which have the advantages of high output, stable extrusion and high degree of automation. The extruder can be designed according to the special conditions of the user's raw materials. HDPE adopts a new type of high-efficiency single-screw extruder and conical twin extruder, and PVC adopts a large flat or conical twin extruder, the corrugator and mold have high precision and good module interchangeability. The module cooling method adopts forced air cooling, which can realize online laring and ensure that the performance of the formed pipe reaches the standard. The ring chip-free cutting machine has the advantages of high precision and dust-free. The whole production line adopts SIEMENS PLC control system, which has high automatic control function.

主要技术参数 Main technical specifications

| 型号 Type | 管材直径(mm) Pipe Diameter | 生产能力kg/h PVC Output | 生产能力kg/h HDPE Output | 最大速度(m/min) Max Speed |
|------------|---------------------------|------------------------|-------------------------|--------------------------|
| SJDWC-600 | 200-600 | 650-800 | 600-800 | 3.5 |
| SJDWC-800 | 200-800 | 1200 | 1000 | 3.0 |
| SJDWC-1000 | 200-1000 | 1300 | 1200 | 2.5 |
| SJDWC-1200 | 600-1200 | 1400 | 1400 | 1.0 |
| SJDWC-1500 | 1000-1500 | - | 2000 | 0.8 |

产品展示 Product display



HDPE/PP HORIZONTAL DOUBLE WALL CORRUGATED PIPE PRODUCTION LINE

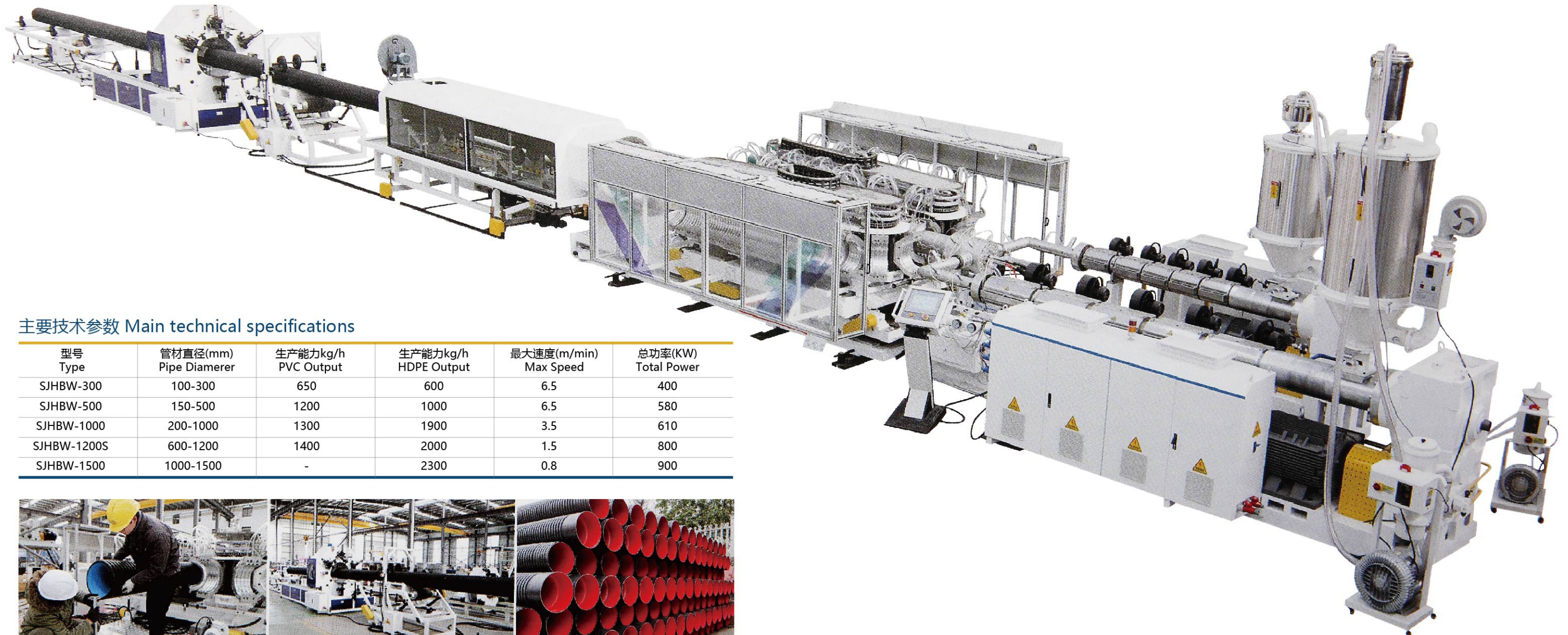
HDPE/PP卧式双壁波纹管生产线

性能特点

波纹管道主要应用于城市排水、排污系统、高速公路工程、农田水利灌溉工程，还可应用于化工矿山流体输送工程。应用范围相对较广。经专业设计，精心制造的SJHBW卧式系列PE/PP/PVC卧式双壁波纹管全电脑系统控制挤出生产线，是以高密度聚乙烯为主要原料，分别由内、外挤出机共同挤出，一次成型，内壁平滑，外壁呈梯形波纹状，具有产量高、挤出稳定和自动化程度高等优点。挤出机可根据用户原料特殊情况设计，HDPE采用新型高效单/双螺杆挤出机，PVC采用大型平双或锥双挤出机。波纹管成型机及模具精度高，模块互换性好。模块冷却方式是强制水冷，很大程度提高模块冷却速度，从而达到高速生产。该生产线可以实现在线扩口，确保成型管材的各项性能达标，环形无屑切割机具有精度高，无尘等优点。整条生产线采用德国西门子PLC控制系统，具有很高的自动控制功能。

Performance Feature

Double-wall corrugated pipes are mainly used in urban drainage, sewage systems, highway projects, farmland water conservancy irrigation projects, and can also be used in chemical mine fluid transportation projects, with a relatively wide range of applications. Professionally designed and carefully manufactured SJHBW horizontal series PE/PP/PVC horizontal double-wall corrugated pipe extrusion production line controlled by computer system. It has the advantages of high output, stable extrusion and high degree of automation. The extruder can be designed according to the special conditions of the user's raw materials. HDPE adopts a new type of high-efficiency single/twin screw extruder, and PVC adopts a large flat twin or conical twin extruder. The corrugator and mold have high precision and good module interchangeability. The module cooling method is forced water cooling, which greatly improves the cooling speed of the module, so as to achieve high-speed production. The production line can realize on-line flaring to ensure that the various properties of the formed pipe meet the standards. The ring-shaped chipless cutting machine has the advantages of high precision and no dust. The whole production line adopts SIEMENS PLC control system, which has high automatic control function.

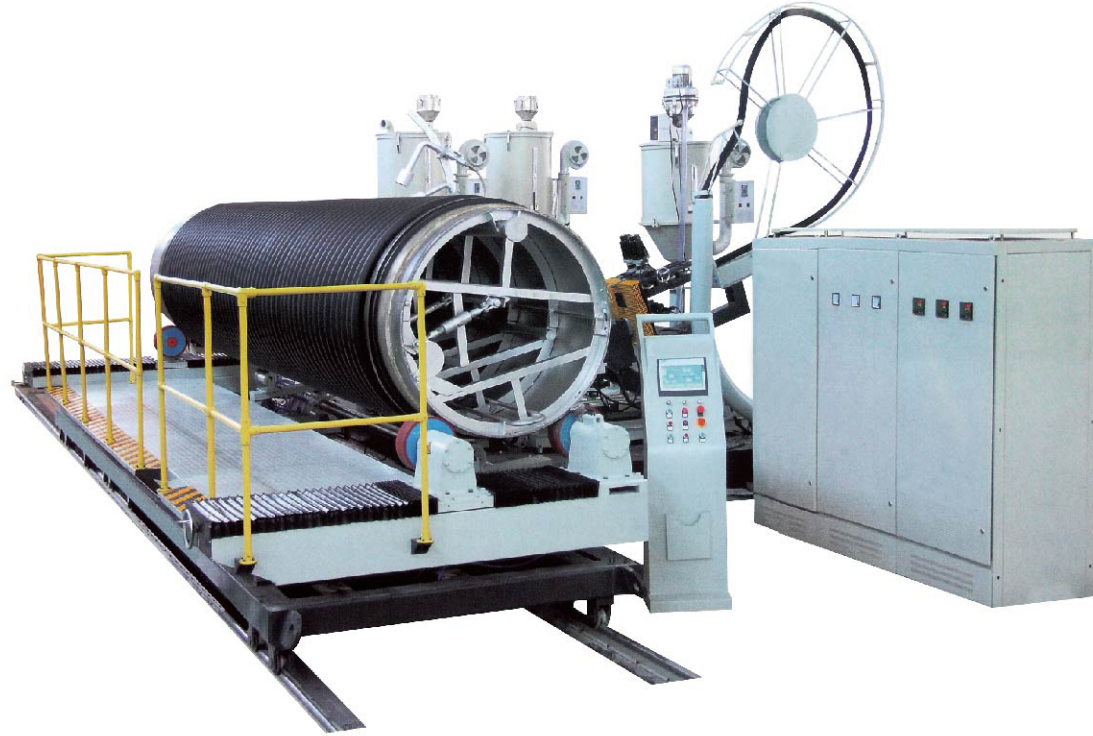


主要技术参数 Main technical specifications

| 型号 Type | 管材直径(mm) Pipe Diameter | 生产能力kg/h PVC Output | 生产能力kg/h HDPE Output | 最大速度(m/min) Max Speed | 总功率(KW) Total Power |
|-------------|---------------------------|------------------------|-------------------------|--------------------------|------------------------|
| SJHBW-300 | 100-300 | 650 | 600 | 6.5 | 400 |
| SJHBW-500 | 150-500 | 1200 | 1000 | 6.5 | 580 |
| SJHBW-1000 | 200-1000 | 1300 | 1900 | 3.5 | 610 |
| SJHBW-1200S | 600-1200 | 1400 | 2000 | 1.5 | 800 |
| SJHBW-1500 | 1000-1500 | - | 2300 | 0.8 | 900 |



Large Diameter Polyethylene (PE) Winding Structure Wall Pipe Production Line (KRAH Pipe) 大门径聚乙烯(PE)缠绕结构壁管材设备(克拉管设备)



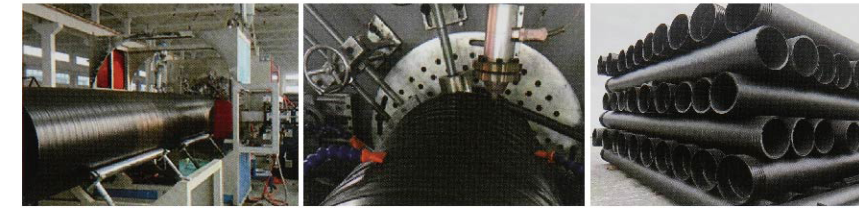
Performance Feature

This production line is using HDPE resin as main rawmaterial, adopts thermal state filament winding process and PFsingle wall corrugated pipe as supporting structure. The finishproduct has hiahly resistance of external pressure, named asTwine B Type Structured Wall Pipe, commonly known as KRAHpipe (Baoku Pipe). The inner layer of pipe is very smooth, oulayer circular type reinforcement structure, high loop stiffness andimpact resistance, hot melt sealing connecting, so it belongs toflexible pipe.The production line adopts PLC control systemman-machine conversation intelligent interface, easy operation.

