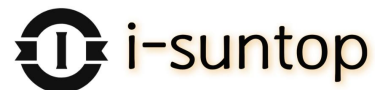


Optical cable production line



Company Name: **Guangdong I-suntop Technology Co., Ltd.**

Factory address: Room 531, Jinhui Building, No. 68 zhongtang Section, Guansui Road, Zhongtang Town, Dongguan City, Guangdong Province 523220

Full Name: Mrs. Kristin

Skype: hkequipment1

Telephone: 86-769-86298298

Mobile Phone: 86-13826951514

Youtube: <https://www.youtube.com/channel/UCCG4WOFcU3uAEhpSuOjISnQ>

Showroom: <http://www.fibercablemachine.com>

01



Product Name: **50mm Soft Optical Fiber Sheath Production Line**

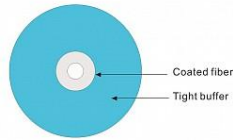
machine application: Soft optical cable extruder mainly applied in processing tight fiber into optical fiber cord.

Product Table:

Tight fiber diameter	ø0.9mm
Optical fiber cord diameter	MAX.ø6.0mm-7.5mm
Structure speed	300m/min
Production speed	100m/min
Tight fiber reel size	ø400mm
Pay-off tension of tight fiber	1N-3N(adjustable)
Stranding pitch	80-400mm
Heads No of Aramid yarn	10 heads
Pay-off tension of aramid yarn	3N-10N
Take-up tension	5N-20N(adjustable)
Take-up reel size	ø630mm-1000mm

Link: <http://gfcablemachine.en.made-in-china.com/product/bSrxVmPTmYUp/China-50mm-Soft-Optical-Fiber-Sheath-Production-Line.html>

02



Product Name: **30 Tight Buffered Fiber Production Line**

Equipment application: Mainly applied in processing common optic fiber into tight fiber.

Product Table:

Machine type	30/25D
Specification optical fiber pay off reels	$\Phi 236 * \Phi 160 * 108 * \Phi 25.4\text{mm}$ $\Phi 236 * \Phi 160 * 225 * \Phi 25.4\text{mm}$
Fiber diameter	$\Phi 0.25\text{mm}$
Pay off tension	$0.4\text{N} \sim 1.5\text{N} \pm 0.05\text{N}$
Tight fiber diameter	0.6mm/0.9mm
Design speed	300m/min
Actual speed	$\leq 250\text{m/min}$
Line length	21m
Take up tension	$0.5\text{N} \sim 3\text{N}$ (adjustable)
Take up spool	PN235-400
Center height of machine	1000mm from background
Power	$380\text{V} \pm 10\%$ 50Hz three phase five line Total about 30KW

Link: <http://gfcablemachine.en.made-in-china.com/product/hvrmlWzuJUyB/China-30-Tight-Buffered-Fiber-Production-Line.html>

03



www.gfcablemachine.com

Product Name: **FTTH Drop Cable Production Line****Machine application:**

FTTH drop cable machine mainly applied in the production of tight buffered fiber, soft optical fiber cable, FTTH terminal optical fiber cable (drop cable). The extruded sheath possesses the features of even diameter, smooth, fast speed, and low excess loss for optical fiber.

Product Table:

Extruder type	50×25 Extruder
extrusion material	LSZH, PVC
structure speed	Max. 150m/min
production speed	Max. 100m/min (LSZH); 120m/min (PVC) for 2.0*3.0mm FTTH
No of optical fiber pay-off reels	2 or 4 reels
Specification of optical fiber pay-off reels	25km and 50km standard optical fiber reels
Pay-off tension of optical fiber	0.4N-1.5N
Heads no of reinforcement pay-off rack	2 heads
Specification of reinforcement pay-off reels	PN400 reels and $\varnothing 254 \times \varnothing 116 \times \varnothing 180 \times \varnothing 32$ reels
reinforcement Specification	$\varnothing 0.4 - \varnothing 1.0$
Pay-off tension of reinforcement	5N-20N
Take-up tension	5-15N
Take-up reels Specification	PN400 reel and PN600 reel (central shaft hole diameter $\varnothing 56$)
excess loss after extrusion	1550nm=0.2dB/km (single mold optical fiber)
Center height of machine	1000mm from background

Link: <http://gfcablemachine.en.made-in-china.com/product/uKrQgVLPiPRI/China-FTTH-Drop-Cable-Production-Line.html>



www.gfcablemachine.com

Product Name: **Fiber Coloring and Rewinding Machine**

Equipment Application: Mainly applied for coloring the surface of optic fibers, convenient to identify the multi-fibers within the loose tube. Also can be used to rewind fibers.

