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Fiber Optic Tools & Equipment

Fiber Patchcord Production Line

Fiber Splitter & WDM Mux Production Line

Fiber Tools & Toolkits

Fiber Inspector & Cleaner

Fiber Fusion Splicer

Sunma Fiber Technology Co.,LTD.

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Overview of SUNMA

"SUNMA FIBER TECHNOLOGY CO., LTD.", one of the leading fiber optic manufacturers in China, specialized in supplying fiber optic equipments, fiber test instruments and fiber optic network & telecom devices.

"SUNMA FIBER" was founded in 2002 by Mr. Sunder Ma. Our sales office locates at Shenzhen & Wuhan city, which is the Fiber Optic Valley in China. The manufacturing center locates at Shenzhen & Dongguan city in South China.

Equipped with advanced hi-tech producing & testing equipments, staffed with a team of highly competent talents for R&D and quality inspection, SUNMA devoted to the development and application research of fiber telecom products.

Administering the quality standard of CE, UL, FDA, SGS ISO9001/14001 strictly. With the excellent pre & after sales service, professional knowledge, talented team and superior product quality, SUNMA have won a great reputation from our worldwide users.

In recent years, we provide various fiber optic solutions such as fiber patch cord production line, fiber coupler & splitter production line, fiber testers, fiber passive component, fiber active modules, fiber tools and other fiber network devices to worldwide users. Till now, our products cover Fiber Optic Telecom, Fiber Optic Network, FTTx, 5G Wireless, Business Enterprise, Power, Cable TV and utilities already.

" Seeking Excellent Quality to Win Opportunities, Providing Professional Solutions to Improve Service, Keeping Sincerely Cooperation to Create Future", SUNMA expect the pure honest cooperation with much more peoples in the world!

AFCM-2000 Automatic Fiber Cable Cutting Machine

Specifications:

* Operation System: Chinese and English touch screen
* Cutting Length: no more than 999 meters
* Fiber type: Dia 1.4mm to Dia 3.0mm, Simplex Fiber, Duplex Fiber and Ribbon Fiber.
* Speed: 3.0 meters per second
* Length Accuracy: no more than 3%
* Power consumption: 450 Watt, 220V AC, 50/60Hz
* Pressure Source: 0.4 to 0.6Mpa
* Cable Carrying Capacity: no more than 50 kgs
* Machine Size: 1.0m * 0.9m * 1.2m
* Total Weight: 155 KGS

More info can be get from Sales Team

AFCM-2000C Automatic Armored Fiber Cable Cutting Machine

Specifications:

* Operation System: Chinese and English touch screen
* Cutting Length: no more than 999 meters
* Fiber type: Dia 2.0mm to Dia 6.0 mm, Rubber Fiber and Armored Fiber.
* Speed: 3.0 meters per second
* Length Accuracy: no more than 3%
* Power consumption: 1800 Watt, 220V AC, 50/60Hz
* Cable Carrying Capacity: no more than 100 kgs
* Machine Size: 2.0m * 2.0m * 1.5m
* Total Weight: 200 KGS

More info can be get from Sales Team

AFCM-1000 Pigtail 0.9mm Fiber Cable Cutting Machine

Specifications:

* Operation System: English touch screen
* Cutting Length: no more than 999 meters
* Fiber type: Dia 0.4mm to Dia 0.9 mm, Simplex Fiber, Duplex Fiber and Ribbon Fiber.
* Speed: 2.0 meters per second
* Length Accuracy: no more than 3%
* Power consumption: 250 Watt, 220V AC, 50/60Hz
* Cable Carrying Capacity: no more than 50 kgs
* Machine Size: 0.4m * 0.9m * 0.5 m
* Total Weight: 35 KGS

More info can be get from Sales Team
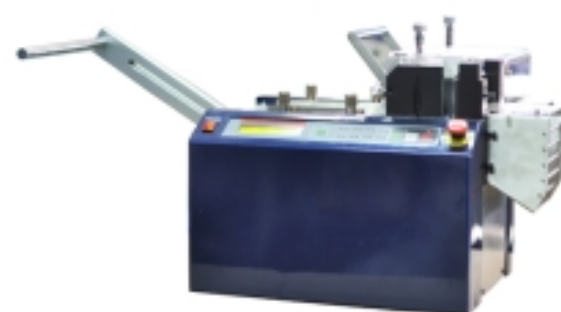
OP-2000X CNC Programmable High-Precision Fiber Polishing Machine

