

PICTURE ALBUM

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企业宣传册

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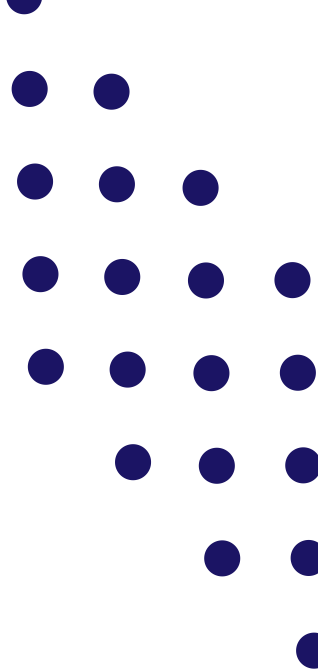
官方网站 WEBSITE

One-top service for fiber optic cable equipment.
wire cable making machine, cable twisting machine.

The Company

企业简介

We are the professional manufacture for fiber optic cable machinery, such as Fiber coloring machine, secondary coating line, SZ stranding line, sheathing line, fiber ribbon machine, as all kinds of indoor cable production line.



We are established in 2015 with Dongguan gongfei smart technology. To satisfy with foreign market demands and better service for customers, from 2021, We have set up experience pre-sale service and After-sale service team with new company.: Dongguan Wirecan Technology Co.Ltd. We are a professional and high-quality Fiber optic cable equipment, wire and cable making machine, cable twisting machine manufacturer in china, we have 100% quality assurance, excellent engineer and production after service team. Not only we provide machine, but also we provide the technology for how to produce optical cable.

From 2019, we set up India sale service and technology support office: Sokhi extrusion (deals in : extruder plants, optical fiber cable machine). During these years, We're working hard to sell our products to all over the country and the world. In the meantime, we have accept customer's consistent favourable comment in quality and delivery.



Pre-sale service

Own excellent management and sales team, can provide whole factory planning design, cost accounting and related resources integration; Helping customers to do the professional production line solution planing.

After-sale service

Own a group of mature technology and experienced engineers, can provide equipment training and high-quality after-sale service for foreign customers; Not only we provide machine, but also we provide the technology for how to produce optical cable.

Quality assurance

Survive by quality, develop by credibility. We have professional processing equipment, and advance technology, skilled assembly workers, professional commissioning and technology engineers for final equipment test before delivery.

Other service

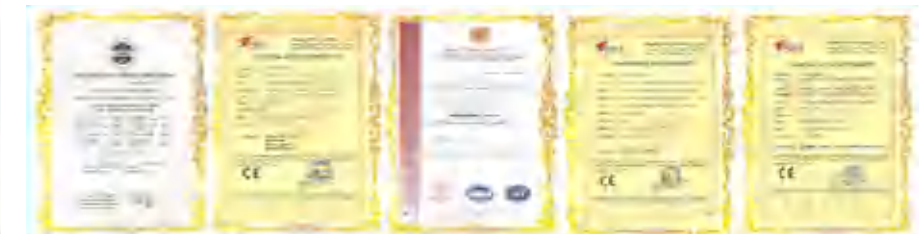
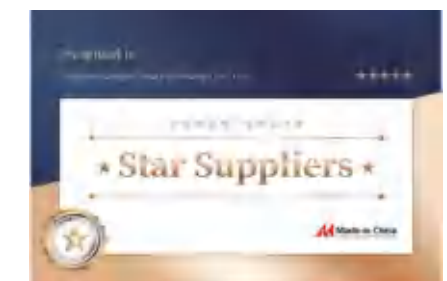
Can provide high-quality raw material and related accessories suppliers for foreign customers.



ABOUT US

关于我们

We are a professional and high-quality
 Fiber optic cable equipment , wire and
 cable making machine, wire twisting
 machine manufacturer in china.



WRK-ZS-2200着色机

Optical Fiber Coloring&Rewinding Machine



设备用途：

FBK-ZS2000型光纤着色复绕机主要用于SM、MM光纤全色谱着色，便于束管中的多根光纤的识别，同时该设备还可以用于光纤的复绕分段。

设备特点：

使用进口UV固化炉，有效提高着色的固化效果。设备采用德国西门子300系列PLC控制，自动化程度高，可以一人操作多台设备。

Equipment Application:

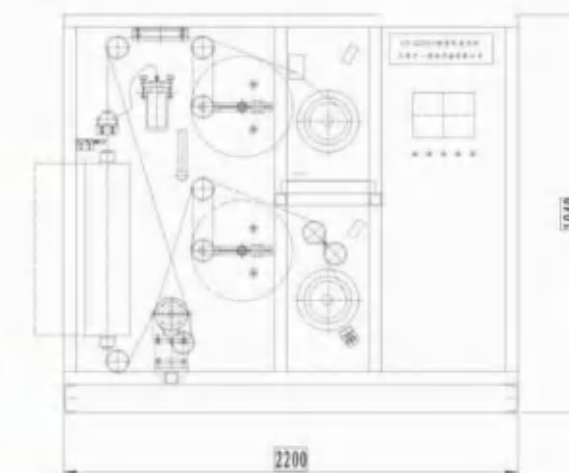
FBK-ZS2000 type fiber optic coloring and rewinding machine is mainly used for SM, MM fiber full chromatography coloring, which is convenient for identification of multiple fibers in the beam tube. At the same time, the device can also be used in fiber rewinding segments.

Equipment Features:

The use of imported UV curing furnace, effectively improve the curing effect of coloring. The equipment is controlled by SIEMENS 300 series PLC from Germany. It has high automation and can operate more than one machine by one person.

技术参数 Technical Parameter

结构速度 Structure speed	2000m/min
收、放线张力 Tension of take up &pay off	0.3-1.2N ± 0.05N
收、放线盘规格 Bobbin of take up &pay off	φ 236* φ 160*108* φ 25.4mm(外径*内径*盘宽*轴孔)25KM φ 265* φ 160*225* φ 25.4mm(外径*内径*盘宽*轴孔)50KM
附加损耗 Additional loss	≤0.02db/km(SM光纤)
供电电源 Power supply	AC380V ± 10% 50HZ 三相五线
装机容量 Installed capacity	18KW
外形尺寸 Outside size	2.1M(L)*1.5M(W)*1.9M(H)
设备重量 Equipment weight	850KG



WRK-SG-50光纤二次套塑生产线

Optical Fiber Secondary Coating Extrusion Line

设备用途：

主要用于1-12芯光纤充油松套束管的挤出生产，挤出材料适用于改良性PP和PBT。

Equipment Application:

The model is mainly used for extrusion production of 1-12 core optical fiber filled Chinese pine bundle tube, and extrusion material is suitable for modifying benign PP and PBT.



设备特点：

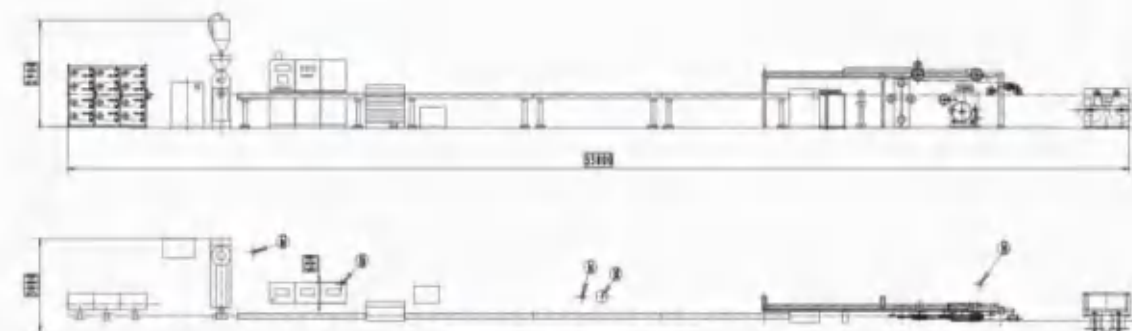
1. 光纤放线采用主动放线装置，放线张力稳定可靠，张力可调。
2. 挤出机采用专用螺杆，挤出线性好，挤出效率高。
3. 油膏采用专业的除气泡填充装置，除气泡效果好，充油装置采用精密计量泵，充油填充稳定，补油采用精密称重装置，保证及时补充油膏。
4. 收线采用双盘自动换盘，不减速自动换盘，生产效益高。
5. 控制系统采用国际流行工业计算机控制技术，自动化程度高，可链接MES、ERP系统，实时跟踪管理生产。
6. 主要控制系统及元器件采用国际知名品牌，生产线具有较高的稳定性和可靠性。

Equipment Features:

1. Pay off adopts the active pay off device, the tension is stable and reliable, and the tension is adjustable.
2. Extruder adopts special screw, good extrusion linear, high extrusion efficiency.
3. Grease use professional except bubble filling device, in addition to bubble effect is good, oil filled device adopts precision metering pump, oil filled filling stability, oil supplement using precision weighing device, ensure timely supplement ointment.
4. Take-up adopts double bobbin automatic change bobbin, not slow down, automatic change bobbin, high production efficiency.
5. Control system adopts the international popular industrial computer control technology, automation is high, can link MES, ERP system, real-time tracking management production.
6. The main control systems and components using internationally renowned brands, production lines with high stability and reliability.

技术参数 Technical Parameter

结构速度 Structure speed	500m/min
光纤芯数 Fiber core number	1-12芯
装盘规格 Bobbin of pay off	标准光纤盘25KM和50KM
收线盘规格 Bobbin of take up	φ800MM
附加损耗 Additional loss	≤0.02db/km(SM光纤)
生产线长度 Line length	≤35M
供电要求 Power supply	AC380V ± 10% 50HZ 三相五线
装机功率 Power	≈ 70KW



WRK-DT-12P光纤带二次套塑生产线

Optical Fiber Ribbon Secondary Coating Extrusion Line

设备用途：

主要用于光纤带的二次套塑生产，挤出材料适用于改良性PP和PBT。

Equipment Application:

It is mainly used for two times plastic cover production of optical fiber ribbon, extrusion material is suitable for modifying benign PP and PBT.



设备特点：

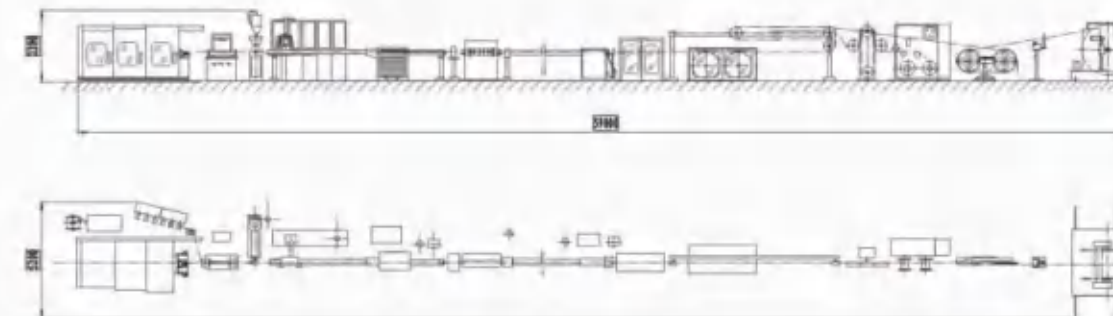
- 1.挤出束管外径圆整、直径均匀、光滑，升降速时外径波动小。
- 2.光纤带放带绞体装盘方便，在旋转时不会垮带。
- 3.油膏采用专业的除气泡填充装置，除气泡效果好，充油装置采用精密计量泵，充油填充稳定，补油采用精密称重装置，保证及时补充油膏。
- 4.收线采用盘式行走式收线。
- 5.控制系统采用国际流行工业计算机控制技术，自动化程度高，可链接MES、ERP系统，实时跟踪管理生产。
- 6.主要控制系统及元器件采用国际知名品牌，生产线具有较高的稳定性和可靠性。

Equipment Features:

- 1.The outer diameter of the extrusion tube is round, the diameter is uniform and smooth, and the fluctuation of the outer diameter is small when the speed is raised and the speed is small.
- 2.The install of optical fiber ribbon stranding body is convenient, can not collapse while rotating.
- 3.Grease use professional except bubble filling device, in addition to bubble effect is good, oil filled device adopts precision metering pump, oil filled filling stability, oil supplement using precision weighing device, ensure timely supplement ointment.
- 4.Take-up adopts double bobbin automatic change bobbin, not slow down, automatic change bobbin, high production efficiency.
- 5.Control system adopts the international popular industrial computer control technology, automation is high, can link MES,ERP system, real-time tracking management production.
- 6.The main control systems and components using internationally renowned brands, production lines with high stability and reliability.