Product Table:	Control system	Man-Machine interface + PLC Control
	Lamp power	Adopt taiwan brand light power
	Lamp	Can choose Import UV-A ,ensure the curing quantity
	Traverse device	Automatic take up and traverse devices
	structure speed	Max.1500 m/min
	coloring speed	Max.1200m/min
	coloring layer thickness	3~5 μ m
	pay off tension	0.4N~1.2N \pm 0.05N
	traverse pitch	0.1~1.5mm
	excess loss after coloring	\leq 0.02dB/Km
	MAX. Optical fiber reel size	Φ 236 * Φ 160*108* Φ 25.4mm(25KM reel) Φ 236* Φ 160*225* Φ 25.4mm(50KM reel)
	power	380V \pm 10% 50Hz Three phase five line
	machine size	L1900mm * W1350mm *(H)1900mm
	machine weight	850KG

Link: <http://gfcablemachine.en.made-in-china.com/product/FvUncTLARYRE/China-Fiber-Coloring-and-Rewinding-Machine.html>

05



www.gfcablemachine.com

Product Name: **Optical Fiber Secondary Coating Production Line (Loose tube production line)**

Equipment application :

the optic fiber cable secondary coating machine mainly applied in the extrusion of 2-12 cores oil-filled fiber or 4-12*12 cores fiber loose tube, and the extrusion of 1.6mm-4.0mm optical fiber fillers.

Product Table:

cores No of optical fiber	12 cores
Pay-off tension of optical fiber	0.4-1.5N±0.05N
Specification of optical fiber pay-off reels	ø236×ø160×ø108
stranding angle	± 340
hoter water temperature	75°c ± 2 °c
take-up tension	2.5-6.5N
production speed	5-220m/min(ø2.0mm PBT tube bundling),5-200m/min(ø3.0mmPBT tube bundling)
excess control	0-3‰ ± 0.2 ‰
error of measuring meter	1 ‰
specification of take-up reels	PN800mm
fiber excess attenuation	0.02db/km
uniformity of excess length	± 0.2 ‰

Link: <http://gfcablemachine.en.made-in-china.com/product/KvRxcpPuuUrm/China-Optical-Fiber-Secondary-Coating-Production-Line-Loose-tube-production-line-.html>



www.gfcablemachine.com

Product Name: **SZ Stranding Machine for Loose Tube**

Equipment application :SZ stranding machine mainly used for SZ stranding and laying-up of 2.0-4.5mm loose tube oil-filled optic-fiber.

Product Table:

reinforcement core pay-off reel specification	PN800-PN1250MM
tension wheel diameter	ø800mm(double wheels)
pay-off reels no of optical-fiber bundle tube	12reels(according to clients' requirement)
Max laying-up outer diameter	ø32mm
production speed	max.80m/min
laying-up pitch(single screw)	(80-1500mm)±5-10mm
SZ stranding angle	±(4-24)π
max revolution speed of cotton wrapping head	3000rpm
max revolution speed of SZ stranding heads	850rpm
cotton wrapping pitch	20mm-50mm
reinforcement core pay-off tension	50N-300N
take-up tension	50-150N
take-up reel specification	PN1000-PN1800
excess loss of laying-up	0.02db/km

Link: <http://gfcablemachine.en.made-in-china.com/product/hKpQkBzYqURG/China-Sz-Stranding-Machine-for-Loose-Tube.html>

07



Product Name: **90mm Optical Fiber Sheath and ADSS Production Line**

Outdoor optical cable production line application :

A, the cable machinery is suitable for optical cable outer sheath and core strengthening comprehensive production, can also be used for inner protection layer production

B, PE inner sheath, aluminum-plastic compound belt and PE inner sheath.