主要技术参数 Main technical specifications

| 型号 Model | 管材规格(mm) Pipe Size | 最高生产速度(m/min) Max.Speed | 总装机功率(约)(KW) Total Power (approx) | 生产线占地(约)(mxm) Dimensions (approx) |
|-------------|-----------------------|----------------------------|--------------------------------------|--------------------------------------|
| SJPE-2000 | φ300-φ2000 | 0.35 | 320 | 38x16 |
| SJPE-3000 | φ300-φ3000 | 0.30 | 460 | 46x18 |
| SJPE-4000 | φ1500-φ4000 | 0.15 | 660 | 46x20 |

HDPE/PP HOLLOW WALL PIPE PRODUCTION LINE HDPE/PP中空壁管生产线



性能和优点

双机联合同时供料，螺旋转动成型，高效复合工艺，保证产品的高品质。采用特殊的塑钢复合技术，管材复合可靠，增强管材性能。采用可调节式的挤出机架，操作方便、灵活。采用德国西门子PLC自动控制系统，性能可靠，维护方便。螺旋管环刚度高，重量轻，成本低，接口密封性能好，耐酸碱，不腐蚀，使用寿命长，施工方便。广泛应用于城市埋地排水，排污管道。

Performance and Advantage

The system has two extruder used and spiral rotating forming, high efficient combination technology to reach high quality product. Special plastic steel composite technology has been used to reinforce pipe performance. Adjustable extruder bracket, flexible operation, Siemens PLC automatic controlling system adopted to make the system reliable and easy maintenance. The spiral pipe produced is low cost, low weight but bigger round stiffness. The connector has good air sealing performance, the pipe has good corrosion resistance and long life time and it is easy to install. Urban underground drainage and sewage pipe.

主要技术参数 Main technical specifications

| 型号 Model | 管径范围(mm) Diameter | 配套节能挤出机 Extruder | 实际最大挤出量(kg/h) Capacity (kg/h) | 总装机功率(kw) Power (kw) |
|-------------|----------------------|---------------------|------------------------------------|---------------------------|
| SJY800 | 200-800 | SZ75X30/SZ55X30 | 400 | 120 |
| SJY1200 | 300-1200 | SZ90X30/SZ65X30 | 550 | 200 |
| SJY1600 | 800-1800 | SZ100X30/SZ75X30 | 650 | 300 |
| SJY2400 | 1200-2400 | SZ120X30/SZ75X30 | 750 | 400 |
| SJY3000 | 1800-3000 | SZ150X30/SZ90X30 | 900 | 600 |

PP DRINKING STRAW EXTRUSION LINE

PP 吸管挤出生产线

Application & Suitable Scale

The series drinking straws extrusion line uses polypropylene (PP) as raw materials, with the use of masterbatches, after melting, extrusion, shaping, cooling, pulling, cutting, then produce transparent, one color, two color, and three color drink straws. It is composed of main body, tooling, cooling system, cutting machine, with a variety of models such as single color extrusion line, two color and two color co-extrusion line, three color extrusion line, etc.

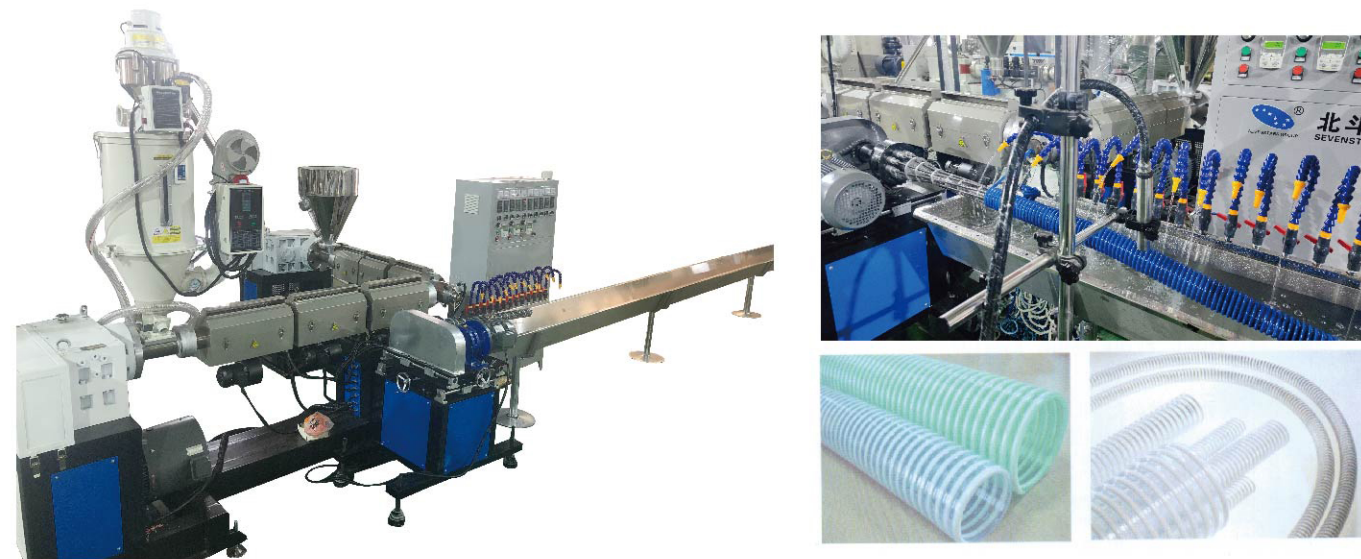


主要技术参数 Main technical specifications

| Model | SJ45 | SJ50 | SJ55 |
|---------------------|---------|---------|---------|
| Extruder | SJ45/28 | SJ50/28 | SJ55/28 |
| Diameter range(mm) | Φ1-Φ14 | Φ1-Φ14 | Φ1-Φ14 |
| Output (kg/h) | 25 | 35 | 45 |
| Installed power(KW) | 20 | 22 | 28 |

PVC SPIRAL HOSE PRODUCTION LINE

PVC 塑筋螺旋管生产线



主要技术参数 Main technical specifications

| Extruder | Diameter Range (mm) | Installed Power (kw) | Dimension(mm) | Total Weight |
|----------|-----------------------|------------------------|-----------------|--------------|
| SJ45x2 | 25-50 | 31 | 15000x4000x1500 | 3000 |
| SJ65x2 | 63-150 | 58.6 | 18000x5000x2000 | 4000 |

PVC STEEL REINFORCED HOSE PRODUCTION LINE

PVC 钢丝增强软管生产线

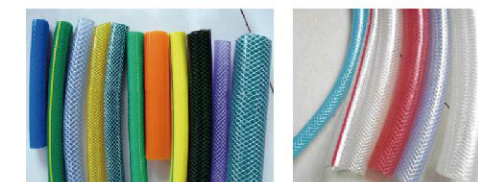


主要技术参数 Main technical specifications

| Extruder | Diameter Range (mm) | Output (kg/h) | Installed Power (kw) |
|----------|-----------------------|-----------------|------------------------|
| SJ45/28 | 20-40 | 20-40 | 30 |
| SJ65/28 | 20-50 | 40-75 | 40 |
| SJ90/28 | 50-75 | 100-130 | 50 |
| SJ120/28 | 100-150 | 120-150 | 75 |

PVC FIBER REINFORCED HOSE PRODUCTION LINE

PVC 纤维增强软管生产线



主要技术参数 Main technical specifications

| 型号 Model | SJ45 | SJ55 | SJ65 | SJ75 |
|--------------------------|---------|---------|---------|---------|
| 挤出机 Extruder | SJ45/30 | SJ55/30 | SJ65/28 | SJ75/30 |
| 规格范围 Diameter Range(mm) | Φ6-Φ16 | Φ8-Φ25 | Φ12-Φ50 | Φ20-Φ50 |
| 产量 Output(kg/h) | 20-40 | 30-60 | 40-80 | 60-110 |
| 装机功率 Installed Power(kw) | 35 | 42 | 50 | 65 |

TPU/PU/PVC STEEL WIRE SUCTION HOSE PRODUCTION LINE TPU/PU/PVC钢丝风管生产线

Features and application

Steel wire hose with pressure, oil, corrosion resistance, acid and alkali, flexibility can be flexible, not brittle, not easy to aging, etc, and easy to observe the operation of the pipeline, is a new generation of ideal delivery hose. Widely used in industry, agriculture, food and drug and construction industries, conveying water, oil, low concentrations of chemicals such as liquid and solid particles, powder material.