技术参数 Technical Parameter

结构速度 Structure speed	100m/min
光纤盘数 Fiber bobbin number	1-12盘
光纤带放带张力 Tension of pay off	1.8-2.5N
收线盘规格 Bobbin of take up	4.0-12.0MM
套管直径 Casing dia.	≤0.02db/km(SM光纤)
供电要求 Power supply	AC380V ± 10% 50HZ 三相五线
装机功率 Power	≈70KW



WRK-SZ-6P(18P)光缆束管SZ成缆机

Optical Cable "SZ" Twisting & Cabling Machine

设备用途：

主要用于3.5MM以下松套管的SZ绞合成缆。

Equipment Application:

The model machine mainly used for "SZ" twisting and cabling below 3.5MM the loose sleeve.



设备特点：

- 1.束管放线采用主动放线装置，放线张力稳定可靠，松套管最多数量可以达到12根。
- 2.SZ绞合采用全差动式结构，绞合节距稳定。
- 3.扎纱采用双头单点双向十字扎纱方式，纱线张力采用分段式控制，稳定可靠。
- 4.生产线具有张力超限、放线断线、阻水带断带等声光报警。
- 5.控制系统采用国际流行工业计算机控制技术，自动化程度高，可链接MES、ERP系统，实时跟踪管理生产。
- 6.主要控制系统及元器件采用国际知名品牌，生产线具有较高的稳定性和可靠性。

Equipment Features:

1. Pay off adopts active pay off device, the tension is stable and reliable, and the maximum number of loose tube can reach 12.
2. SZ twisting with full differential structure, stranding pitch stability.
3. The yarn adopts double heads, single point and two-way cross tie yarn way, the yarn tension is controlled by sectional type. It is stable and reliable.
4. The production line has tension exceeding limit, pay off and broken wire, waterproof belt, broken band and so on sound light alarm.
5. Control system adopts the international popular industrial computer control technology, automation is high, can link MES, ERP system, real-time tracking management production.
6. The main control systems and components using internationally renowned brands, production lines with high stability and reliability.

技术参数 Technical Parameter

结构速度 Structure speed	100m/min
束管数量 Number of beam tube	6-12根
SZ绞合节距 SZ stranding pitch	50-800mm
SZ反向角度 SZ reverse angle	$\pm 4\pi - \pm 24\pi$
SZ最大转速 SZ Max. speed	Max 1800 rpm
扎纱机最大转速 Yarn machine max. speed	Max 4000 rpm
扎纱节距 Yarn pitch	20mm-500mm
附加损耗 Additional loss	$\leq 0.02\text{db/km}(1550\text{nm})$
生产线长度 Line length	$\leq 40\text{m}$
供电要求 Power supply	AC380V $\pm 10\%$ 50HZ 三相五线
装机功率 Power	$\approx 40\text{KW}$



WRK-GHT-90/120护套生产线

Optical Cable Sheath Extrusion Line

设备用途：

本设备主要用于光缆的内外护套挤出生产。

Equipment Application:

This equipment is mainly used for the extrusion of the inner and outer sheath of the optical cable.



设备特点：

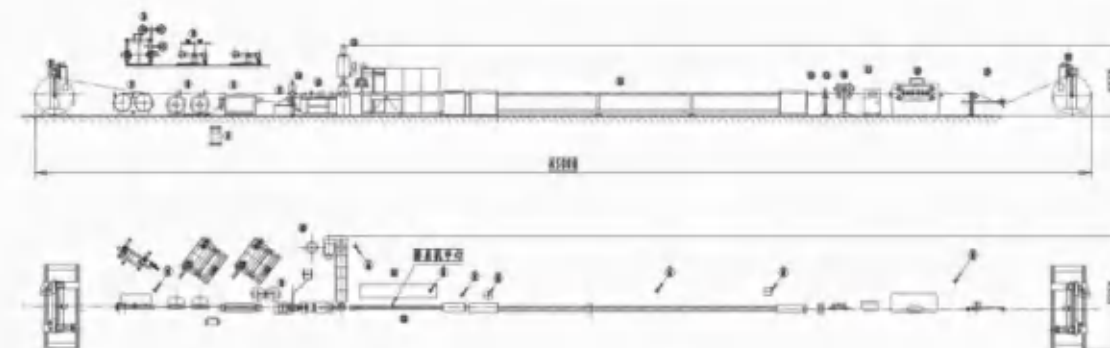
- 1.适用材料为PVC、LDPE、MDPE、HDPE、LSZH.
- 2.温度控制采用进口OMRON温控表控制，温度控制精确。
- 3.生产线系统可以通过直径反馈功能，自动调整线径的外径大小，线径稳定。
- 4.控制系统采用国际流行工业计算机控制技术，自动化程度高，可链接MES、ERP系统，实时跟踪管理生产。
- 5.主要控制系统及元器件采用国际知名品牌，生产线具有较高的稳定性和可靠性。

Equipment Features:

1. Apply materials for PVC, LDPE, MDPE, HDPE, LSZH.
2. Temperature control adopts imported OMRON temperature control meter, and temperature control is accurate.
3. The production line system can automatically adjust the outer diameter of the wire diameter and the diameter stability through the diameter feedback function.
4. Control system adopts the international popular industrial computer control technology, automation is high, can link MES, ERP system, real-time tracking management production.
5. The main control systems and components using internationally renowned brands, production lines with high stability and reliability.

技术参数 Technical Parameter

结构速度 Structure speed	100m/min
护套外径 O.D	φ 6.0-35mm
缆芯最大直径 Max. cores dia.	φ 30mm
挤出机 Extrusion	90+40或120+40
放线盘规格 Bobbin of pay off	φ 800-φ 1600mm
收线盘规格 Bobbin of take up	φ 1000-φ 2000mm
生产线长度 Line length	≤55m
供电要求 Power supply	AC380V ± 10% 50HZ 三相五线
装机功率 Power	≈130KW



WRK-JT-30紧包光纤挤出生产线

Tight Buffered Fiber Extrusion Line

设备用途：

本设备主要用于室内直径0.6mm和0.9mm的紧包光纤生产。

Equipment Application:

This equipment is mainly used for the production of compact fiber with indoor diameter 0.6mm and 0.9mm.



设备特点：

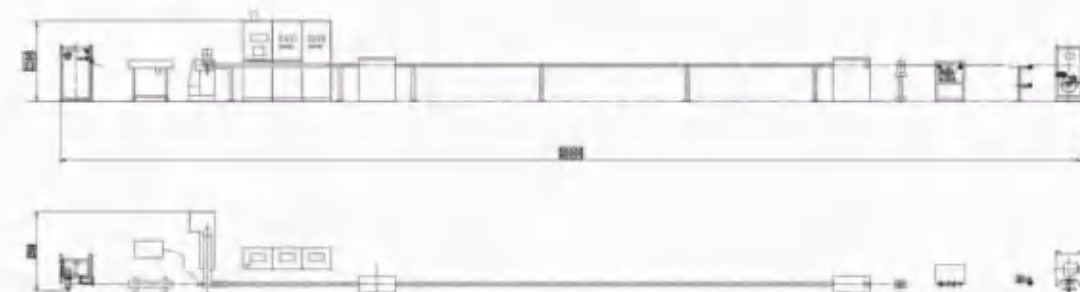
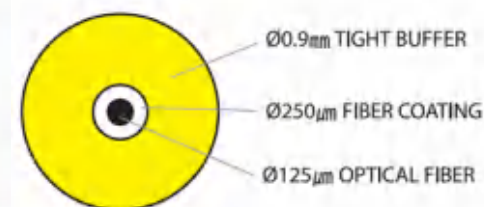
- 1.采用精密专用小型挤出机及精密微调机头，产品外径均匀，同芯度高，外径自动反馈，线径曲线记录可追溯查询。
- 2.抽真空系统真空度可调，可联动于线速度。
- 3.光纤主动放线。张力精密恒定，附加损耗小。
- 4.温度控制采用进口OMRON温控表控制，温度控制精确。
- 5.双盘自动收线，盘走式收排线，运行稳定、可靠。
- 6.控制系统采用国际流行工业计算机控制技术，自动化程度高，可链接MES、ERP系统，实时跟踪管理生产。
- 7.主要控制系统及元器件采用国际知名品牌，生产线具有较高的稳定性和可靠性。

Equipment Features:

- 1.Precision special small extruder and precision fine-tuning head, the product of uniform diameter, with high degree of core, automatic diameter feedback, wire diameter curve records traceable inquiries.
- 2.The vacuum system of the vacuum pumping system is adjustable, and can be linked to the linear speed.
- 3.Active pay off, The tension is precisely constant with little additional loss.
- 4.Temperature control adopts imported OMRON temperature control meter, and temperature control is accurate.
- 5.Double bobbin automatic take-up, moving type take-up, stable and reliable operation.
- 6.Control system adopts the international popular industrial computer control technology, automation is high, can link MES, ERP system, real-time tracking management production.
- 7.The main control systems and components using internationally renowned brands, production lines with high stability and reliability.

技术参数 Technical Parameter

结构速度Structure speed	350m/min
生产外径Production outside dia.	φ0.6-0.9mm
光纤张力 Fiber tension	0.4N-1.2N ±0.05N
收线张力 Tension of take up	0.5N-3N ±0.1N
放线盘规格 Bobbin of pay off	标准光纤盘standard optical fiber bobbin 25KM和50KM
收线盘规格 Bobbin of take up	φ200-φ400mm
附加损耗 Additional loss	≤0.02db/km(SM光纤)
生产线长度 Line length	≤22m
供电要求 Power supply	AC380V ± 10% 50HZ 三相五线
装机功率Power	~35KW



WRK-FTTH-50终端皮线光缆挤出生产线

Indoor and Outdoor FTTH Drop Cable Extrusion Line

设备用途：

本设备主要用于FTTH普通蝶形光缆的挤出生产，可生产3.0*2.0mm、5.0*2.0mm等各种规格的蝶形光缆。

Equipment Application:

This equipment is mainly used for extrusion production of FTTH ordinary butterfly fiber cable, and can produce butterfly fiber optic cables of various specifications such as 3.0*2.0mm, 5.0*2.0mm and so on.



设备特点：

- 1.采用精密专用挤出机及精密免调机头，挤出机适用材料有PVC和LSZH、PE等。
- 2.光缆外形表面平整光滑。
- 3.光纤主动放线。张力精密恒定，附加损耗小。
- 4.温度控制采用进口OMRON温控表控制，温度控制精确。
- 5.双盘自动收线，运行稳定、可靠，收线自动排线一次成型，无需复绕。
- 6.控制系统采用国际流行工业计算机控制技术，自动化程度高，可链接MES、ERP系统，实时跟踪管理生产。
- 7.主要控制系统及元器件采用国际知名品牌，生产线具有较高的稳定性和可靠性。



Equipment Features:

1. Precision special extruder and precision no-adjustable head, extruder applicable materials such as PVC and LSZH, PE and so on.
2. The shape of optical cable is smooth.
3. Active pay off. The tension is precisely constant with little additional loss.
4. Temperature control adopts imported OMRON temperature control meter, and temperature control is accurate.
5. Double bobbin automatic take-up, stable and reliable operation, one forming by automatic take-up and traversing, without rewinding.
6. Control system adopts the international popular industrial computer control technology, automation is high, can link MES, ERP system, real-time tracking management production.
7. The main control systems and components using internationally renowned brands, production lines with high stability and reliability.



技术参数 Technical Parameter

结构速度 Structure speed	190m/min
光纤张力 Fiber tension	0.4N-1.2N ±0.05N
附加损耗 Additional loss	≤0.015db/km
生产线长度 Line length	≤26m
供电要求 Power supply	AC380V ±10% 50HZ 三相五线
装机功率 Power	≈50KW

WRK-RGT-50型软光缆护套挤出生产线

Soft Optical Cable Sheath Extrusion Line

设备用途：

本设备主要用于单、双芯扁平分支软光缆、12芯微缆及束状软光缆生产。

Equipment Application:

The equipment is mainly used for single and double core flat branch soft optical cable, 12 cores micro cable and bundle soft optical cable production.