C, PE outer sheath, aluminum-plastic compound belt, PE composite outer sheath, steel-plastic compound belt, PE composite outer sheath.

D, Parallel double steel wire tube bundling type optic-fiber cable.

Product Table:	Extrusion material	LDPE, MDPE, HDPE, PA12
	Max extrusion output	250Kg/h(PE)
	Extrusion outer diameter	5-35mm
	Production speed	max.60m/min
	Pay-off reel specification	PN800-PN1800mm
	Take-up reel specification	PN800-PN1800mm
	Center height of production line	1000mm

Link: <http://gfcablemachine.en.made-in-china.com/product/ZBRnhjLOCrpA/China-90mm-Optical-Fiber-Sheath-and-ADSS-Production-Line.html>

08



www.gfcablemachine.com

Product Name: **OPGW Cable Stranding Machine for Outdoor Optical Cable**

1.Application: The machine is mainly used for making OPGW cable.

2.Main technical parameters:

- 2-1. Single strand diameter before stranding: 1.2-8mm
- 2.2 Maximum after-stranding diameter 50mm
- 2.3 Stranding pitch 76-1330mm
- 2.4 Maximum cage speed 68.4r/min
- 2.5 Maximum line speed 43.9m/min
- 2.6 Capstan wheel diameter 1500mm
- 2.7 Paying-off inside cage PN630
- 2.8 Central paying-off size PN800-PN1600
- 2.9 Taking-up size PN1600-PN2000
- 2.10 Main motor power 30KW
- 2.11 Central height of machine 1000mm

3. Machine main electric brand

- Motor: Siemens (china) Motor
- Transducer: American Emerson transducer
- Temperature controller: Omron Brand PID Smart type
- Man-Machine interface: 10.2 inch color
- PLC and Control Module: Siemens
- Screw and Barrel: Produced by jinhu Company.
- Bearing: Japan NSK or other same quality brand
- Low voltage electrical parts: Adopts SIEMENS, OMRON, SCHNEIDER brands, etc.

Link: <http://gfcablemachine.en.made-in-china.com/product/KvYEcluhOUpR/China-Opgw-Cable-Stranding-Machine-for-Outdoor-Optical-Cable.html>

09



www.gfcablemachine.com



Product Name: **Spiral Armored Cable Automatic Monocoil Tubing Machine**

A.Application: YCB-ZGJN1 Numerical Automatic Monocoil Tubing Machine. (Also named : Armored Monocoil Tubing Machine). It can be widely used in the armored optic fiber cables and brake wires for car industry.

B.Equipment specification and function

1. Tube Size: ϕ 0.9mm~ ϕ 8.0mm,
2. Production Speed: e.g: ϕ 0.9mm monocoil speed is 1.1m/min, ϕ 2.8 is 2.0m/min
The size of monocoil tube is more bigger, the production speed is more quickly
3. When you produce any size of monocoil tube, you don't need change parts, just adjust the tensile strength on the monitor, The strength is very stable.
4. The starting power consumption is 5.5kw*2, when in stable operation state, the power consumption is 5.5kw
5. Input Voltage: 3phases, 4wires and 3phases 3wires.
6. Frequency: 0~50HZ
7. Machine Size: 1900mm*850mm*1600mm
8. Weight: 900KG
9. Roll Material : Cr 12Mov, HRC62
10. Spiral tube of raw material: 200Cu\als: Stainless steel wire, such as SUS316\201Cu\304 etc.