IRON PIPE ALL-PURPOSE COATING EXTRUSION LINE 铁线包覆生产线



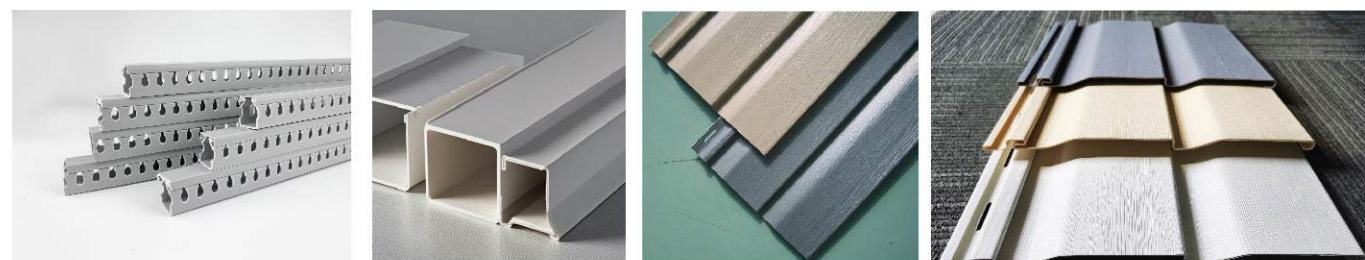
MEDICAL CENTER VENOUS CATHETER EXTRUSION LINE 中心静脉导管挤出生产线



DRIP IRRIGATION TAPE PRODUCTION LINE 滴灌带挤出生产线



PVC WINDOW/DOOR PROFILE PRODUCTION LINE
PVC TRUNKING PROFILE & PVC CLADDING PANEL LINE
PVC WATERSTOP PROFILE & PVC WINDOWSILLS LINE
PVC HOLLOW ROOF SHEET LINE
PVC门窗异型材生产线及其他异型材生产线



▲ PVC trunking profile line

▲ PVC cladding panel line



▲ PVC waterstop profile line

▲ PVC windowsills line

主要技术参数 Main technical specifications

| Type | Series | | | | | | | |
|-----------------------------|--------|----|----|----|----|----|----|-----|
| | 35 | 38 | 40 | 45 | 60 | 70 | 80 | 90 |
| Casement window frame | 35 | 38 | 40 | 45 | 60 | 70 | 80 | 90 |
| Sliding window frame | 55 | 60 | 65 | 70 | 80 | 88 | 90 | 108 |
| Inward opening window sash | 35 | 38 | 40 | 60 | 70 | 80 | 90 | 100 |
| Outward opening window sash | 35 | 38 | 40 | 60 | 70 | 80 | 90 | 100 |

This production line is mainly used to produce PVC profile, such as Ceiling, Deck, Floor, Cornice, Plank, Windows, Door frame and board and etc.

Characteristics and applications

1. Conical twin-screw extruder, applied for processing PVC/WPC raw materials.
2. Changing the moulds to produce many kinds of different profiles.
3. Auxiliary machine: Mixing unit, Mould, Vacuum calibration table, Haul-off machine, Cutter and Stacker.



▲ PVC hollow roof sheet line



▲ PVC window/door profile line

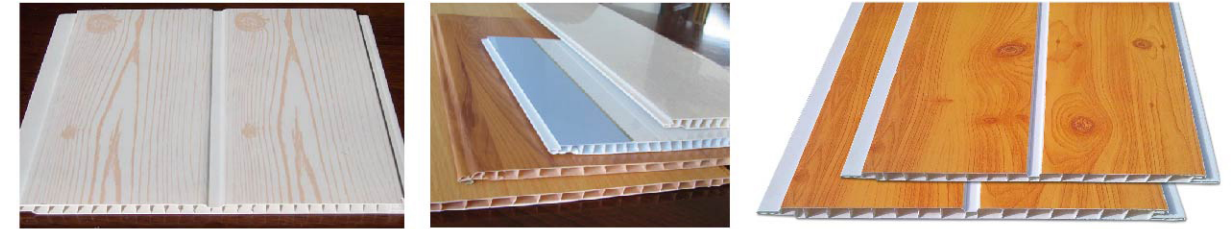
PVC CEILING PANEL /PVC FLUTED PANEL/WPC LOUVRE PANEL EXTRUSION LINE

PVC扣板/墙板挤出生产线

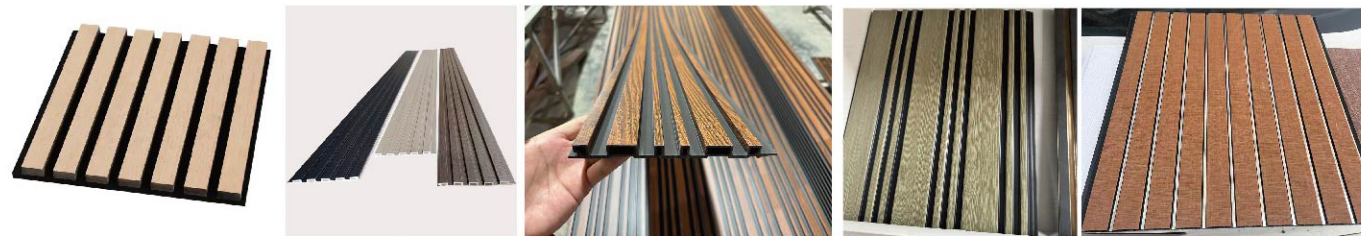
- 1.The equipment adapts to various formulations, the ratio of calcium can be increased up to 50%-250%, while The required accessories can be reduced by 30%
- 2.The ceiling the extruder products has an exquisite appearance and uniform plasticization
- 3.Laser tracking eliminates problems regarding the extrusion flow rate,which helps achieve automation of the entire extrusion process.
- 4.The PVC ceiling extrusion machine has auto-alarm functions in case of emergency, through the use of PID controller.



▼ PVC ceiling panel



▼ PVC fluted panel

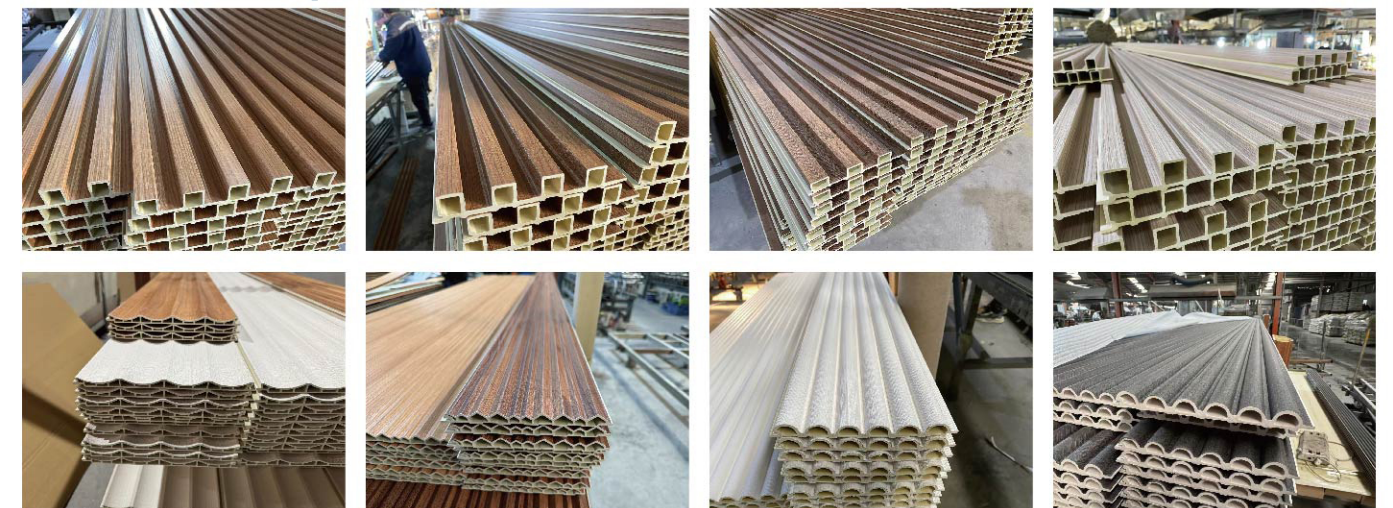


Which is mainly used in the area of PVC ceiling, integrated ceiling, luggage board, ceiling corner etc. the equipment consists of conical twin-screw extruder, vacuum shaping table, tractor, cutter and stacker. It has high-tech laser tracking device exclusive, to ensure not only extrude PVC ceilings with high quality and output also greatly reduce the cost of production, which get appreciations from customers.