设备特点：

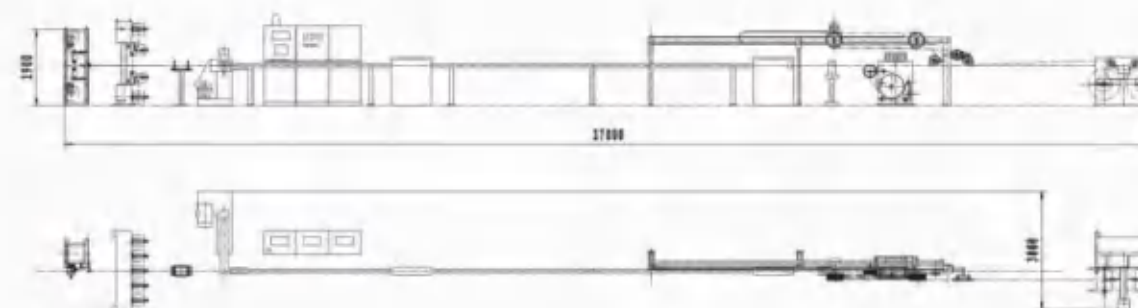
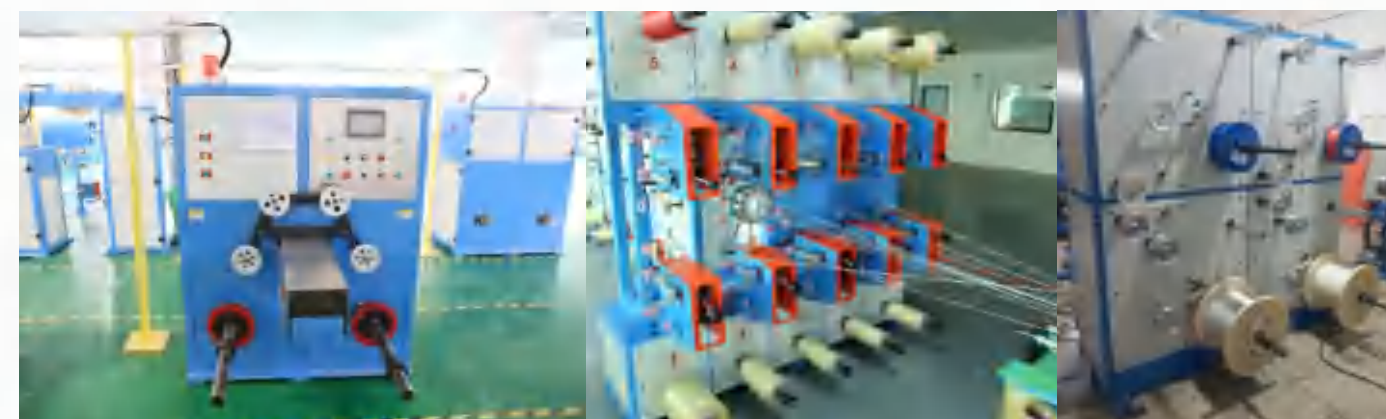
- 1.采用精密专用挤出机及精密微调机头，挤出机适用材料有PVC和LSZH、PE等。
- 2.光缆外形表面平整光滑。
- 3.线径自动反馈控制，线径历史曲线可以追溯查询。
- 4.光纤主动放线。张力精密恒定，附加损耗小。
- 5.温度控制采用进口OMRON温控表控制，温度控制精确。
- 6.双盘自动收线，运行稳定、可靠，收线自动排线一次成型，无需复绕。
- 7.控制系统采用国际流行工业计算机控制技术，自动化程度高，可链接MES、ERP系统，实时跟踪管理生产。
- 8.主要控制系统及元器件采用国际知名品牌，生产线具有较高的稳定性和可靠性。

Equipment Features:

- 1.Precision special extruder and precision fine-tuning head, extruder applicable materials such as PVC and LSZH, PE and so on.
- 2.The shape of optical cable is smooth and smooth.
- 3.Wire diameter automatic feedback control, the diameter history curve can be traced back to query
- 4.Active pay off. The tension is precisely constant with little additional loss.
- 5.Temperature control adopts imported OMRON temperature control meter, and temperature control is accurate.
- 6.Double bobbin automatic take-up, stable and reliable operation, one forming by automatic take-up and traversing, without rewinding.
- 7.Control system adopts the international popular industrial computer control technology, automation is high, can link MES,ERP system, real-time tracking management production.
- 8.The main control systems and components using internationally renowned brands, production lines with high stability and reliability.

技术参数 Technical Parameter

生产线速度Line speed	100-190m/min
紧包光纤直径 Tight buffered optical fiber dia.	φ0.6mm φ0.9mm
软光缆直径Soft optical cable dia.	φ1.6mm-φ12mm
紧包放线张力 Tension of pay off	1N-3N
芳纶纱 Aramid yarn	10路-16路
芳纶放线张力 Tension of aramid yarn	1N-3N
生产线长度Line length	≤30m
供电要求 Power supply	AC380V ± 10% 50HZ 三相五线
装机功率Power	~75KW



WRK-RGT-70型束装、分支光缆护套挤出生产线 Distribution and Breakout Optical Cable Sheath Extrusion Line

设备用途：

本设备主要用于室内束状、综合布线光缆（选配笼绞）等产品的生产。

Equipment Application:

The equipment is mainly used for the production of indoor bundle, integrated wiring optical fiber cable (Optional:cage stranding) and other products.



设备特点：

- 1.采用精密专用挤出机及精密微调机头，挤出机适用材料有PVC和LSZH、PE等。
- 2.光缆外形表面平整光滑。
- 3.线径自动反馈控制，线径历史曲线可以追溯查询。
- 4.光纤主动放线。张力精密恒定，附加损耗小。
- 5.温度控制采用进口OMRON温控表控制，温度控制精确。
- 6.双盘自动收线、运行稳定、可靠，收线自动排线一次成型，无需复绕。
- 7.控制系统采用国际流行工业计算机控制技术，自动化程度高，可链接MES、ERP系统，实时跟踪管理生产。
- 8.主要控制系统及元器件采用国际知名品牌，生产线具有较高的稳定性和可靠性。

Equipment Features:

- 1.Precision special extruder and precision fine-tuning head, extruder applicable materials such as PVC and LSZH, PE and so on.
- 2.The shape of optical cable is smooth and smooth.
- 3.Wire diameter automatic feedback control, the diameter history curve can be traced back to query
- 4.Active pay off. The tension is precisely constant with little additional loss.
- 5.Temperature control adopts imported OMRON temperature control meter, and temperature control is accurate.
- 6.Double bobbin automatic take-up, stable and reliable operation, one forming by automatic take-up and traversing, without rewinding.
- 7.Control system adopts the international popular industrial computer control technology, automation is high, can link MES,ERP system, real-time tracking management production.
- 8.The main control systems and components using internationally renowned brands, production lines with high stability and reliability.

技术参数 Technical Parameter

生产线速度 Line speed	100-190m/min
紧包光纤直径 Tight buffered optical fiber dia.	φ 0.6mm φ 0.9mm
软光缆直径 Soft optical cable dia.	φ 1.6mm- φ 12mm
紧包放线张力 Tension of pay off	1N-3N
芳纶纱 Aramid yarn	16路
芳纶放线张力 Tension of aramid yarn	1N-3N
生产线长度 line length	≤30m
供电要求 Power supply	AC380V ± 10% 50HZ 三相五线
装机功率 Power	~75KW



WRK-光缆辅助设备系列

Optical Cable Auxiliary Equipment



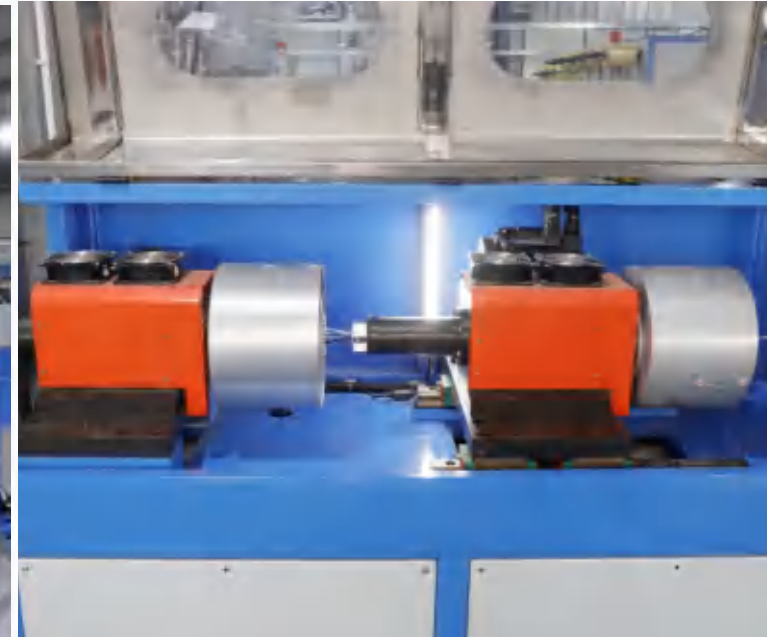
双盘自动收线机
Double bobbin automatic take up



光纤放线架
Optical fiber pay off device



松套管放线架
Loose tube pay-off



双头高速扎纱机
Dual head binding device



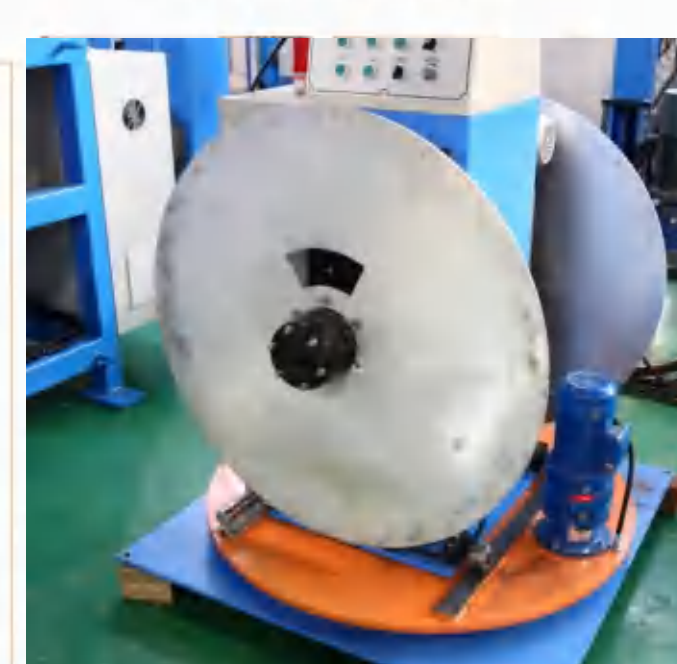
地轨式龙门收放线机
Portal pay-off and take-up



履带牵引机
Caterpillar



喷码机及色带印字计米
Ink jet printer and length number printer



钢铝带放带装置
Steel and aluminum tape pay-off

WRK-光缆辅助设备系列

Optical Cable Auxiliary Equipment



芳纶绞合机Aramid yarn stranding device



自动裁缆机 Drop cable cutting machine



钢铝带轧纹机Metal tape corrugating device



钢铝带储带装置 Steel and aluminum tape accumulator



螺旋铠装机Spiral armoring machine



钢铝带成型装置
Steel-Aluminum tape longitudinal forming device

WIRE
AND
CABLE
EQUIPMENT SERIES
电线电缆设备系列

WRK-UL-25~60电子线、芯线绝缘押出生产线

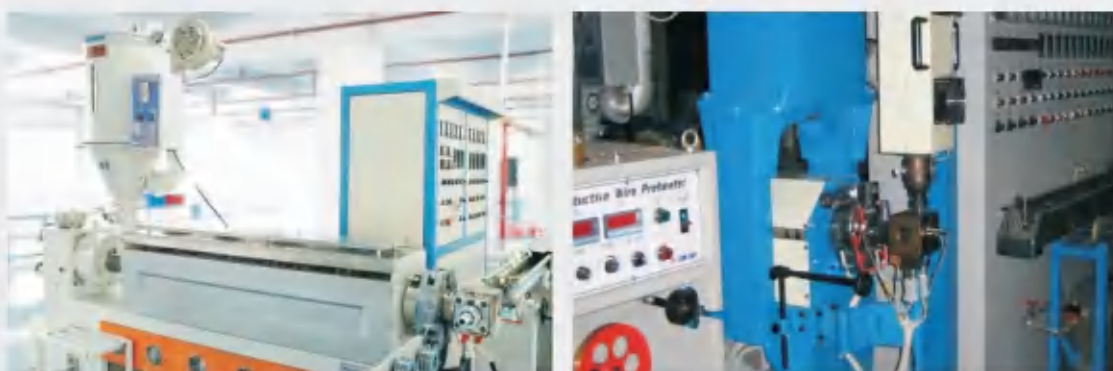
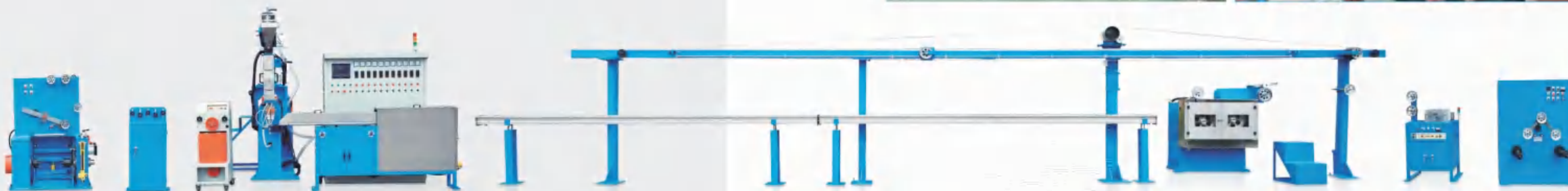
Electrical and Electronic Wires Extrusion Line

用途

适用于PVC、LDPE、XLPE、LSHF、NYLON、TPU、TPE等绝缘材料的电线电缆单层、双层、三层押出作业。

Application

It is suitable for single-layer, dual color, dual-layer and three layer extrusion operations in making wires and cables with such insulation materials as PVC, LDPE, XLPE, LSHF, NYLON and TPU,TPE.