Equipment Control Function

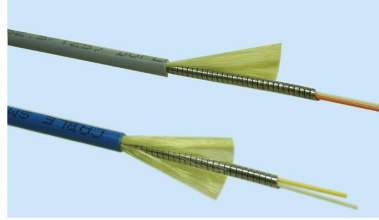
1. DMEA Inverter
2. With "Manual" & "Automatic" for material reel brake
3. Steel strip broken emergency stop alarm
4. Lack of material emergency stop alarm

Product Attribute:

Type	Armored Cable Machine
Tube Size	0.9mm~8.0mm
Production Speed	Max.2.0m/Min
Input Voltage	3phases,4wires and 3phases 3wires.
Frequency	50Hz
Machine Size	1900mm*850mm*1600mm
Payment Term	T/T,L/C
Service	Technical Support, Training

Link: <http://gfcablemachine.en.made-in-china.com/product/yMNnUZkOSsGg/China-Spiral-Armored-Cable-Automatic-Monocoil-Tubing-Machine.html>

010



www.gfcablemachine.com

Product Name: **Armored Optic Fiber Spiral Steel Pipe Equipment**

A.Application: This equipment was modified from YCB-ZGJN1, It's suitable for manufacturing the armored optic fiber Spiral Steel Pipe.

The so-called armored optic fiber, the cable is protecting the fiber with the small diameter Spiral Steel Pipe. With this kind of protection, armored optic cable can resist 3000N

B.Specification

1. Tube size: ϕ 0.9mm- ϕ 2.8mm
2. Production Speed: e.g: ϕ 0.9mm, 1.1m/min. The size of Spiral Steel Pipe is more bigger, the production speed is more quickly.
3. Don't need to change the parts, just adjust the strength on the monitor.
4. Starting power consumption is 2.0KW*2m, in normal operating situation, the power consumption is 4KW
5. Voltage: 3phases, 4wires.
6. Speed: 0~1250
7. Machine Size: 1300mm*600mm*1200mm
8. Weight: 480KG
9. Roll Material: Cr 12Mov, HRC62
10. Spiral tube of raw materials: Stainless steel wire, such as SUS316\201Cu\304 etc.

铠装机组 Armored unit

常规配置：五台光缆铠装机和一台压丝机
Conventional configuration: five Armoring machine and a thread pressuring machine



Link: <http://gfcablemachine.en.made-in-china.com/product/HXpJVrkvsYRU/China-Armored-Optic-Fiber-Spiral-Steel-Pipe-Equipment.html>

011



www.gfcablemachine.com

Product Name: **Steel Wire Flattening Machine for Armored Cable**

Specification

1. Automatic press any size of steel wire
2. Stop automatically when steel wire has been pressed finished.
3. Speed 120r/min
4. Power consumption 5.5KW
5. This machine was controlled by inverter, It can co-work with laptop and just input the steel strip thickness and width, they can press automatically. It can also align the steel strip automatically to let the strip would not overlap or broken.
6. Automatic wire broken alarm and emergency stop function
7. Machine Size: 1500mm*1100mm*1560mm

压丝机 Thread pressuring machine

设备的组成

动力系统→压丝系统→收丝系统→冷却系统→控制系统

主要系统介绍

- a) 动力系统采用3kw电机经减速器至分动力控制箱
- b) 压丝系统由一组高硬度合金钢压轮组成及进丝导向模具组成
- c) 收丝系统由伺服电机控制排丝节距，变频电机控制收线速度
- d) 冷却系统来对主压轮进行冷却润滑
- e) 由PLC控制整体设备的运行及停止

Configuration of the machine

Power system→thread pressuring system→thread collecting system→cooling system→control system

Introduction of main system

- a) The power system adopts 3kw motor to controlling box of driving force through speed reducer.
- b) The thread pressuring system is composed of a group of high hardness alloy steel pulley and thread entrance guiding mould.
- c) The thread collecting system applies servo motor to control the traversing pitch and AC motor to control the take-up speed.
- d) The cooling system cools and lubricates the main pulley.
- e) It applies PLC to control the running and stop of the whole machine.

■ 技术参数及性能介绍 Introduction of technical parameter and performance

生产速度 Line speed	最高45米/分钟 Max. 45m.min
可生产产品范围 Range of products	φ 0.3mm~ φ 1.2mm

Link: <http://gfcablemachine.en.made-in-china.com/product/sMCmRaWrhytH/China-Steel-Wire-Flattening-Machine-for-Armored-Cable.html>