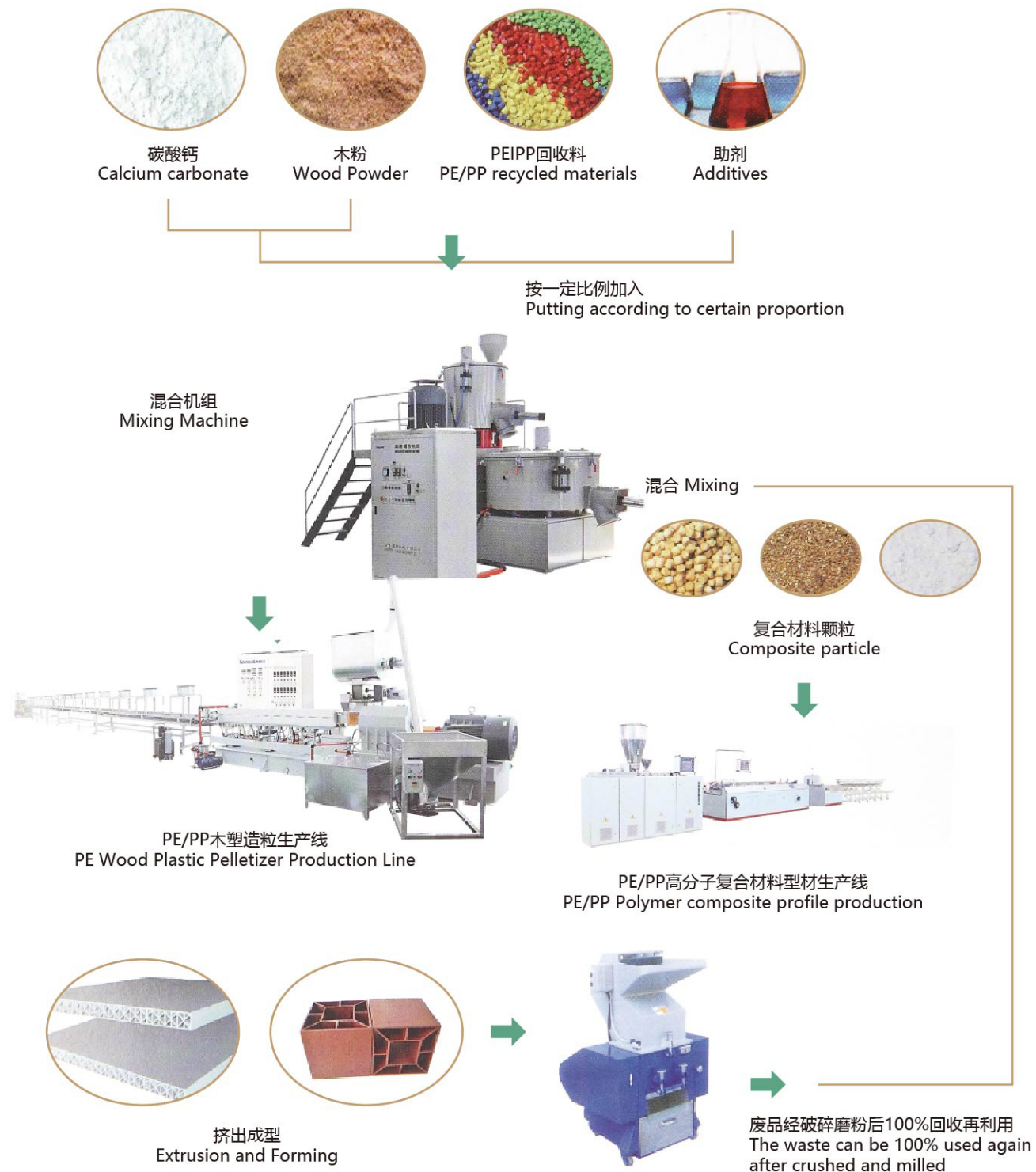
主要技术参数 Main technical specifications

| 主机型号 Model | SJSZ48(50) | SJSZ55 | SJSZ65 |
|--|------------|---------|---------|
| 主电机功率 Main power(kw) | 15 | 22 | 37 |
| 制品宽度 Product width(mm) | 300 | 200-600 | 300-600 |
| 生产线总功率 Total Power(kw) | 34 | 47 | 66 |
| 挤出量 Output capacity(kg/h) | 110-160 | 120-190 | 150-210 |
| 生产线长度 Length of line | 18.5 | 20 | 21.5 |
| 压缩空气量 Air compression(mpa/m ³) | 0.5 | 0.6 | 0.6 |

▼ WPC louvre panel



PE/PP POLYMER COMPOSITE PRODUCTION PROCESS PE/PP高分子复合材料生产工艺流程



PE/PP BASED WPC EXTRUSION LINE PE/PP木塑挤出生产线

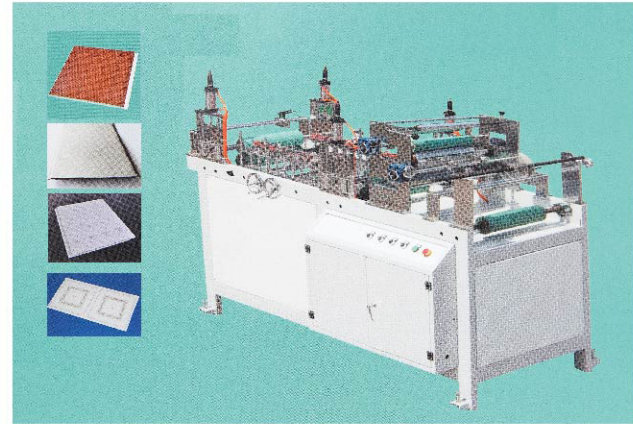


生产线由锥形双螺杆挤出机、真空定型台、切割机、翻料架组合。
line consists of conical twin screw extruder, vacuum calibrator table, cutter and stacker.

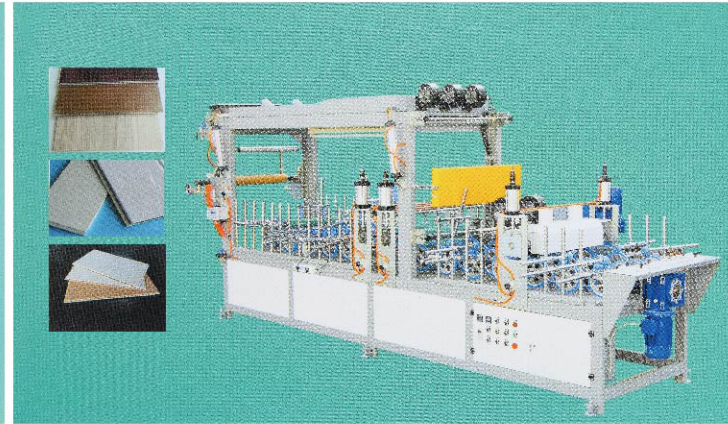
主要技术参数 Main technical specifications

| 规格 Model | YF108 | YF180 | YF240 | YF300 | YF400 |
|------------------------------------|-------|-------|-------|-------|-------|
| 制品宽度 Max.profile width | 108 | 180 | 240 | 300 | 400 |
| 牵引高度 Haul off width | 150 | 150 | 150 | 150 | 150 |
| 牵引力 Haul off force | 2 | 2 | 2 | 2 | 3 |
| 牵引速度 Haul off speed | 4 | 4 | 3 | 3 | 2 |
| 辅机功率 Total power(without extruder) | 10 | 19 | 28 | 31 | 35 |

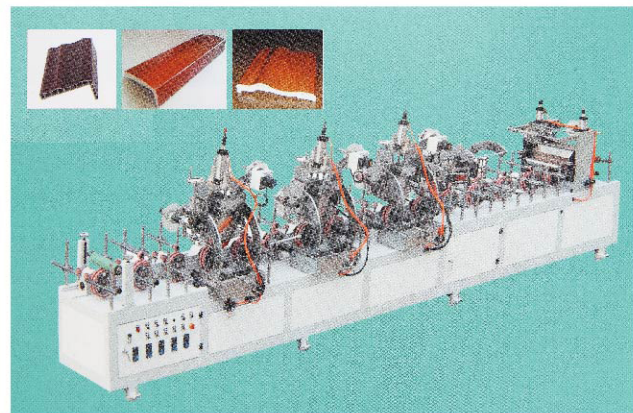
PVC PROFILE DOWNSTREAM SERIES
PVC型材线辅机



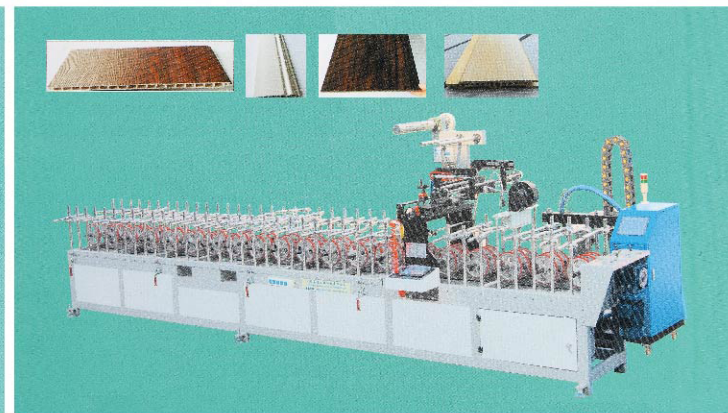
Online Laminating and Heat Transfer Machine