双击修改文字

技术参数 Technical Parameter

机械型号Model	WRK-25	WRK-30	WRK-40	WRK-50	WRK-60
放线型式Pay-off type	主动式Active type	主动式Active type	双轴式Dual-shaft type	双轴式大轴式/无轴式 Double-shaft type/Big-shaft type/Shaft free type	单轴式大轴式/无轴式 Single-shaft type/Big-shaft type/Shaft free type
放线线盘Pay-off diameter(mm)	200/300	300/400	300/500	400/630	500/630
螺杆直径Screw diameter(mm)	25	30	40	50	60
螺杆直径比Screw diameter proportion	26 : 1	26 : 1	26 : 1	26 : 1	26 : 1
螺杆转速Bold speed (rpm)	10-110	10-110	10-100	10-80	10-80
押出量Output(kg/h)	12	38	50	70	80
喂料量Feeding speed(kg/h)	250	250	250	300	300
主机功率Host's power(kw)	5.5/7.5/11	5.5/7.5/11	18.5/22	30-37	30-37
线径规格Wire diameter(mm)	Φ0.2-1.0	Φ0.2-2.0	Φ0.4-2.5	Φ0.6-4.0	Φ0.8-8.0
冷却装置Cooling system	折叠式W型或单(双)层U型Fold away V shape or single(dual) layer U shape				
最大蓄线长度Max.accumulation length(m)	200	220	220	220	220
引取功率Take-up ratio(kw)	2.2	2.2	3.7-5.5	5.5	5.5
出线速度Linear speed(m/min)	0-600	0-600	0-400	0-400	0-400
收线型式Take-up type	双轴式孔装或轴装Double axis equipment/axis equipment				
收线线盘Take-up reel diameter(mm)	250/300	400/500	400/630	400/630	630
收线功率Take-up power	2.2	2.2	2.2	3.7/5.5	3.7/5.5

WRK-UL-25~60电子线、芯线绝缘押出生产线

WRK-DHT-65~200 Type Sheath、Power Cable、Building Wire Extrusion Line

设备用途：

本设备主要用于PVC、PE、PU等塑料挤出，跟换螺杆可适用低烟无卤、尼龙等塑料挤出。主要用于汽车电线、网络线、电源线、数据线、高频线等绝缘线生产。

设备特点：

- 1、双轴放线架（大轴放线架）线径自动反馈控制。
- 2、温度控制采用进口OMRON（阳明）温控表控制，温度控制精确。
- 3、双盘自动收线（大收线架），运行稳定、可靠。
- 4、可选配主动放线架、PLC控制、工业计算机、注条机（用于单双色或双层线生产），可根据客户要求调整。
- 5、主要控制系统及元器件采用国际知名品牌，生产线具有较高的稳定性和可靠性。

Equipment Application:

The equipment is mainly used in PVC, PE, PU and other plastic extrusion, with screw replacement, suitable for low smoke, halogen free, nylon and other plastic extrusion. Mainly used in auto cable, networks cable, power wire, data wire, high-frequency wire and other insulated wire production.

Equipment Features:

- 1、Automatic feedback control of wire diameter + double axle pay off (big axle pay off).
- 2、The temperature control adopts imported OMRON temperature control, and the temperature control is precise.
- 3、Double disk automatic take-up (large take-up frame), stable and reliable operation.
- 4、Can be equipped with active pay off frame, PLC control, industrial computer, injection machine (for single color, double color or double layers to product), according to customer requirements adjustment.
- 5、The main control system and components adopt international famous brand, and the production line has higher stability and reliability.



民用建筑线、绝缘护套押出生产线
Housing wire/insulation sheathing extrusion line

电缆线押出生产线
Power cable extrusion line



技术参数 Technical Parameter

机型 Machine model	放线型式 Pay-off line type	放线线轴(mm) Pay-off bobbin size	螺杆直径(mm) Screw diameter	螺杆长径比 L/D of screw	挤出量kg/hr Extrusion capacity	主机功率 Main unit power	线径规格(mm) Wire spec.	冷却装置 Cooling device	储线长度(m) Accumulator capacity	引取功率 Capstan power	出线速度 Wire speed	收线型式 Take-up line type	收线线轴 Receiving reel	收线功率 Take-up line power
FBK-65	双轴式/动力甩桶式 Double axes/Dynamic dump take-up	PN400-630	Φ65	25:1 BM型 type	100	20HP	Φ0.8-8	单层/双层 Single layer/Double	250	3HP	MAX500	双轴扎装/轴装/摆盘卷装 Double axes bundle packing/axis packing/swaying tray coiler packing	PN500-630	3HP
FBK-70	双轴式/动力甩桶式 Double axes/Dynamic dump take-up	PN400-630	Φ70	25:1 BM型 type	140	30HP	Φ1.5-12	单层/双层 Single layer/Double	200	5HP	MAX500	双轴扎装/轴装/摆盘卷装 Double axes bundle packing/axis packing/swaying tray coiler packing	PN500-630	5HP
FBK-80	双轴式/动力甩桶式 Double axes/Dynamic dump take-up	PN400-630	Φ80	25:1 BM型 type	200	40HP	Φ2-20	单层/双层 Single layer/Double	200	7.5HP	MAX450	双轴扎装/轴装/摆盘卷装 Double axes bundle packing/axis packing/swaying tray coiler packing	PN500-630	5HP
FBK-90	双轴式 Double axis way	PN630-800	Φ90	25:1 BM型 type	250	50HP	Φ3-25	单层/双层 Single layer/Double	200	7.5HP	MAX400	双轴扎装/轴装 Double axis way/axis	PN500-630	5HP

机型 Machine model	放线型式 Pay-off type	放线线轴 Pay-off bobbin size	螺杆直径 Screw diameter	螺杆长径比 L/D of screw	挤出量kg/hr Extrusion capacity	主机功率 Main unit power	线径范围 Range of wire size	冷却装置 Cooling system	引取功率 Capstan power	出线速度 (MAX) Put line speed	收线方式 Take-up line type
FBK-100	龙门行走式 Planer Moving Type	PN2500	Φ100	25:1 BM型	300	110KW	Φ25-60mm	单层U形Single layers U type	11KW	100	大轴 Max axis way
FBK-120	龙门行走式 Planer Moving Type	PN2500	Φ120	25:1 BM型	400	132KW	Φ20-80mm	单层U形Single layers U type	11KW	100	大轴 Max axis way
FBK-150	龙门行走式 Planer Moving Type	PN3150	Φ150	25:1	600	160KW	Φ50-150mm	单层U形Single layers U type	15KW	100	大轴 Max axis way
FBK-200	龙门行走式 Planer Moving Type	PN4150	Φ200	25:1	900	200KW	Φ70-180mm	单层U形Single layers U type	18.5KW	100	大轴 Max axis way

双层共挤押出生产线

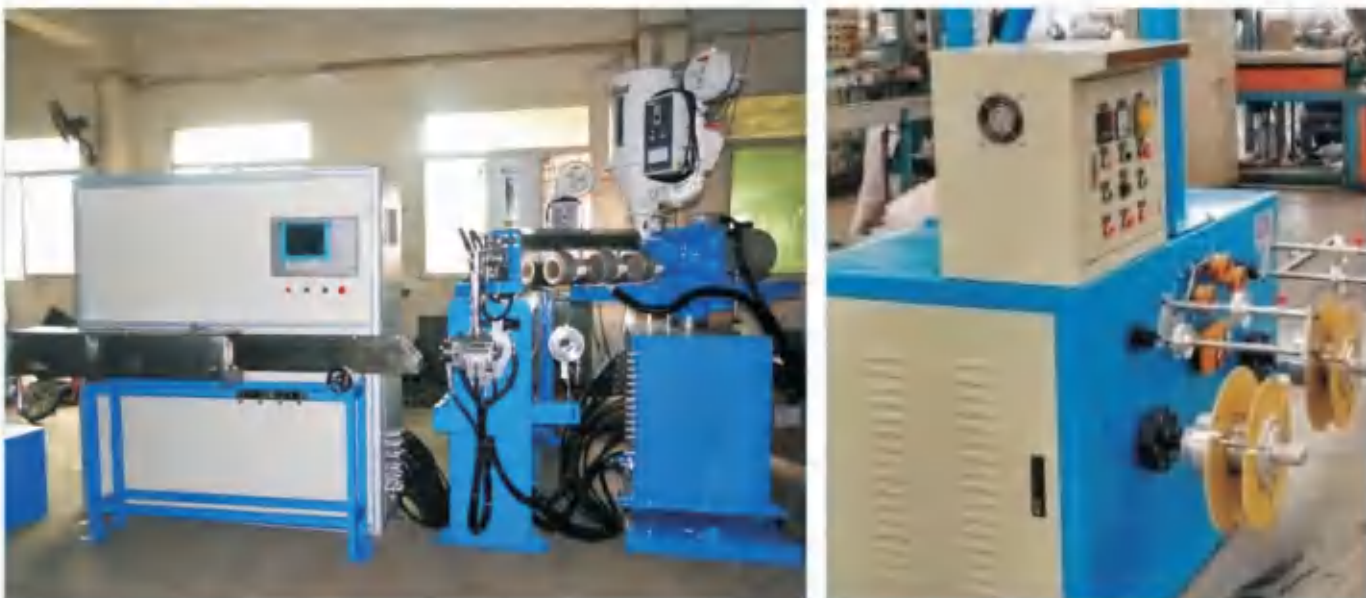
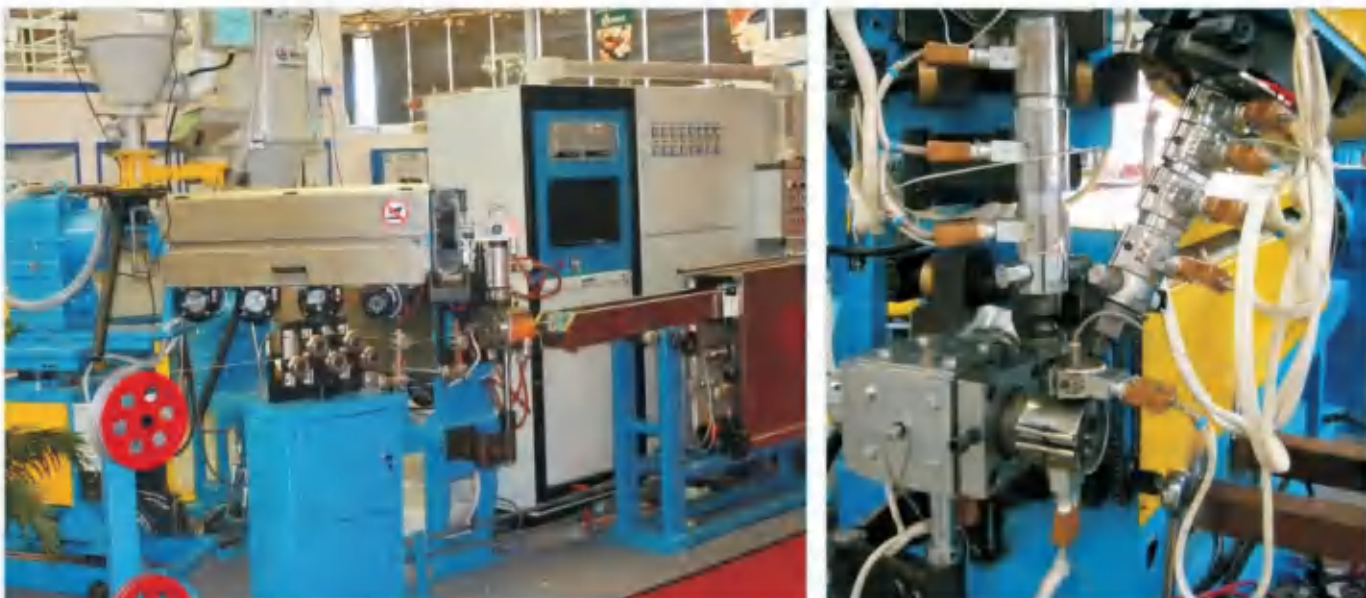
Nylon Double Layers Extrusion Line

设备用途：

本设备主要用于PVC、PE、PP等塑料单色、双色、单层、双层挤出，主要用于双层挤出布电线、电源线、矿井线、汽车线束等线的生产。

设备特点：

- 1、双轴放线架（大轴放线架）线径自动反馈控制。
- 2、温度控制采用进口OMRON温控表控制，温度控制精确。
- 3、双盘自动收线（大收线架），运行稳定、可靠。
- 4、可选配主动放线架、PLC控制、工业计算机、注条机（用于单双色或双层线生产），可根据客户要求调整。
- 5、主要控制系统及元器件采用国际知名品牌，生产线具有较高的稳定性和可靠性。



Equipment Application:

This equipment is mainly used for PVC, PE, PP and other plastic single color, double colors, single layer and double layers extrusion, mainly used in double-layers extrusion wire, power wire, mine lwire, automobile wiring harness and other production lines.

Equipment Features:

- 1、Automatic feedback control of wire diameter, double axle pay off (big axle pay off).
- 2、The temperature control adopts imported OMRON temperature control, and the temperature control is precise.
- 3、Double disk automatic take-up (large take-up frame), stable and reliable operation.
- 4、Can be equipped with active pay off frame, PLC control, industrial computer, injection machine (for single color, double color or double layers to product), according to customer requirements adjustment.
- 5、The main control system and components adopt international famous brand, and the production line has higher stability and reliability.

技术参数 Technical Parameter

机器型号 Model Number	FBK-50+50	FBK-70+40	FBK-90+50
机器用途 Purpose	适用于内层PVC外层尼龙共挤押出For co-extrusion extruding of inner PVC outer nylon		
挤出材料 Extrusion material	适用于PVC、丁晴PVC、PP、PE等材料Apply to PVC, NBR-PVC, PP, PE and other materials		
螺杆参数 Screw parameter	长径比:28:1 压缩比:2.7-3.2 螺杆材料:38CrMoAlA真空氮化热处理.表面研磨镀铬抛光 L/D:28:1 ,C/R: 2.7-3.2, screw material:38CrMoAlA, vacuum malcomising, surface grinded,chrome plated & polished		
注条机动力 Color injection extruder power	7.5HP	10HP	15HP
温控段数(主机+注条) Temperature control zones (for extruder+color injection)	7+6	7+6	8+6
主机加热功率 Heating power	11KW	18KW	26KW
主机动力 Main extruder power	20HP	30HP	60HP
引取功率 Capstan power	5HP	5HP	7.5HP
最高产量 Max output	180KG/H	220KG/H	280KG/H
最高线速 Max speed	350M/MIN	250M/MIN	200M/MIN
U型水槽长度 U-type cooling flume length	10M	15M	15M
放线型式 Pay-off type	主动或被动放线 Active or passive pay-off		
收线型式 Take-up type	双轴收线或大轴收线机 Biaxial winding or major axis take-up machine		

物理发泡电缆押出生产线

Physical Foaming Cable Extrusion Production Line

设备用途：

专用于生产损耗小、寿命长等优点的物理发泡聚乙烯绝缘用微同轴电缆、特种线缆、通信电缆以及数据缆等产品，特别是适合小同轴电缆的生产，如：IEEE1394、CAT5E、DVI、ATA、UL2919等。适用材料有FM-PE、PE。

Application

Apply to produce low consumption, long life-span physical foam Polyethylene fine coaxial cable, special wire cable, communication cable and data cable etc. Especially suitable for small coaxial cable production such as IEEE1394, CAT5E, DVI, ATA, UL2919. applicable materials are FM-PE, PE.

设备特性

适应于CATV、RG、SYWV、JIS系列物理发泡生产或实芯挤出。

适应材料：FM-PE、PE。

品质标准：达到行业标准。

发泡度：进口高压注氮系统（Max）：78%、低压注氮系统（Max）：70%。

品质控制：配备外径电容检测装置，全程控制产品的外径，发泡度等工艺参数。

机头：装配物理发泡专用机头。

Characteristics

Suitable to CATV, RG, SYWV, JIS series physical foaming production and solid core extrusion.

Suitable material: FM-PE, PE.

Foaming degree: Import high-pressured nitrogen system, max. 78%, the low pressure nitrogen system max: 70%.

Quality control: provides outer diameter electric capacity testing equipment, entire outside diameter, foaming degree control.

Cross-Head: provides physics foaming the specialized head.



技术参数 Technical Parameter

生产机型 Machine type	FBK-20+35+20	FBK-30+65+40	FBK-30+80+40
适用材料 Applied material	适用于FM-PE, PE等材料, 更换螺杆后可生产PVC, PP等其它材料 Apply to FM-PE, PE material, after change screw can apply to PVC, PP etc.		
导体线径 Conductor dia	Φ0.2-Φ0.8mm	Φ0.5-Φ2.27mm	Φ2.5-Φ3.0mm
挤出后外径 Extruded dia.	Φ0.3-Φ1.5mm	Φ3-Φ14mm	Φ12-Φ30mm
发泡度 Foam degree	82% (高压)	82% (高压)	82% (高压)
电源 Power	380V3相4线, 25KW	380V3相4线, 45KW	380V3相4线, 55KW



技术参数 Technical Parameter

机型 Machine model	放线型式 Pay-off type	导体规格(mm) Conductor dia.	绝缘外径 Extruded dia.	螺杆直径 L/D	螺杆长径比 Screw length/diameter	挤出量kg/hr Extrusion capacity	主机功率 Main power	冷却长度 Cooling length	引取形式及功率 Capstan power	发泡剂 Foaming	出线速度 Line speed	收线型式 Take-up type	电气控制 Electrical control
FBK-45+30	主动或被动的给线 Driven/Passive	0.4-1.0mm	1.5-5.0mm	Φ45	34:1 专用型螺杆 34:1 special-use	30	10HP	25m	双轴式引取5HP Double wheel 5HP	N2 氮气 N2 nitrogen fluorine	MAX 180m/min	双轴批装/卷装 Double axis	变频调速+PLC全程控制 (可選用) Inverter + PLC entire control
FBK-65+35		0.8-2.0mm	3.5-9.0mm	Φ65	34:1 专用型螺杆 34:1 special-use	60	30HP	25m	双轴式引取5HP Double wheel 5HP	N2 氮气 N2 nitrogen fluorine	MAX 150m/min	双轴批装/卷装 Double axis	
FBK-90+35		1.0-5.0mm	4.8-16.0mm	Φ90	34:1 专用型螺杆 34:1 special-use	100	60HP	25m	双轴式引取7.5HP Double wheel 7.5HP	N2 氮气 N2 nitrogen fluorine	MAX 100m/min	双轴批装/卷装 Double axis	

硅胶电线电缆挤出生产线

Silicone Gel cable Extrusion Production Line

设备用途：

本设备主要用于硅胶电线电缆挤出生产。

设备特点：

- 1、PLC+触摸屏控制，全程调整、监控生产线的各工艺参数。
- 2、硅胶专用免调自定芯机头。
- 3、硅胶专用螺杆、螺筒及配套防止内部硫化结构。
- 4、配置精密检测线径反馈系统，确保线径精确。

Equipment Application:

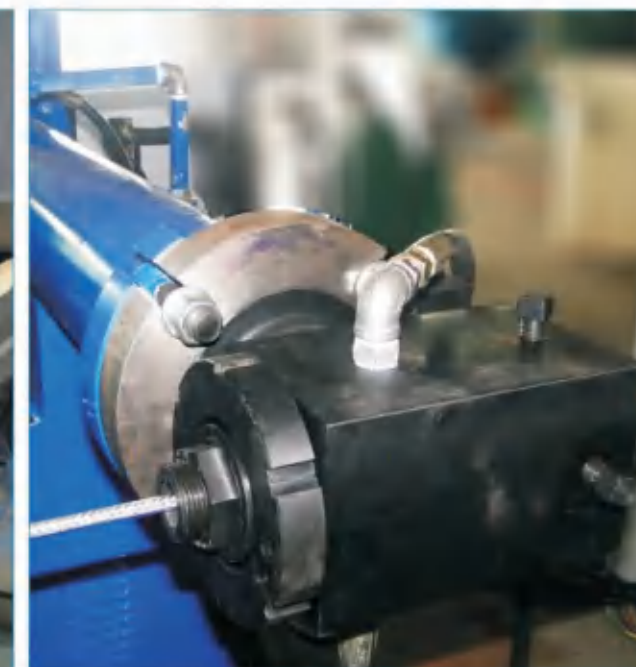
This equipment is mainly used for extrusion of silica gel cable.

Equipment Features:

- 1、PLC+ touch screen control, adjust and monitor all process parameters of production line.
- 2、Special self adjustable core cross-head for silica gel cable.
- 3、Silica gel special screw, screw barrel and matching, prevent inner vulcanization structure.
- 4、Configure the precision inspection wire diameter feedback system to ensure accurate line diameter.



硅胶专用高温烤箱
Silicone special high temperature oven



硅胶专用免调自定芯机
Silicone special free-adjust crosshead

技术参数 Technical Parameter

机型 Machine model	FBK-45	FBK-65	FBK-90	FBK-115
主机功率 (HP) Main power	10	20	30	50
挤出量Kg/h Extrusion capacity	30	60	150	250
螺杆直径 Screw diameter	Φ45	Φ65	Φ90	Φ115
长径比 L/D of screw	14 : 1	14 : 1	14 : 1	14 : 1
放线盘 mm Pay-off bobbin	Φ300-Φ400	Φ400-Φ630	Φ1000-Φ1250	Φ1250-Φ1600
放线线径 Inlet dia.	Φ0.2-Φ3.0	Φ0.3-Φ5.0	Φ1.0-Φ20	Φ3-Φ45
完成外径mm Extruded dia.	Φ0.8-Φ5.0	Φ1.8-Φ8.0	Φ3.0-Φ20	Φ6-Φ55
硫化长度(M) Vulcanize length	12	16	24	28
加热功率(KW) Heater power	6区32kw	6区32kw	8区42kw	10区54kw
牵引功率 (KW) Traction power	3	4	7.5	11
生产速度M/min Line speed	6-80	6-80	4-40	4-40
收线盘 Take-up bobbin	400-500	400-630	1250-1600	1250-1600

Φ200-Φ300极细线绞线机 High Speed Stranding Machine

用途

自动高速绞机适用于电脑排线、耳机线、电子线、电话线、汽车线等铜线绞合。

Application

Auto high speed twisting machine apply to copper wire twisting for computer flat cable, earphone cord, electronic wire, telephone cable, Automotive cable etc.



技术参数 Technical Parameter

机型 Machine model	FBK-200	FBK-250	FBK-300
绞合 Twisting	适用七股以上的镀银线、镀锡线、漆包线、裸铜线、铜包钢、铜包铝极细导体或芯线绞合 Apply to over 7 threads silver plated wire, tin plated wire, enamelled wire, naked copper wire, CCS, CCA etc super fine conductor and cored wire twisting.		
铜丝束绞后产品 Finsed wire range	19-32AWG	19-32AWG	19-32AWG
绞合断面积 Twisting section	0.0034-0.0035mm ²	0.02-1.0mm ²	0.073-2.0mm ²
单根线径 Diameter of single wire	Φ0.025-0.05mm	Φ0.04-0.18mm	Φ0.04-0.18mm
绞距 Twisting distance	0.94-4.08mm(可调)	0.94-18.12mm(可根据客户要求加大)	2.95mm-17.0mm(可根据客户要求加大)
装钢量 Gross weight	MAX10kg	MAX20kg	MAX30kg
最高轴转速 Max high axis rotation speed	5000转(10000扭/分) 5000RPM(10000t/min)	3000转(6000扭/分) 3000RPM(6000t/min)	3000转(6000扭/分) 3000RPM(6000t/min)
绞向 Twisting direction	左右绞向均匀 To left or right		
排线 Flat cable	Φ15光纤排线器、排距、排幅可任意调整 Polish rod traverse unit, pitch & throw adjustable		
收线张力 Taking-up tension track	磁粉离合器(台湾瑞利)Magnetic particle clutch (Taiwan magnetic powder) 手动张力张力可调, 被拉线不变型 Manual tension, Tension adjustable, pulled wire no deformation		
自动停机 Auto-stop machine	(1) 机内、机外断线自动刹车 (2) 自动计米、到米自动刹车 (1) Autonomic brake in case of brok en wire interon or exterior (2) When the counter has to Your clesived our put length, warnings ound will be heard and the machinestops		
机用轴承 Machine using bearing	主要轴承采用瑞典产, 次要采用日本产 Main bearing made in Sweden, others in Japan		
动力 Power	3HP变频调速 3HP controlled inverter	5HP变频调速 5HP controlled inverter	5HP变频调速 5HP controlled inverter
噪音指数 Noise level	约75分贝 Approx 75dB	约75分贝 Approx 75dB	约75分贝 Approx 75dB
机器尺寸(mm) Machine Dimension	(L)1900 × (W)750 × (H)900	(L)2000 × (W)700 × (H)720	(L)2300 × (W)830 × (H)1030
净重 Net weight	约850kg Approx 850kg	约750kg Approx 750kg	约1300kg Approx 1300kg