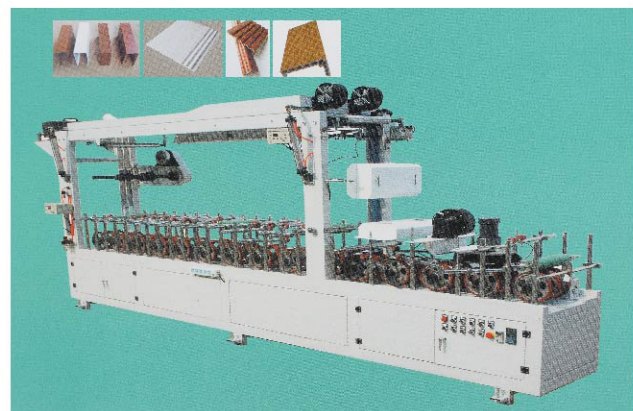
Laminating Machine



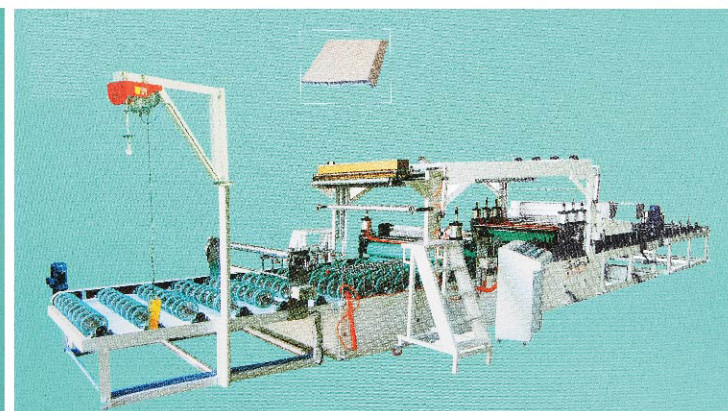
Board Frame Heat Transfer Machine



PUR Hot Melt Laminating Machine

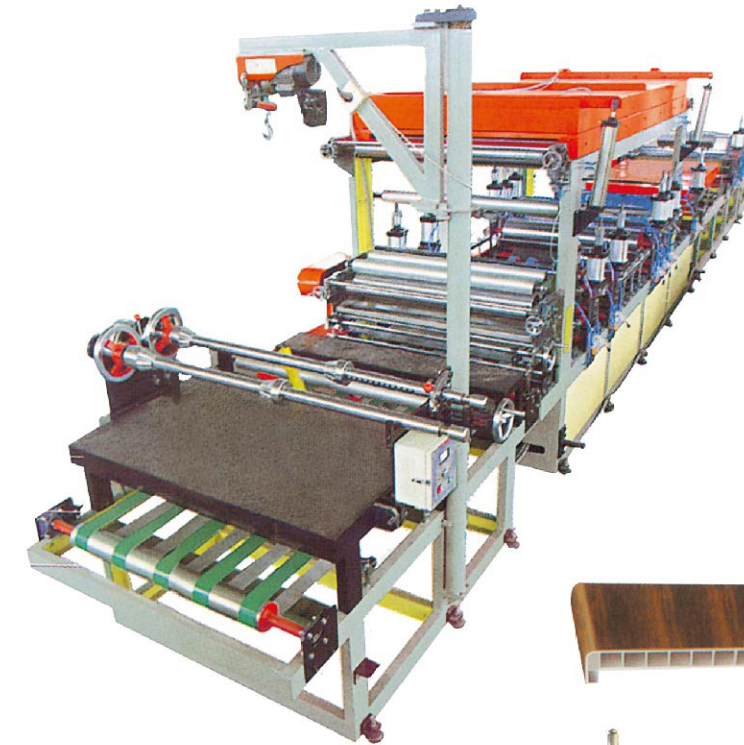


Multi-functional Cold Glue Laminating Machine



Multi-functional Board Laminating Machine

WOOD PLASTIC DOWNSTREAM SERIES
木塑生产线辅机



1300 PLATE FILM-LAMINATION MACHINE
1300型板材覆膜机



WOOD POWDER PULVERIZING SYSTEM
磨粉系统



WOOD EMBOSSING MACHINE
木塑压花机



DRYING SYSTEM
干燥系统



LINE & BOARD PRINTING MACHINE
线条、板材烫印机（两平、六头）系列



TRIPLE BELT SANDER
三砂架宽砂光机

PVC EDGE BANDING PRODUCTION LINE PVC封边条生产线

特点及用途

该套设备主要包括挤出机、模具、定型冷却水槽、牵引机收卷机等组成。主机、牵引机采用变频调速、不锈钢定型台、牵引速度恒稳。

配合覆膜机，印刷机，用户可以生产多种外观图案的封边条。可根据客户要求，采用单螺杆挤出机或双螺杆挤出机生产PVC边带。

最终制品广泛应用于木板/复合板/发泡板/密度板等封边装饰。



4 COLOR PVC EDGE BANDING PRINTING LINE

主要技术参数 Main Technical Parameter

| Extruder | Mould cavity | Edge banding width |
|----------------------------------|--------------|--------------------|
| SJ45single screw extruder | 1 | 12-25mm |
| SJ65single screw extruder | 2 | 12-45mm |
| SJSZ51/105 double screw extruder | 2 | 12-45mm |
| SJSZ65/132 double screw extruder | max | 650-750mm |

PVC EDGE BAND CALENDER LINE PVC封边条片材生产线

Characteristics and applications

This set of equipment mainly includes extruder, mold, cooling water tank, drawing machine, winding machine and so on. Main extruder tractor adopts frequency conversion speed regulation, stainless steel shaping platform, tracting speed is constant and stable.

With laminating machine, printing machine, users can produce a variety of appearance patterns of the edge band. We can use single screw extruder or double screw extruder to produce PVC edge band.

The final product is widely used in the edge decoration for wood/composite board/foam board/density board.



UV printing process



Slitting process



Extrusion process



PVC/ABS/PMMA EDGE BANDING EXTRUSION LINE PVC/ABS/PMMA封边条挤出生产线

Features and application

The production line includes high-efficiency single-screw extruder, embossing wheel, water tank, traction gluing machine, drying air duct, secondary traction machine, long gate and winder. Specially designed screws and barrels are used to replace PVC/ABS/PMMA and other plastics extrusion processing to ensure full plasticization and stable extrusion of the material; the embossing wheel adopts the structure of cylinder compaction and rapid roll change for easy replacement. Drawer glue applicator with oven device to fully dry the moisture on the surface of the edge band before the glue, so that the effect of surface glue is more fully; the effect of the second traction ensures the straightness of the edge band without bending deformation; The gate adopts automatic meter counting and alarm device, which is convenient for manual operation and accurate number of meters per roll.



主要技术参数 Main technical specifications

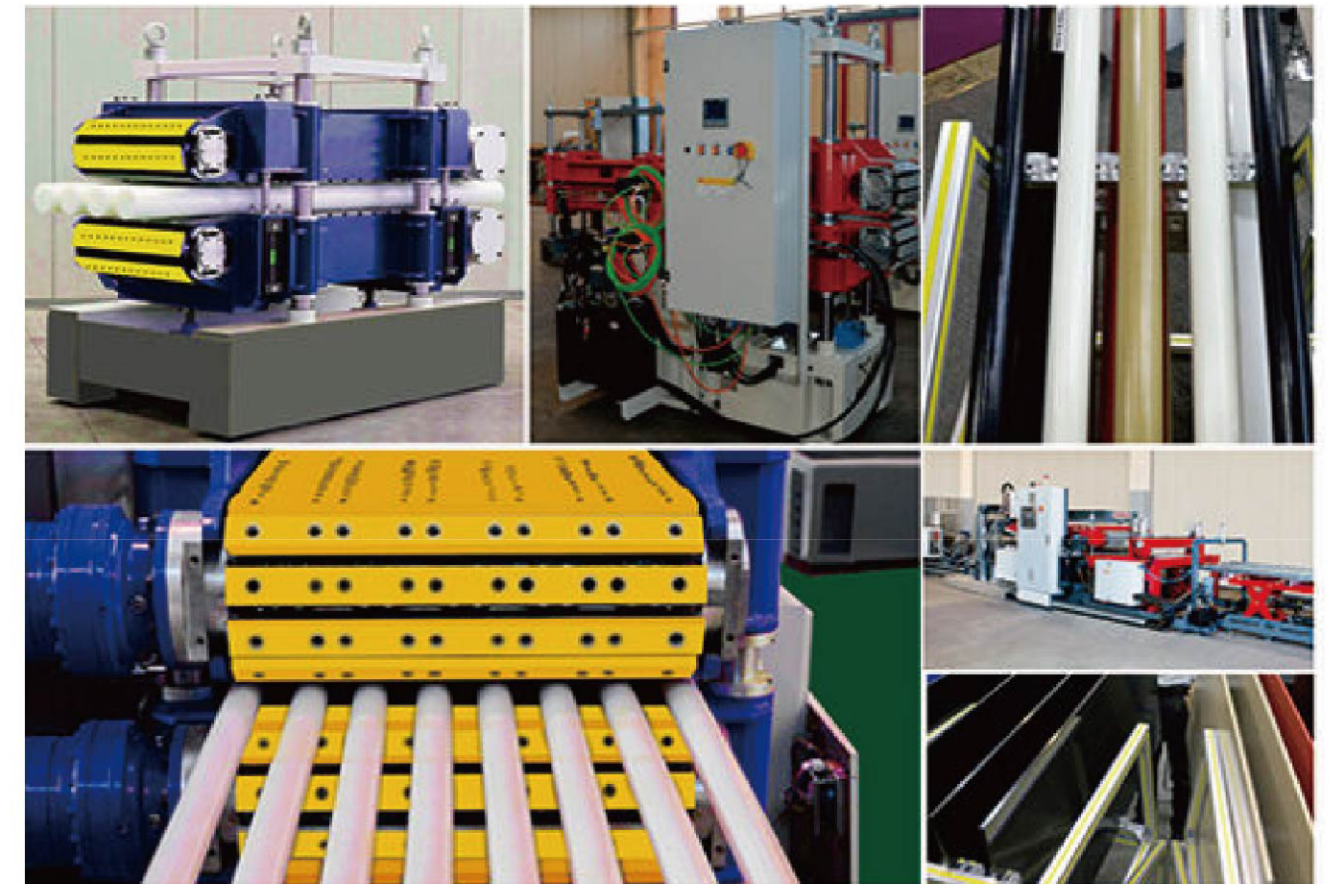
| Model | SJ55 | SJ65 |
|-----------------------------------|------------------|------------------|
| Sink length(m) | 4 | 4 |
| Maximun width of edge banding(mm) | 70 | 120 |
| Traction speed(m/min) | 0.5-30 | 0.5-25 |
| Glue injection method | Automatic primer | Automatic primer |
| Compressed air pressure(Mpa) | 0.6 | 0.6 |



PLASTIC ROD PRODUCTION LINE 塑料棒材生产线

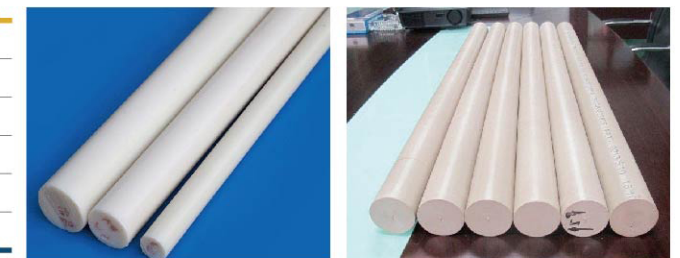
Features and application

The production line includes high-efficiency high-pressure single-screw extruder, tempering plate, damper and cutting machine. Specially designed screw and barrel are suitable for extrusion processing of engineering plastics such as PEEK, POM, PPS, UHMWPE; the damper is driven by imported planetary reducer and servo motor to ensure the constant resistance output of the damper and improve the product's high Compactness. The saw blade of the cutting machine uses a special sawtooth structure to ensure that the sawdust does not stick to the saw blade during cutting. In addition, by changing the structure and size of the screw, the production line can adapt to the type of different materials and the size of the product to be extruded, so that it can develop specific equipment to meet the various needs of customers.