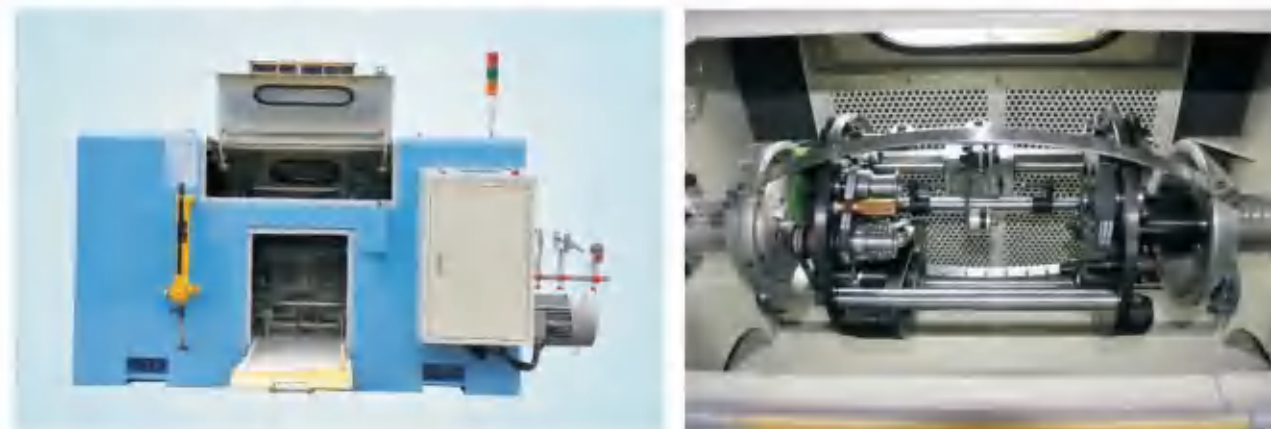
Φ500-Φ650高速绞线机 High Speed Stranding Machine

用途

自动高速绞机适用于电脑排线、耳机线、电子线、电源线、电话线、汽车线、网络线等铜线绞合。

Application

Auto high speed twisting machine apply to copper wire twisting for computer flat cable, earphone wire, electronic wire, power wire, telephone cable, Automotive cable, lane cable etc.



技术参数 Technical Parameter

机型 Machine model	FBK-500	FBK-650	
绞合 Twisting	适用七股以上的镀银线、镀锡线、漆包线、裸铜线、铜包钢、铜包铝极细导体或芯线绞合 Apply to over 7 threads silver plated wire, tin plated wire, enamelled wire, naked copper wire, CCS, CCA etc super fine conductor and cored wire twisting.		
铜丝束绞后产品 Finsed wire range	18-30AWG	16-26AWG	
绞合断面积 Twisting section	0.073-4.0mm ²	0.80-6mm ²	
单根线径 Diameter of single wire	Φ0.08-0.45mm	Φ0.12-0.64mm	
绞距 Twisting distance	4.22mm-39.64mm(可根据客户要求加大)	14.86-60.24mm(可根据客户要求加大)	
装钢量 Gross weight	MAX250kg	MAX400kg	
最高轴转速 Max high axis rotation speed	2200转(4400扭/分) 2200RPM(4400t/min)	3000转(6000扭/分) 3000RPM(6000t/min)	1800转(3600扭/分) 1800RPM(3600t/min)
绞向 Twisting direction	左右绞向均匀 To left or right		
排线 Flat cable	Φ20光纤排线器、排距、排幅可任意调整 Polish rod traverse unit, pitch & throw adjustable		
收线张力 Taking-up tension track	张力可调、被拉线不变型 Tension adjustable, pulled wire no deformation		
自动停机 Auto-stop machine	(1) 机内、机外断线自动刹车 (2) 自动计米、到米自动刹车 (1) Autonomic brake in case of brok en wire interon or exterior (2) When the counter has to Your clesived our put length, warnings ound will be heard and the machinestops		
机用轴承 Machine using bearing	主要轴承采用瑞典产, 次要采用日本产 Main bearing made in Sweden, others in Japan		
动力 Power	5-7.5HP变频调速 5-7.5HP controlled inverter	10HP变频调速 10HP controlled inverter	
噪音指数 Noise level	约75分贝 Approx 75dB	约80分贝 Approx 80dB	
机器尺寸(mm) Machine Dimension	(L)2690 × (W)1060 × (H)1230	(L)3300 × (W)1300 × (H)1300	
净重 Net weight	约2000kg Approx 2000kg	约3200kg Approx 3200kg	

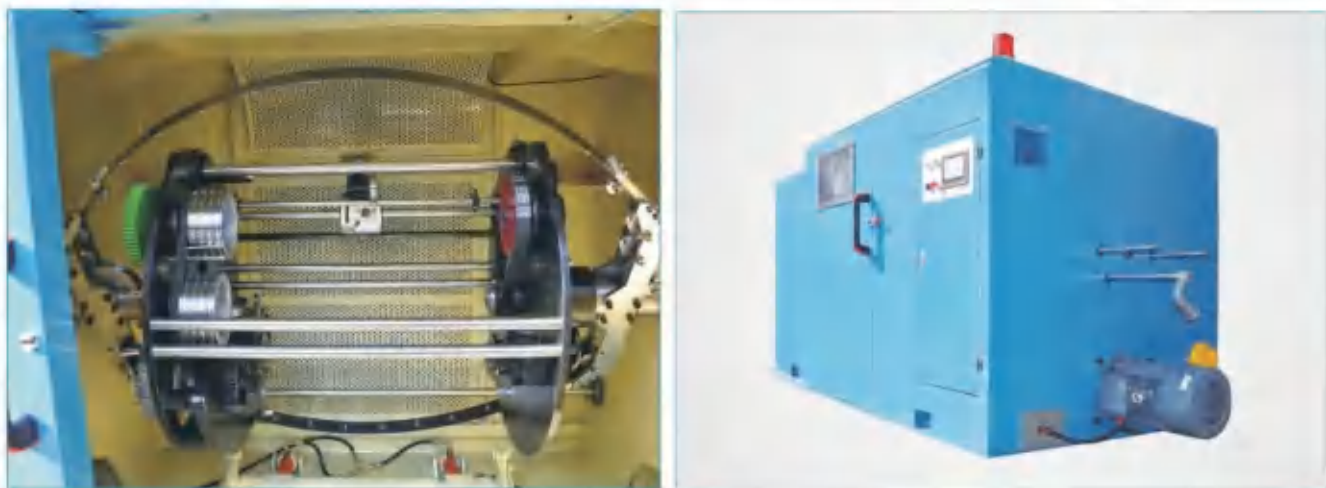
Φ800-Φ1250高速绞线机 High Speed Stranding Machine

用途

自动高速绞线机适用于电脑排线、耳机线、电子线、电源线、电话线、汽车线、网络线等铜线或芯线绞合。

Application

Auto high speed twisting machine apply to copper wire or core wire twisting for computer flat cable, earphone cord, electronic wire, power wire, telephone cable, Automotive cable, lane cable etc.



技术参数 Technical Parameter

机型 Machine model	FBK-800	FBK-1000
绞合 Twisting	适用七股以上的镀银线、镀锡线、漆包线、裸铜线、铜包钢、铜包铝极细导体或芯线绞合 Apply to over 7 threads silver plated wire, tin plated wire, enamelled wire, naked copper wire, CCS, CCA etc super fine conductor and cored wire twisting.	
绞合断面积 Twisting section	1.0-10.0mm ²	1.50-16mm ²
单根线径 Diameter of single wire	Φ0.29-1.0mm	Φ0.38-1.7mm
绞距 Twisting distance	27.71-130.56	35-200mm
装钢量 Gross weight	MAX900kg	MAX1200kg
最高轴转速 Max highaxis rotation speed	1200转(2400扭/分) 1200RPM(2400t/min)	800转(1600扭/分) 800RPM(1600t/min)
绞向 Twisting direction	左右绞向均匀 To left or right	
排线 Flat cable	光杆排线器、排距、排幅可任意调整 Polish rod traverse unit, pitch & throw adjustable	
收线张力 Taking-up tension track	张力可调、被拉线不变型 Tension adjustable, pulled wire no deformation	
自动停机 Auto-stop machine	〔1〕机内、机外断线自动刹车〔2〕自动计米、到米自动刹车 (1)Autonomic brake in case of brok enwire interon or extenior(2)When the counter has to Your clesived our put length, warnings ound will be heard and the machinestops	
机用轴承 Machine using bearing	主要轴承采用瑞典产，次要采用日本产 Main bearing made in Sweden, others in Japan	
动力 Power	15HP变频调速 15HP controlled inverter	25HP变频调速 25HP controlled inverter
噪音指数 Noise level	约75分贝 Approx 75dB	约80分贝 Approx 80dB
机器尺寸(mm) Machine Dimension	(L)3673 × (W)1550 × (H)1650	(L)4473 × (W)2200 × (H)2300
净重 Net weight	约5000kg Approx5000kg	约8000kg Approx8000kg

Φ500/630型双层三倍绞线机 Triple Pair-twist Machine

用途

适用于LAN CABLE CAT5,CAT5E,CAT6,CAT7信号线对绞，独特的上下式双层结构设计。

Application

Suitable for LAN CABLE CAT5,CAT5E, CAT6, CAT7, CAT 8 CABLE signal wire twisted pair, The unique upper and lower structure design.



内部结构
Inside structure

技术参数 Technical Parameter

机型 Machine model	FBK-500/630
最大回转速度 Max rotation speed	MAX1800RPM
芯线规格 Core wire	Φ0.8-Φ1.7mm
绞合外径 Stranded dia.	Φ1.6-3.5mm
绞距范围 Twist range	5-50mm
绞距公差 Twist tolerance	±2%
绞距设定 Twist setting	Servo electronic twist, touch screen set
退扭率 Back twist rate	00~98%
绞合方向 Stranding direction	S/Z
张力 Tension range	张力范围0.6-3kg, 张力显示应力感应数字张力器, 收放线张力滑轨式动力恒张力; Tension range 0.6-3kg, induction digital tension device, and wire tension slide type dynamic tension
收放线 Take up & pay off	收放线盘直径Φ500, 收线马达10HP马达变频调速器, 收放线马达1/2HP齿轮减速机马达驱动, 配变频器调速; Take up bobbin diameter 500, bow motor10HP motor with frequency converter, motor winding 1/2HP gear motor drive with frequency control

Φ500/Φ630高速对绞+双盘立式退扭机

High-speed Doble Bobbin Vertical Backward Twist Machine

设备用途

本机为生产超五类及以上数据电缆对绞机加退扭放线配套设备。

Applicable for the process of core wire pair twisting with back twisting for producing data cable such as CAT5E,CAT6,CAT7 etc.



技术参数 Technical Parameter

机型 Machine model	FBK-500立式箱體式 Vertical box type
最大回轉速度 Max rotation speed	MAX1000RPM
退扭率 Backtwist ratio	0-100%,無極可調
主機馬達 Main motor	放線電機功率3.7KW變頻調速1臺、主動放線機0.75KW變頻調速2臺 3.7KW Spin motor, 1 set inverter control, initiative wire pay-off motor 0.75KW, 2 set inverter
適用綫盤 Bobbin size	MAXΦ500 (外徑) × MAX300 (外寬) , 亦可根據客戶要求訂制 MAXΦ500 (OD) × Max300 (Outer Width) or made per customer request
單盤重量要求 Bobbin weight requirement	<250kg; 放綫張力3-10N <250kg; Wire pay-off tension3-10N
放綫盤 Pay-off bobbin	Φ500(外徑)×Φ56 (內孔) × Φ300 (外寬) Φ500 (OD) × Φ56 (ID) × 300 (Outer Width)
主馬達 Main motor	5HP, 4P Ac馬達 5HP, 4PAC motor
張力範圍 Tension range	配重恒張力,大小可調節
退扭張力架 Back-twist tension stand	立式雙頭, 張力輪120mm, 3+4井, 精密電位器檢出 Vertical double head, tension wheel 120mm, 3+4 ditch, precision potentiometer
放綫裝置 Pay-off device	儲綫架式張力感應架, 與放綫電機聯動, 保證恒張力放綫 Accumulative type tension sensor stand, linkage with pay-off motor, ensure constant tension wire pay-off
機體面積 Machine dimension	長×寬×高 (2100×1300×2000) L×W×H (2100×1300×2000)
總重 Total weight	約 About 2200KG

Φ500/Φ630高速对绞+双盘卧式退扭机(返燃机)

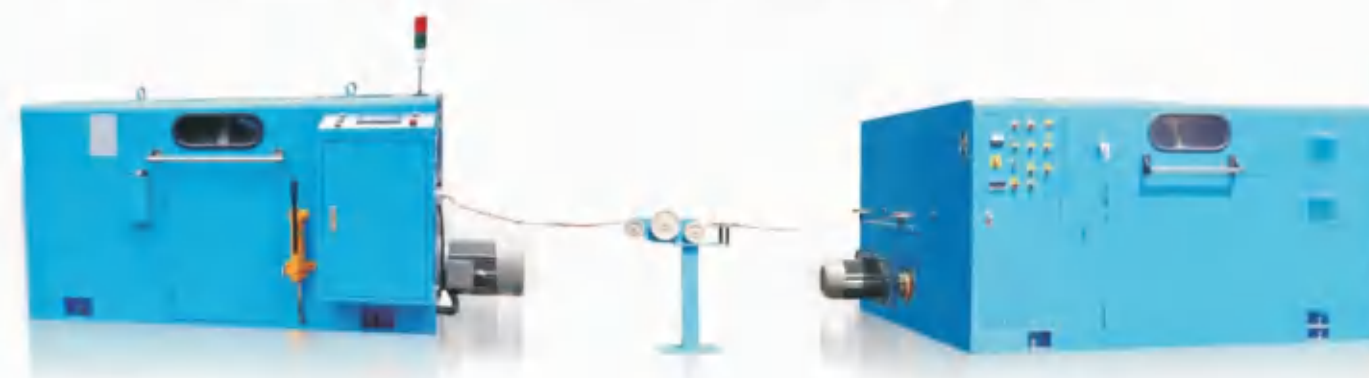
High-speed Doble Bobbin Horizontal Backward Twist Machine

设备用途

返燃机主要针对高频数位线缆总绞之退扭(返燃)用,促使总绞时,绝缘芯线相对位置之交错均衡,克服总绞时扭转应力不均,从而总绞仍能品质均、节距精确,本机采用四燃退扭,最高转速可达600R.P.M,退扭效果、性能优异。

Application

Reverse twist machine is mainly for reverse twist of total twist of the high frequency data cable making the insulated core cable equally located free from unequal turning stress of total twist. By this way, it ensures a stable quality and precise pitch length total twist. This machine adopts four-combustion reverse twist at the max. rotation speed of 600R.P.M featuring excellent performance.



技术参数 Technical Parameter

机型 Machine model	FBK-500	FBK-630
绝缘线种 Applicable wires	CCP,PEF,PVC,F/S	CCP,PEF,PVC,F/S
导体径 Conductor Dia.	Φ0.32mm-Φ1.2mm	Φ0.32mm-Φ1.2mm
给线 Pay-off	Max.1000rpm.(2000Twist)	Max.750rpm.(1500Twist)
卷取 Take-up	Max.2000rpm.(4000Twist)	Max.1500rpm.(3000Twist)
线速 Line speed	Max.300M/min	Max.300M/min
绞距 Pitch	Min.9.0mm	Min.9.0mm
线轴尺寸 Bobbin size	Max.Φ500*0.w.375mm	Max.Φ630*0.w.475mm
卷取轴装 Bobbin loading & unloading	电动升降式 Electric elevating system	电动升降式 Electric elevating system

Φ630~Φ1250 悬臂式单绞成缆机

Cantilever Single Twisting Machine

用途

适用于控制电缆、通讯电缆、数据电缆、同轴电缆等PE或PVC被覆芯线绞合及中心包带或侧放包带一次性完成。主要用于精度要求较高的线材芯线绞合。(注:客户可选配一台四头纵包机,可进行7类数据线成缆。)



Φ630~Φ800 悬臂式单绞成缆机
High-speed cantilever single twisting machine

技术参数 Technical Parameter

机器型号 Machine model	Φ630	Φ800	Φ1000	Φ1250
机器用途 Purpose	高频线、数据线、电脑线、电源线多股芯线集合绞制 It is used in high-frequency wire, data wire, electrical core wire and kinds of group standing			
芯线规格 Core wire specification	Φ1.0-4.0	Φ1.5-6.0	Φ2.5-8.0	Φ3.0-10
绞合外径 Twisted out dia	Φ3-10mm	Φ3-14mm	Φ3-20mm	Φ3-25mm
绞距范围 Pitch scope	触摸屏设定绞距: 20-250mm, PLC控制, 加减速绞距稳定 Touch screen set the lay: 20-250mm, controlled by PLC, when acceleration and deceleration the lay can be keep constant			
机器转速 Max rpm	MAX800rpm	MAX600rpm	MAX500rpm	MAX450rpm
机器动力 Power	10HP马达+差速器 15HP马达+差速器 20HP马达+差速器 10HP Motor+Differential 15HP Motor+Differential 20HP Motor+Differential			
包带型式 Taping type	单头卧式高速中心包带机+双头侧包机 Single head horizontal type high-speed center taping machine+Double heads side taping machine			
包带张力 Tapping tension	恒张力电磁刹车/自动张力追踪仪, 包带张力从满盘到空盘保持恒定, 不须人工调整 Constant tension electromagnetism brake wheel/Automatic trace tension instrument, tapping tension keep constant from start to end			
收线张力 Take-up tension	电磁张力, 自动追踪, 收线张力从满盘到空盘保持恒定, 不须人工调整 Tracing the electrical tension automatic, take-up tension keep constant from start to end			
排线方式 Traversing style	轴排式收线, 线材排位过程中无推/拉力损伤, 推幅排距根据线材规格任意设定 Traversing wire by moving shaft, it's to avert the wire hearted in this process, the size of arrange can set by wire specification			

Application

Apply to one-time completion of PE or PVC covered core wire stranding & concentric taping or side taping for control cable, communication cable, power cable, coaxial cable etc. Mainly used for high precision cored wire stranding. (Note: can be equipped with four-head longitudinal taping machine, for making CAT7)



七类缆四头纵包机
CAT7 4 heads longitudinal wrapping machine

悬臂单绞机内部转体结构
Cantilever stranding machine inside structure



双头卧式网状成圈机

Horizontal Network Cable Coiling Machine

用途

适用于数据线缆网状收线，并进一步箱式包装，
配合护套挤出生产联动适用。

Application

It is suitable for data cable coiling, meshing into a circle.
Can linked after sheath line for coiling and further packaging into box.



"8"字网络线成圈机

Figure "8" Network Cable Coiling Machine

用途

适用于五类、六类电缆8字型网状成圈之用，成圈机
与主动放线架配套同步，完成网络线的网状成圈。

Application

It is suitable for CAT5, CAT6 cable coiling into figure "8",
complete network cable meshing into a circle.



立式网状成圈机

Vertical Network Cable Coiling Machine

用途

适用于五类、六类电缆网状成圈之用，成圈机
与主动放线架配套同步，完成网络线的网状成
圈；可设定成圈引线孔大小。

Application

It is suitable for CAT5, CAT6 cable coiling, meshing
into a circle.



高速自动成圈打扎机

High Speed Automatic Coiling Machine

用途

适用于0.5-6mm²电线及小截面电缆的成圈
及打扎，该产品生产效率高、排线质量处于
国内外同类产品先进水平。

Application

Adaption on 0.5-6mm² electric wire and small
sectional cable become the circle and hit pitchine,
this production is high in efficiency, arrange line
auality is in the advanced level of the domestic and
international like product.



中截面电线自动成圈机

Medium Cross-section Automatic Wiring & Coiling Machine

用途

中截面适用于10-70mm²单支电线及线径小于20mm
圆形护套线的成圈及打扎，设备由放线架、高精度计
米器与大截面自动排线成圈主机三部分组成。

Application

Medium cross-section automatic wiring & coiling
machine is high-tech product developed according
to market demand. It is suitable for 10-70mm² single wire,
and wire dia. Less than 20mm round jacket wire to
wrap and bar. By pay-off frame, high-precision meter
counter with a large section of cable into the ring automatically
host of three parts.



大截面电线自动成圈机

Big cross-section Automatic Wiring & Coiling Machine

用途

大截面适用于50-240mm²单支电线及线径小于30mm
圆形护套线的成圈及打扎。设备由放线架、高精度计米
器与大截面自动排线成圈主机三部分组成。

Application

Large cross-section automatic wiring & coiling machine is
high-tech product developed according to market demand
It is suitable for 50-240mm² single wire, and wire dia. Less than
30mm round jacket wire to wrap and bar. By pay-off frame,
high-precision meter counter with a large section of cable
into the ring automatically host of three parts.



押出副机(注条机)

Auxiliary Extruder(Injection Machine)

卧式注条机

Horizontal color injection machine

特点

采用先进的机械构造和电气控制，用于挤制各种电线，可与50、60、70、80、90各规格押出机配接的双色机头连接后，即能挤制双色的电线，整体机电性能及工艺性均优于传统注色机。本机配上相应的普通机头即作为主机用于挤出各类电线。

Feature

Use advanced machine unit & electrical control, apply to different kinds of wire extruding. Can connect with 50、60、70、80、90 double color cross-head to extrude double-colored cable and also can be extruder for insulation.



立式注条机

Vertical color injection machine

本机为配合押出机生产电线时需要注入异色塑料的小型押出机。四只轮子可以灵活移动，螺杆式停行装置，旋转手柄可使一侧方向轮离开地面，使机器快速定位，模嘴离地高度990-1120mm 占地：L1300×W700×H226 mm 净重：300kg

It is machine for the extrusion line with a mini-type extruder that injects another color, there are four wheels which can be flexible 990-1120mm.

Covering: L1300×W700×H226 mm Net weight: 300kg



电线电缆周边设备

The Auxiliary Machine Wire&cable



网络数据线材生产方案(CAT5/5E/6/6A/7)

Data Lan Cable Production Process

目前网络线常用的有CAT5(五类线)、CAT5E(超五类)、CAT6、CAT6E(超六类线)、CAT7, 本公司根据市场需求, 为我们的客户研制了全套的通信电缆与数据电缆设备, 从芯线到成缆, 为客户量身定制各种解决方案, 最大程度的满足客户需求。

Currently, most popular network wire is CAT5,CAT5E,CAT6,CAT6E and CAT7.We had developed the complete communication cable& data cable equipments. we can make according per customer's requirement from core wire to the final cable.



制造流程 Production Process

连续绝缘芯线挤出→芯线对绞→成缆(4对集合)→护套→包装

Continuous insulation core wire extrusion→Core wire Pair Twisting→Cabling(4 Pairs)→Sheath→Packing

第一步: 芯线挤出 Core Wire Extrusion

A、 $\Phi 50+\Phi 35$ (生产线速500-600米/分) Line speed 500-600m/min

用途: 适合于五类、超五类芯线生产。
Application: apply to CAT5,CAT5E core wire producing.



B、 $\Phi 50+\Phi 35$ 串联生产线(生产线速1000米/分-1500米/分) Tandem extrusion line(Line speed 1000~1500m/min.)

用途: 适用于生产各类局域网络线(五、六、七类), 市话电缆拉丝绝缘芯线挤出。
Application: apply to the extrusion process in making LAN cables(CAT5E, CAT6 and CAT7),insulative telephone cables.



生产线组成

拉丝、退火、预热、绝缘挤出、自动收线、在线外径、偏心检测设备。

Composition

wire drawing, annealing, pre-heating, insulation extruding, take up, online outside diameter and eccentricity testing.



网络数据线材生产方案(CAT5/5E/6/6A/7)

Data Lan Cable Production Process

第二步：芯线对绞 Core Wire Pair Twisting

对绞节距一般在10-25mm范围内，节距的稳定性及张力控制要求很高，节距变动误差少于0.3%或0.5mm，芯线张力波动少于10%，超五类以上的电缆要求采用退扭放线，以提高对绞质量。

Pair twisted pitch normally around 10-25mm, high requirement for pitch stability and tension control. Pitch change accuracy < 0.3% or 0.5mm, core wire tension fluctuation < 10%. CAT5E and above cable requires back-twist process to enhance pair twisting quality.

- A、Φ500对绞机+双头主动式放线机组** 用途：CAT5、CAT5E类芯线对绞。
Pair twisting machine+double initiative pay off Application: apply for CAT5、CAT5E core wire pair twist.



- B、Φ500自动张力绞线机+双盘退扭机组** 用途：CAT5、CAT6、CAT7类芯线退扭对绞
Auto tension control pair twisting machine Application: apply for CAT5、CAT6、CAT7 core wire back twist & pair twist.



第三步：芯线成缆 Core Wire Stranding Machine

4对芯线集合线缆一般采用精度较高的Φ630-Φ1000 PLC控制单绞机成缆。

Generally use high precise Φ630-Φ1000 PLC control single stranding machine for 4 pair of cored wire cabling.

- A、DJΦ630-Φ1000电脑框式单绞机组**
Frame type single stranding machine

用途：主要用于CAT-5类及其它要求较高的线材绞合，可同步包带，可选主动或被动放线架。
 Application: Mainly used for CAT5 or other high quality wire stranding. Can tape synchronously.



- B、DJΦ630-Φ1250悬臂式单绞机组**
Cantilever type single stranding machine

用途：主要用于五、六、七类数据电缆，HDMI、控制电缆、等多条集合成缆，可同步包带。

Application: Mainly used for CAT5、CAT6、CAT7 data cable, HDMI, control cable etc. can tape synchronously.