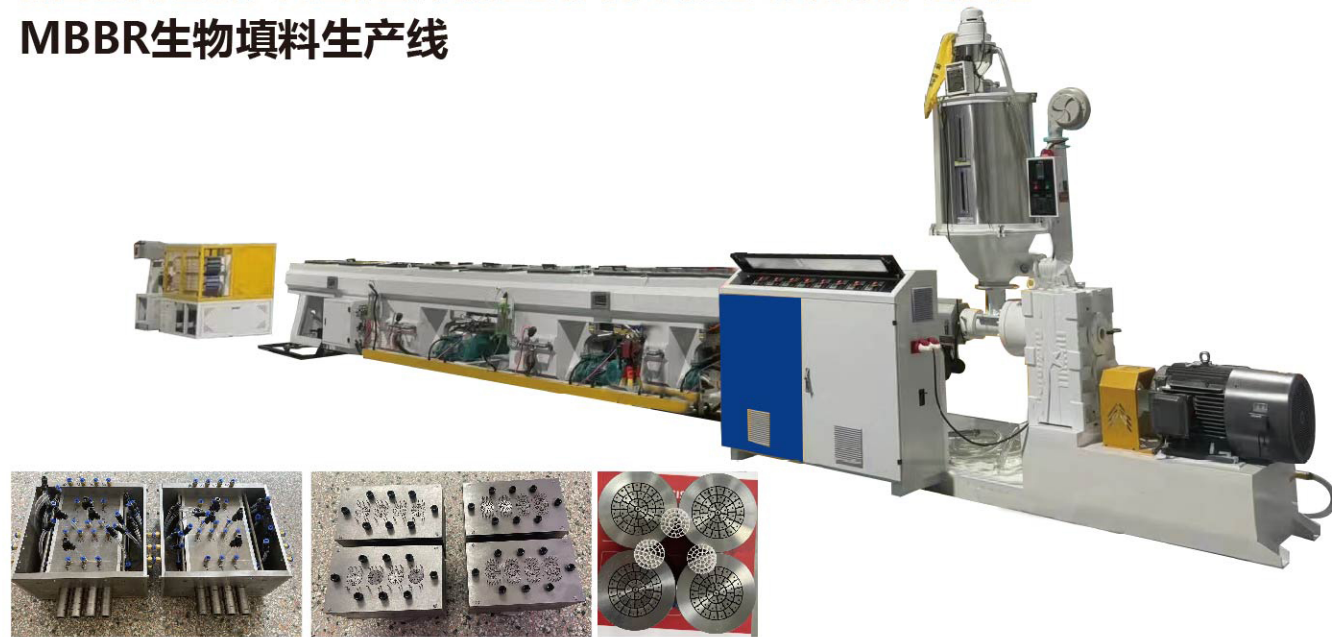


主要技术参数 Main technical specifications

| Model | YF600 | YF800 |
|------------------------------|---------|---------|
| Profile width(mm) | 600 | 800 |
| Plate thickness(mm) | 6-300 | 6-300 |
| Rod product diameter(mm) | φ5-φ300 | φ5-φ300 |
| Traction speed(mm/h) | 50-120 | 50-120 |
| Compressed air pressure(Mpa) | 0.6 | 0.6 |



MBBR BIO FILTER MEDIA PRODUCTION LINE MBBR生物填料生产线



主要技术参数 Main Technical Parameter

| | | | |
|----------------|-------------|----------------------------|--------------|
| Machine length | Total power | Density | Mould cavity |
| 23m | 50kw | 0.94-0.98g/cm ³ | 1-6 |

3D SINGLE COLOR AND DOUBLE COLOR PRINTER FILAMENT EXTRUSION LINE 3D 单色和双色打印丝生产线



主要技术参数 Main technical specifications

| 型号 Model | 产量 Capacity | 电机功率 Motor power | 总长 Total length | 丝数量 Filament Quantity | 直径 Diameter | 公差 Tolerance | 加热温度 Heating Temperature |
|-------------|----------------|---------------------|--------------------|--------------------------|---------------------|-----------------|-----------------------------|
| BDX-35A | 10-15 kg/h | 7.5 kw | 12 m | 1 | 1.75, 2.85, 3.00 mm | ±0.02 mm | Max. 280 °C |
| BDX-45A | 20-25 kg/h | 15 kw | 14 m | 1 | 1.75, 2.85, 3.00 mm | ±0.02 mm | Max. 280 °C |
| BDX-50A | 30-40 kg/h | 15 kw | 15m | 2 | 1.75, 2.85, 3.00 mm | ±0.02 mm | 0-280 °C (A), 0-480 °C (B) |

PE Bundled Duct Pipe production line PE集束管生产线



PU AIR TUBE PRODUCTION LINE PU气管生产线



PLASTIC RATTAN PRODUCTION LINE

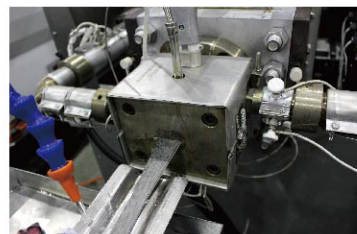
塑料藤条生产线



特点和用途 Features and application

本款塑料藤条挤出机用于生产各种形状和具有自然色泽的真塑胶仿藤，产品主要包括：圆藤、扁藤、压纹藤、仿真藤、效果藤、梦幻藤、变色藤等，广泛应用于室内和户外家具，如桌、椅，沙发以及各类编织工艺品。产品具有强延展性，可洗、不易霉变、不含有害物、防紫外线及抗不良天气环境的特点。

The plastic rattan extruder use for imitation rattan extruder for the production of various shapes and natural color of the real plastic imitation rattan, the products include: round vine, flat vine, embossed rattan, Rattan, effect rattan, dream rattan, rattan vine, widely used in indoor and outdoor furniture, such as tables, chairs, sofas and all kinds of weaving crafts. Products with strong ductility, can be washed, not mildew, without harmful substances, anti-ultraviolet and anti-adverse weather environment characteristics.



PC/PMMA/PS LAMPSHADE PIPE EXTRUSION LINE

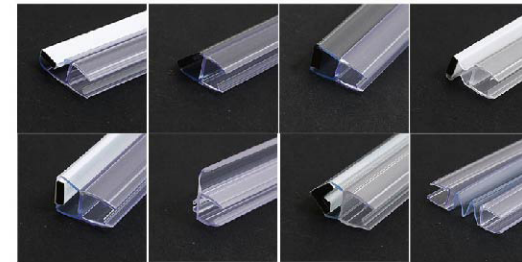
PVC PRICE TAG EXTRUSION LINE

PVC SHOWER STRIP EXTRUSION LINE

PC/PMMA/PS灯罩管/PVC价格标签/PVC淋浴胶条挤出生产线

Features and application

The production line includes high-efficiency single-screw extruder, setting table, traction machine and precision cutting machine. The screw and barrel with special structure design are suitable for PC / PMMA/ PS and other engineering plastics extrusion processing to ensure full plasticization and stable extrusion of materials; imported steel is used to produce high-precision processed profile shaping molds to ensure the size of lampshade profiles Precision and stability; the cutting machine adopts mechanical fixed-length cutting method, which can realize the precision error of each section length +/-0.5mm.



◀ PVC SHOWER STRIP

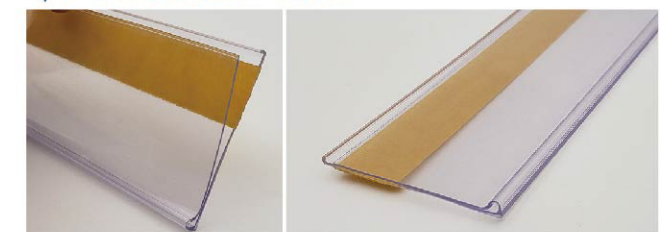
▼ PC/PMMA/PS LAMP PROFILE



▼ PVC PRICE TAG

主要技术参数 Main technical specifications

| Model | SJ50 | SJ65 | SJ80 |
|------------------------------|-------|-------|---------|
| Profile width(mm) | 50 | 80 | 120 |
| Traction speed(m/min) | 0.5-5 | 0.5-4 | 0.5-3.5 |
| Compressed air pressure(Mpa) | 0.6 | 0.6 | 0.6 |



TPU/TPE/PE/PVC MEDICAL CATHETERS PIPE & PRECISIN PIPE EXTRUSION LINE

TPU/TPE/PE/PVC医用导管&精密管挤出生产线

Features and application

The production line consists of a high-efficiency single-screw extruder, a die head, a stainless steel vacuum water tank, a tractor, and a cutting machine, which can achieve online chipless cutting. All components and units of the equipment meet clean room requirements. The production line is stable and efficient. The voltage, current, water pressure, air pressure, extrusion and traction speed in the production process are all digitally controlled. The roundness and wall thickness of the extruded hose have the highest accuracy exceeding the ultra-high standard of $\pm 0.02\text{mm}$. The diameter of the catheter 1.2 -8 mm, thickness tolerance $\pm 0.03\text{ mm}$. The mold structure is a high-pressure volume structure, which provides sufficient protection for high- quality medical tubes and precision tubes. All stainless steel shaping sinks are made of stainless steel bending, all-glass cover closed structure, medical grade stainless steel vacuum pump; tractor belt adopts V-ribbed belt, servo motor, high-precision synchronous belt transmission mechanism to ensure high precision and high stability of traction line speed. Long-term operation, and the belt does not slip and noise during traction; the cutting machine uses a low-inertia aluminum alloy rotating blade arm and a special cutting blade sleeve to make the cut flat without flying wires, driven by a servo motor, PLC programming control, and touch-type man-machine operation The interface can ensure the accuracy of the cutting length, the cutting length can be arbitrarily set, and the number of cutting times is automatically counted.