网络数据线材生产方案(CAT5/5E/6/6A/7)

Data Lan Cable Production Process

第四步：外被护套生产 Sheath Production Line

护套要求生产过程中，为使已成缆线的物性变化控制到最少，一般采用Φ70-Φ90机生产，为实现不停机换盘，放线可选用二台主动式放线架，配合放线储线架实现，印字通常采用电脑喷码机。

In order to Minimize the physical change of the finished cable, normally adopt $\phi 70 - \phi 90$ sheath production. We can use two sets initiative wire pay-off stand to co-work with wire pay-off storing stand in order to achive machine non-stop for take up bobbin exchange. Normally use computer-controued inkjet machine for No. printing .



用途

适用于各类BV、BVV、BVR、RV，尼龙护套，低烟无卤阻燃环保用建筑布线。

Application

Applied to BV, BVV, BVR, RV, Nylon sheath, and halogen-free environment-friendly building wire.



第五步：成圈包装 Coiling Packing

网络线成圈长度一般为1000英尺（305米），目前主要采用匣式无扭自由放线，成圈时采用特殊交叉“8”字形卷绕，确保放线时不扭曲。

Network cable coiling length normally is 1000 feet (305M), currently mainly use box no twist free wire pay-off. Coiling into special "8" shape.

A、与押出机联动型成圈 Linked with extruder

卧式网状双轴成圈机 Mesh Double-axis Take-up Machine



用途

适用于数据线缆八字形网状收线，并进一步箱式包装只用，配合护套挤出生产联动适用。

Application

It is suitable for mesh shape take up process in making data cables and for packing in boxes. It is used as supportive equipment for jacketing extrusion line.

B、独立式成圈 Coiling separately.

网络线全自动电脑成圈机 Network cable into the ring machine



用途

适用于数据线缆八字形网状收线，并进一步箱式包装只用，配合护套挤出生产联动适用。

Application

It is suitable for mesh shape take up process in making data cables and for packing in boxes. It is used as supportive equipment for jacketing extrusion line.

室内光缆的分类
Indoor optical fiber cables category

目前常用的有：**0.6/0.9mm紧包、松套、半松套、空管，室内和室外FTTH皮线光缆，圆形管道耕光缆，单双芯软光缆**

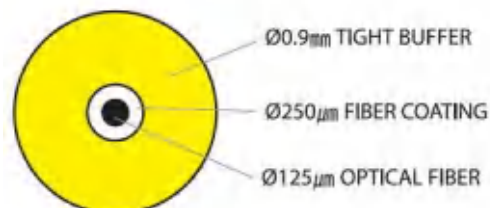
Include 0.6/0.9mm tight buffered fiber, loose buffered fiber, semi-loose buffered fiber, furcation tube, indoor and outdoor FTTH drop cable , round profile FTTH drop cable, simplex/duplex cable.

室内光缆的结构
Indoor optical fiber cables structure

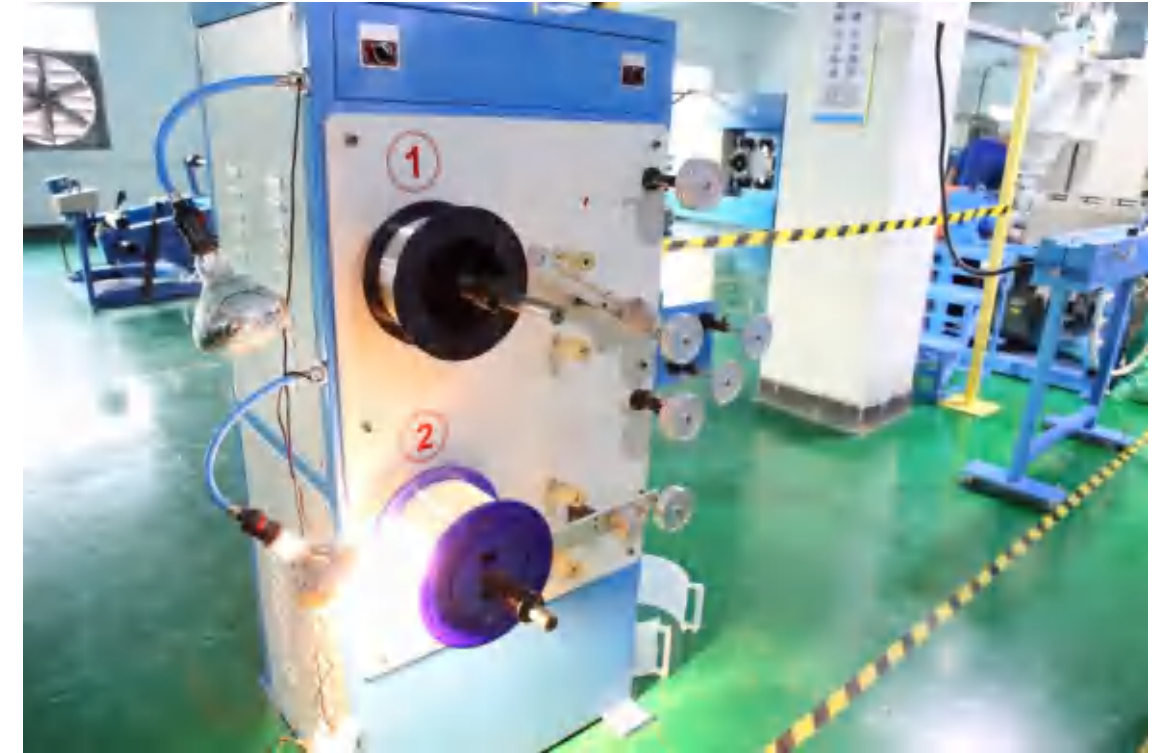
室内蝶形光缆 Indoor butterfly shaped FTTH optical cable



自承式蝶形光缆 ADSS indoor butterfly shaped FTTH optical cable



室内光缆所需设备
Indoor optical cable required Equipment



WRK-30 紧包光纤生产线
WRK-30 Tight buffered fiber production line

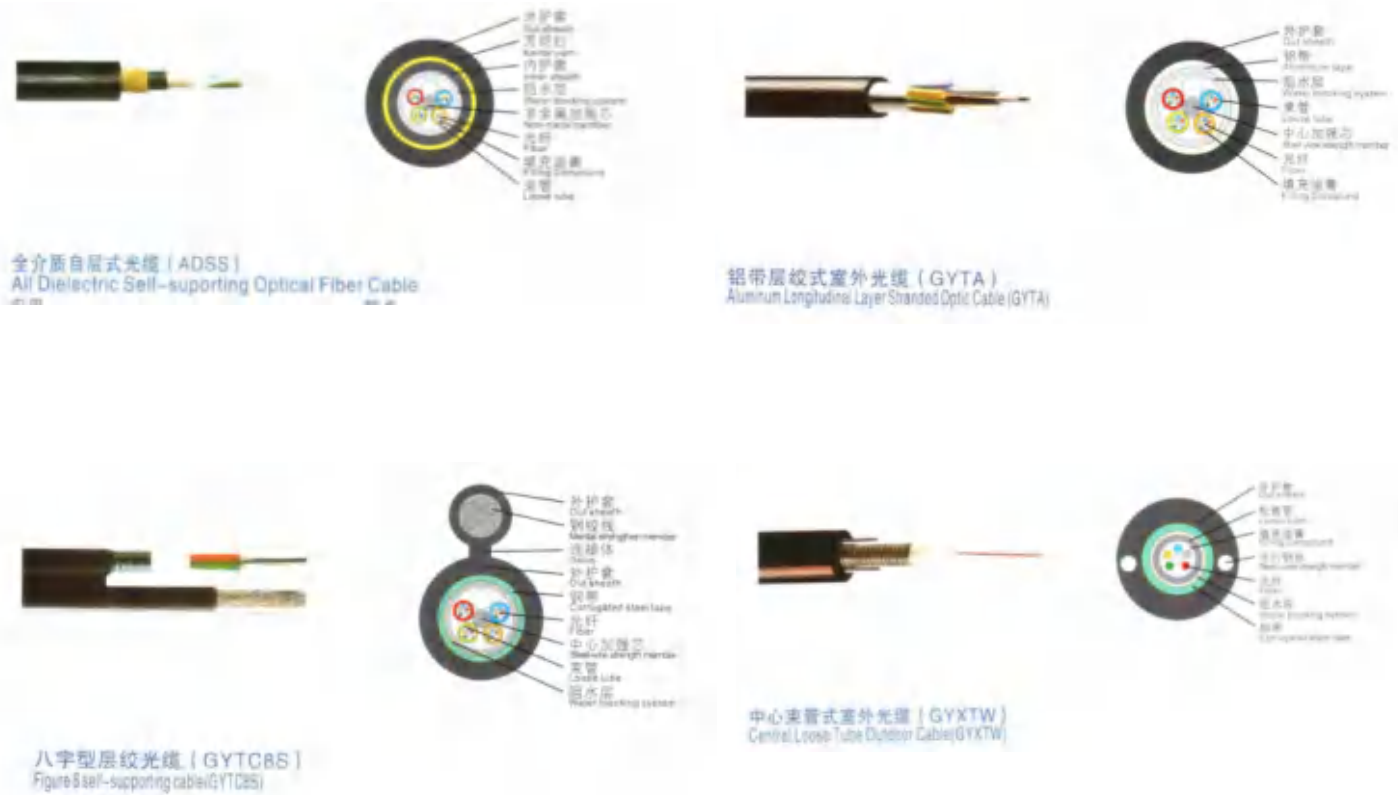


50mm FTTH皮线光缆+单双芯光缆挤出生产线
FTTH drop cable+simplex/duplex cable production line

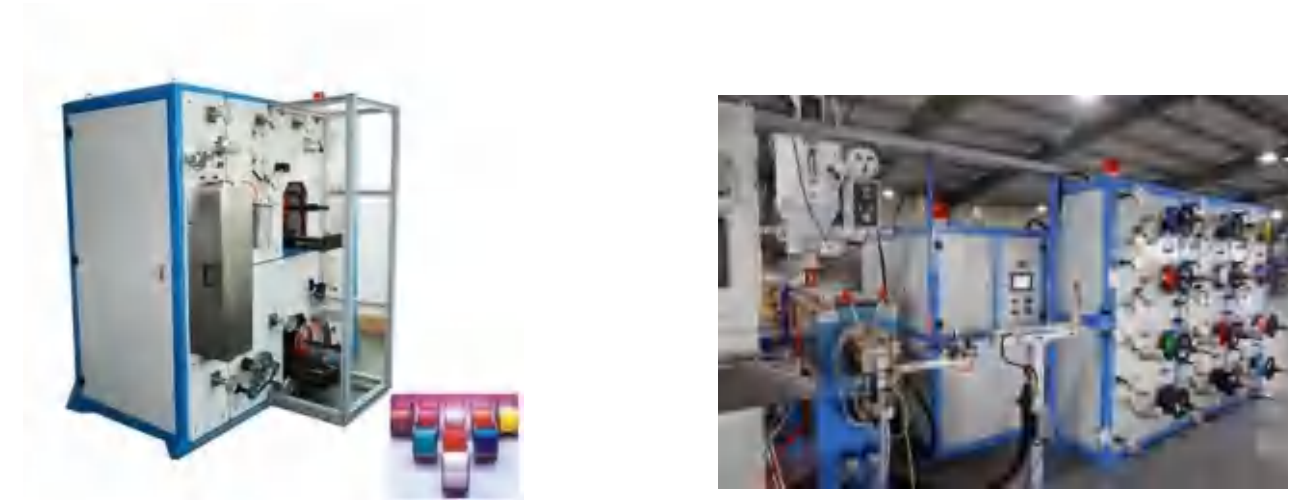
室外层绞光缆的分类 Outdoor stranded optical fiber cables category

目前常用的有：防水尾缆，ADSS光缆，非金属层绞式GYFTY，钢铝带层绞式铠装GYTA、GYTS，双护套双铠GYTA53，8字型层绞GYTC8S，双护套单铠装层绞式GYTY53
Include waterproof cable, ADSS cable, non-metal laminated GYFTY, steel and aluminum tape laminated GYTA、GYTS, double sheathed double armor GYTA53, 8 type twisted GYTC8S, double sheathed single armored laminated GYTY53

室外层绞光缆的结构 Outdoor stranded optical fiber cables structure



室外层绞光缆生产所需设备 Outdoor stranded optical cable required Equipment



WRK-1800 光纤着色机
WRK-1800 fiber coloring and rewinding machine

WRK-50mm 二次护套挤出生产线
WRK-50mm secondary coating production line



WRK-800/12 SZ 绞合机
WRK-800/12 SZ stranding machine



WRK-90mm 光缆护套挤出生产线
WRK-90mm optical cable sheathing production line