主要技术参数 Main technical specifications

| Model | Pipe diameter range(mm) | Screw diameter(mm) | Screw diameter L/D | Motor power(kw) | Production capacity |
|-------|-------------------------|--------------------|--------------------|-----------------|---------------------|
| SJ35 | 0.2-3.0 | 35 | 25-28 | 3.7-5.5 | 5-12 |
| SJ45 | 1.5-8.0 | 45 | 25-28 | 11-15 | 22-36 |
| SJ55 | 2.0-12.0 | 55 | 28-30 | 15-18.5 | 35-45 |
| SJ65 | 3.0-16.0 | 65 | 28-30 | 30-37 | 55-88 |
| SJ75 | 4.0-25.0 | 75 | 28-30 | 37-45 | 75-100 |

PVC/PP/PE/PS/ABS/PMMA PRECISION PROFILE EXTRUSION LINE

PVC/PP/PE/PS/ABS/PMMA精密异型材挤出生产线

Features and application

Production lines include high-efficiency single- or twin-screw extruders, setting tables, tractors and precision cutting machines. It can meet the extrusion processing of various materials such as PVC, PP, PE, PS, PC, ABS, PMMA, etc.; reasonable die design, excellent material selection, and precise manufacturing; can cooperate with double-station or multi-station tractors and cutting equipment to achieve a High-efficiency extrusion production with multiple molds; three-dimensional adjustment of the vacuum setting table, reasonable arrangement of vacuum adjustment points and water flow adjustment points, and precise control, which can adapt to the installation of a variety of molds; saw blade cutting machine uses a special design saw blade, PLC program Control, the cut is smooth and smooth to ensure the cutting accuracy of the product.



主要技术参数 Main technical specifications

| Model | YF50 | YF80 | YF120 | YF180 |
|---------------------------------------|------|------|-------|-------|
| Profile width(mm) | 50 | 80 | 120 | 180 |
| Auxiliary installed power(kw) | 7.5 | 9.5 | 13 | 19.5 |
| Cooling water flow(m ³ /h) | 3 | 4 | 5 | 6 |
| Compressed air pressure(Mpa) | 0.6 | 0.6 | 0.6 | 0.6 |

PVC/TPE/TPV SEALING STRIP EXTRUSION LINE

PVC/TPE/TPV密封条挤出生产线

Features and application

Production lines include high-efficiency single-screw extruders, sizing sinks, tractors and cutters or double-station winders. Designed high-performance single screw extruder or multiple co-extrusion, supporting precision profile molds and different combinations of auxiliary machine lines, can process PVC / SPVC, TPE, TPV (TPO, TPU) and other materials and different types (Hard, soft, combination of soft and hard, lined with alloy skeleton, metal fixtures, tongue buckle, etc.) Automotive seals and building decoration seals, and seals for general machinery and equipment are widely used.



主要技术参数 Main technical specifications

| Model | SJ50 | SJ65 | SJ75 | SJ90 |
|---------------------------------------|------|------|------|------|
| Section width(mm) | 30 | 50 | 90 | 120 |
| Production speed(m/min) | 20 | 15 | 10 | 10 |
| Installed power about(kw) | 26 | 48 | 60 | 70 |
| Cooling water flow(m ³ /h) | 4 | 6 | 6 | 7 |
| Compressed air pressure(Mpa) | 0.6 | 0.6 | 0.6 | 0.6 |

PVC/ABS ROLLING DOOR EXTRUSION LINE

PVC/ABS卷帘门挤出生产线

Features and application

The production line includes high-efficiency single-screw extruder, setting table, traction machine and precision cutting machine. Specially designed screws and barrels are suitable for the extrusion processing of ABS / PVC and other plastics to ensure full plasticization and stable extrusion of the material; the electric setting table is moved electrically and can be adjusted in three dimensions; stable cooling water and vacuum pressure Product size accuracy and stability; the cutting machine is cut by mechanical fixed length or encoder length measurement, which can achieve an accurate error of +/- 1mm for each length of the product.



主要技术参数 Main technical specifications

| | | |
|------------------------------|-------|----------|
| Model | YF50 | YF80(双出) |
| Profile width(mm) | 50 | 80 |
| Model | SJ55 | SJ75 |
| Traction speed(m/min) | 0.5-5 | 0.5-5 |
| Compressed air pressure(Mpa) | 0.6 | 0.6 |



PP/PE/PVC PLASTIC EXTRUSION LINE

PP/PE/PVC 塑料焊条挤出生产线

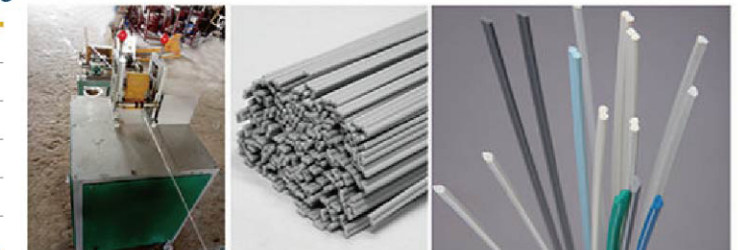
Features and application

The production line includes high-efficiency single-screw extruder, hot water tank and cold water tank, four-roll slotted PU wheel tractor or belt tractor, and two-station winder. Specially designed screw and barrel are suitable for extrusion processing of PP/ PE/ PVC and other plastics to ensure full plasticization and stable extrusion of materials; hot water tank or cold water tank can be adjusted up and down and back and forth; stable traction device To ensure the accuracy and stability of product dimensions.



主要技术参数 Main technical specifications

| | | |
|------------------------------|---------------|---------------|
| Model | YF50 | YF50 |
| Sink length(m) | 4 | 6 |
| Model | SJ35 | SJ45 |
| Traction speed(m/min) | 0.5-25 | 0.5-45 |
| Winding position | Twin position | Twin position |
| Compressed air pressure(Mpa) | 0.6 | 0.6 |



PVC CONICAL TWIN SCREW GRANULATION EXTRUSION LINE

PVC锥形双螺杆造粒挤出生产线

Features and application

PVC conical twin-screw pelletizing extrusion production line is a complete set of equipment consisting of a conical twin-screw extruder and corresponding granulating auxiliary machines. It is mainly suitable for pelletizing with PVC powder and filler. The plastic granules produced are uniform, dense and beautiful. The auxiliary machine adopts die face pelletizing and air feed aggregate. It has the characteristics of high degree of automation and high production efficiency.

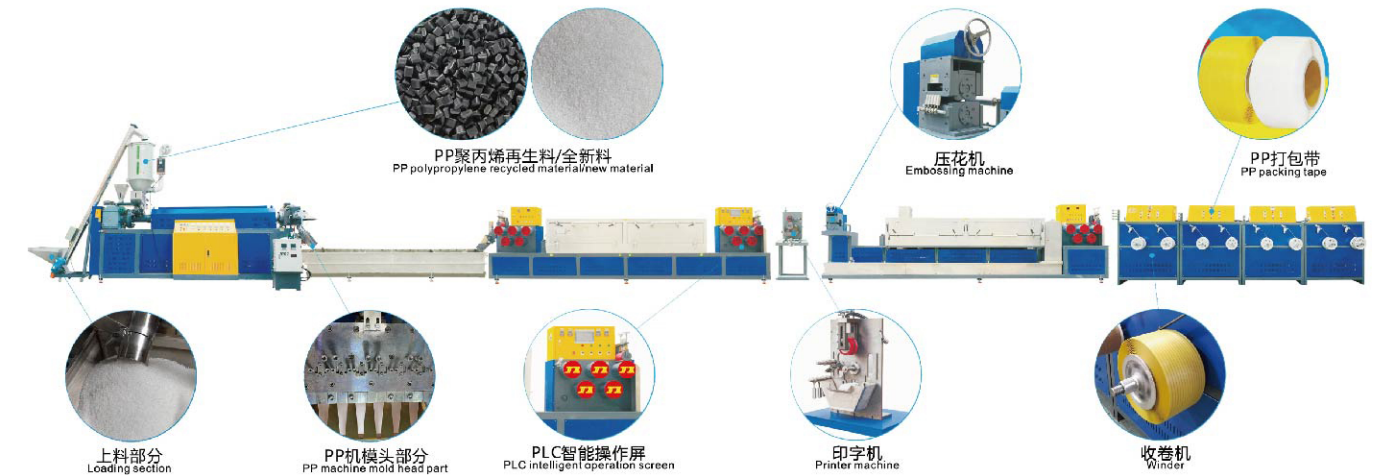


主要技术参数 Main technical specifications

| Model | Screw size(mm) | Pellet size(mm) | Power of main motor(kw) | Output(kg/h) |
|--------|----------------|-----------------|-------------------------|--------------|
| SJSZ65 | 65/132 | 3-5 | 37 | 220-260 |
| SJSZ80 | 80/156 | 3-5 | 55 | 320-450 |

PP PACKING STRAP EXTRUSION LINE

PP打包带生产线

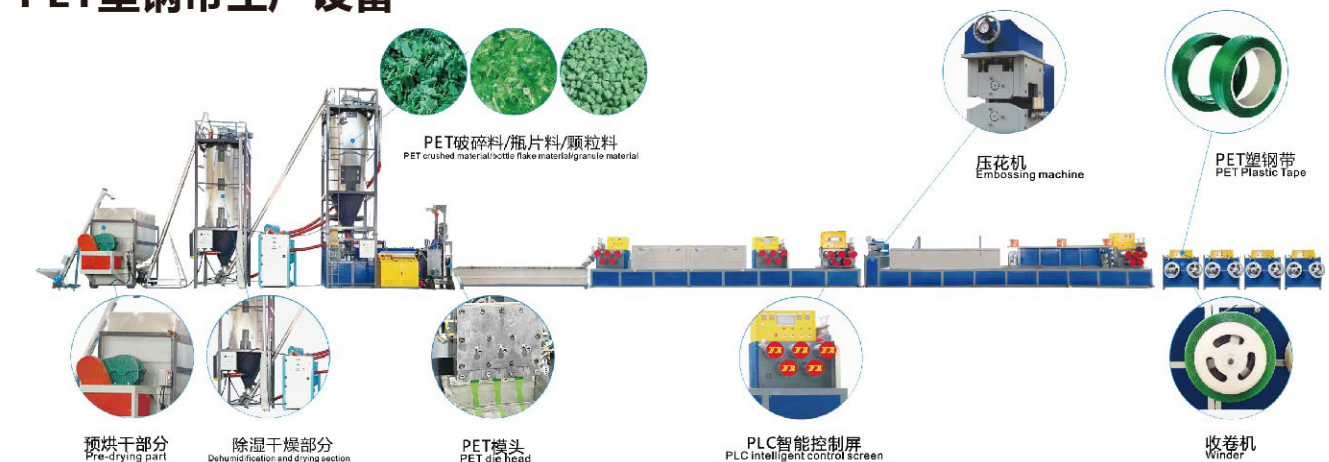


主要技术参数 Main technical specifications

| Model single extruder | SJ-65 | SJ-80 | SJ-90 |
|-----------------------|------------------------------|--------------|---------------|
| Main Motor (kw) | 18.5 | 22 | 30 |
| Capacity (kg/h) | Around 50-60 | Around 70-80 | Around 80-100 |
| Straps (m/min) | 80-120 adjustable | | |
| Width | 5mm-12mm, 12-19mm adjustable | | |
| Thickness | 0.5mm-1.0mm adjustable | | |

PET PACKING STRAP EXTRUSION LINE

PET塑钢带生产设备



主要技术参数 Main technical specifications

| Model single extruder | SJ-65/33 single extruder | SJ-75/33 | SJ90/33 |
|-----------------------|------------------------------|----------------|----------------|
| Main Motor(kw) | 22 | 37 | 55 |
| Capacity (kg/h) | Around 50-100 | Around 100-150 | Around 150-200 |
| Width | 5mm-19mm, 19-25mm adjustable | | |
| Thickness | 0.6mm-1.2mm adjustable | | |

SRL-Z SERIES MIXER UNIT

SRL-Z系列混合机组



主要技术参数 Main technical specifications

| 型号/规格 Model/Specs | SRL-Z100/200 热混/冷混 Hot mixing/cold mixing | SRL-Z200/500 热混/冷混 Hot mixing/cold mixing | SRL-Z300/600 热混/冷混 Hot mixing/cold mixing | SRL-Z500/1000 热混/冷混 Hot mixing/cold mixing | SRL-Z800/1600 热混/冷混 Hot mixing/cold mixing |
|---------------------------------|--|---|---|--|--|
| 总容积 Total cubage(L) | 100/200 | 200/500 | 300/600 | 500/1000 | 800/1600 |
| 有效容积 Effective cubage(L) | 65/130 | 150/320 | 225/380 | 375/650 | 600/1050 |
| 搅拌浆转速 Mixing speed(rpm) | 650/1300/80 | 475/950/80 | 475/950/80 | 430/860/60 | 370/740/50 |
| 加热冷却方式 Heating & cooling manner | 电加热、自摩擦/水冷 electric heating self-friction/ water cooling | | | | |
| 混合时间 Mixing time(min/batch) | 8-12 | 8-12 | 8-12 | 8-12 | 8-15 |
| 电机功率 Motor power (kw) | 14/22/7.5 | 30/42/11 | 40/55/11 | 47/67/15 | 83/110/22 |
| 外形尺寸 Dimension(L x W x H)(mm) | 1950 x 1600 x 1800 | 4580 x 2240 x 2470 | 4800 x 2640 x 2480 | 4600 x 3000 x 4050 | 5170 x 3200 x 4480 |
| 重量 Weight(kg) | 2200 | 3400 | 3600 | 4800 | 6200 |

主要技术参数 Main technical specifications

| 型号/规格 Model/Specs | SRL-W500/1600 | SRL-W800/2000 | SRL-W800/2500 | SRL-W800 x 2/4000 | SRL-W1000/2500 |
|---------------------------------|------------------------------------|---------------|---------------|-------------------|----------------|
| 总容积(L) Total cubage | 500/1600 | 800/2000 | 800/2500 | 1600/4000 | 1000/2500 |
| 有效容积(L) Effective cubage | 330/1000 | 560/1400 | 600/1500 | 1120/2700 | 700/1750 |
| 搅拌浆转速(r/min) Mixing speed | 430/860/70 | 330/660/55 | 330/660/60 | 350/700/65 | 350/700/50 |
| 加热冷却方式 Heating & cooling manner | 自摩擦/水冷 self-friction/water cooling | | | | |
| 混合时间(min) Mixing time | 8-12 | 8-12 | 8-12 | 8-12 | 8-12 |
| 电机功率(KW) Motor Power | 47/67/15 | 83/110/22 | 83/110/30 | 83/110 x 2/45 | 83/110/22 |
| 卸料方式 Discharge method | 气动Pneumatic | 气动Pneumatic | 气动Pneumatic | 气动Pneumatic | 气动Pneumatic |

CRUSHER & Pulverizer unit

塑料破碎磨粉生产线



主要技术参数 Main technical specifications

| Model | SWP-1200 | SMW-800 | SLJ200/219 | CLC-200 | | |
|-----------------|----------------|----------------|----------------------|--------------------|--------------|----------------------------|
| Motor Power | 75/90kw | 75/90kw | 1.5/4kw | Capacity 2T | | |
| Rotary Diameter | 560 | 800 | 219 | Material 304 Steel | | |
| Main Shaft Type | Claw Blade | V Blade | Rotary Blade | Grinding Blade | Spiral blade | Frame 80*80 Steel |
| Number of Blade | 39/6 | 16/6 | 46/25 | 2 | Customized | Material level alarm light |
| Feeder Size | 1300*60 | 285*258*285 | Flange connection | Pulse dust removal | | |
| Mesh Size | φ14mm | φ0.4mm | Material level meter | | | |
| Machine Size | 2300*2500*2850 | 4100*3600*4300 | Customized | | | |
| Machine Weight | 4000KG | 3800KG | 200KG | | | |
| Total Power | 270kw | | | | | |

PP EVA PET PULVERIZER PP EVA PET磨粉机

应用材料为EVA,PP,PET粒子或者碎片，原料尺寸不超过12mm，成品粉的目数在20-80目之间。粉的目数可以调节。
Adopted material is EVA ,PP,PET pellet, or flakes that the size not surpass the 12mm. Final powder mesh size in general is between 20-80mesh. The powder mesh size is adjustable.

主要技术参数 Main technical specifications

| Item | Model | SMF400 | SMF500 | SMF600 | SMF800 |
|---------------------------|-------|----------------|----------------|----------------|----------------|
| Diameter of milling blade | | 400mm | 500mm | 600mm | 800mm |
| Main motor power | | 30KW | 45KW | 55KW | 90KW |
| Blade material | | SKD-11 or D53 | SKD-11 or D53 | SKD-11 or D53 | SKD-11 or D53 |
| Capacity | | Around 100kg/h | Around 200kg/h | Around 250kg/h | Around 350kg/h |



HDPE,LLDPE, SOFT PVC ETC PULVERIZER HDPE,LLDPE, SOFT PVC ETC 磨粉机



应用材料为 HDPE,LLDPE, soft PVC等粒子或者碎片，原料尺寸不超过12mm，成品粉的目数在20-80目之间。粉的目数可以调节。

Adopted material is HDPE,LLDPE, soft PVC etc pellet, or flakes that the size not surpass the 12mm. Final powder mesh size in general is between 20-80mesh. The powder mesh size is adjustable.

主要技术参数 Main technical specifications

| Item | Model | MF400 | MF500 | MF600 | MF800 |
|---------------------------|-------|---------------|---------------|---------------|---------------|
| Diameter of milling blade | | 400mm | 500mm | 600mm | 800mm |
| Main motor power | | 30KW | 45KW | 55KW | 90KW |
| Blade material | | SKD-11 or D53 | SKD-11 or D53 | SKD-11 or D53 | SKD-11 or D53 |
| Capacity | | 100-150kg/h | 150-250kg/h | 250-350kg/h | 350-450kg/h |

HARD PVC PULVERIZER 硬PVC磨粉机

应用材料为硬PVC等粒子或者碎片，原料尺寸不超过12mm，成品粉的目数在20-80目之间。粉的目数可以调节。

Adopted material is only hard PVC pellet, or flakes that the size not surpass the 12mm. Final powder mesh size in general is between 20-80mesh. The powder mesh size is adjustable.



| Item | Model | SMW400 | SMW500 | SMW600 | SMW800 |
|-----------------------|-------|---------------------|---------------------|---------------------|---------------------|
| Rotary blade quantity | | 18 | 24 | 28 | 40 |
| Fixed blade quantity | | 10 | 12 | 15 | 20 |
| Main motor power | | 30KW | 45KW | 55KW | 75KW |
| Blade material | | High Chromium Alloy | High Chromium Alloy | High Chromium Alloy | High Chromium Alloy |
| Capacity | | 100-150kg/h | 150-250kg/h | 350-500kg/h | 500-800kg/h |

SWP SERIES PLASTIC CRUSHER SWP系列破碎机

应用：

破碎各种废旧塑料管材型材等材料达到回收的目的

Application:

Crush waste plastic pipes and plastic profiles for the purpose of recycling



主要技术参数 Main technical specifications

| Model | SWP-400 | SWP-500 | SWP-630 |
|-----------------------------|----------------|----------------|----------------|
| Diameter of Rotating blades | 400mm | 500mm | 630mm |
| Rotating blade quantity | 5 | 5 | 5 |
| Rotating speed | 520r/min | 500r/min | 500r/min |
| Fixed blade quantity | 2 | 2 | 4 |
| Max Crushing capacity | 150-250kg/h | 300-450kg/h | ≥500kg/h |
| Power(kw) | 15KW or 18.5KW | 18.5KW or 22KW | 37KW |
| Size of mesh screen | 10mm | 10mm | 10mm |
| Feeding mouth(mm) | 390*350 | 575*320 | 690*480 |
| Weight(kg) | 1100 | 1280 | 1800 |
| Size(mm) | 1900*1200*1600 | 2300*1300*1800 | 2500*1400*2000 |