Features:

* Without connector parts and operation techniques drawbacks, the 3D pass rate of the polisher reaches 100% by use of fixtures of SUNMA.
* 12 sets of programs stored on the polisher, touch screen operated. When using the polisher, you can choose the corresponding program on the touch screen, according to the connectors you are going to polish, no need to adjust the pressure, time, and speed. Simplify the operation process and labor amount, improve the quality and stability at the same time.
* For each program, speed, pressure, time, and polishing pad perimeters are adjustable. The set value and current actual value of relevant parameters are displayed in real time during the polishing process.
* The machine structure is more stable. The pressure range is wider. During the polishing process, no jumping is occurred. It can polish 40pcs of SC connectors smoothly with 100% 3D pass rate.
* Slow start, slow pressurization, gradual increase compensation of polishing time are available. This high level function can ensure polishing quality while save polishing films.
* The main components of the machine adopts famous international brands. Main structure has been tested for 3 years. Structure durability and accuracy constancy last long.

Technical data:

Voltage	AC220-240V
Frequency	50/60Hz
Power	200W
Weight	28Kg
Size	250x230x260mm
Polishing disc dia.	127mm
Polishing driven	Annoy double motors gear driving
Polishing jumping	±0.005mm
Polishing rotation speed	0~160RPM Adjustable
Control method	Integrated circuit module + touch buttons

More info can be get from Sales Team

OP-2000S High-Precision Fiber Polishing Machine

Specifications:

Type	SG Technical & Design, High Volume, High-Precision
Pressure Source	Coil Spring Fixed
Polishing Capacity (max)	20~48 connectors for FC, SC and ST / 24~48 connectors for MU/LC
Dimensions	230 x 255 x 230mm
Weight	24.5 kg
Input Voltage	100-120VAC, 50/60Hz or 220-240VAC, 50/60Hz
Application	2.5mm PC, APC / 1.25mm PC, APC / MT, mini-MT

More info can be get from Sales Team

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OP-2000E High-Stable Fiber Polishing Machine

Specifications:

Type	High Volume, High-Stable
Pressure Source	Coil Spring
Polishing Capacity (max)	20~48 connectors for FC, SC and ST / 24~48 connectors for MU/LC
Dimensions	230 x 255 x 230mm
Weight	23.5 kg
Input Voltage	100-120VAC, 50/60Hz or 220-240VAC, 50/60Hz
Application	2.5mm PC, APC / 1.25mm PC, APC / MT, mini-MT

More info can be get from Sales Team

OP-2000F Programmable Fiber Polishing Machine

Specifications:

Type	High Volume, Programmable
Pressure Source	Coil Spring
Polishing Capacity (max)	20~48 connectors for FC, SC and ST / 24~48 connectors for MU/LC
Dimensions	230 x 255 x 230mm
Weight	22.5 kg
Input Voltage	100-120VAC, 50/60Hz or 220-240VAC, 50/60Hz
Application	2.5mm PC, APC / 1.25mm PC, APC / MT, mini-MT

More info can be get from Sales Team

OP-1200D Central Press Fiber Polishing Machine

Features:

1. It can polish various types of standard fiber optical connectors such as:
   FC/UPC, SC/UPC, ST/UPC, LC/UPC, MU/UPC, FC/APC, SC/APC, MTRJ, E2000 etc.
2. Polishing speed can be adjusted between 15-200RPM.
3. High-precision mechanic coordination, independent rotation and revolution
   ensure the consistent and uniformity of polishing performance.
4. Water-proof and professional structure design ensures the safe and reliable
   using of the machine.
5. Polishing round and polishing time can be set and recorded automatically.
6. Use water during polishing.
7. Pressure unload, fixture & polishing film exchange are very convenient.
8. Product quality keeps consistent and repair rate is low.

More info can be get from Sales Team

SC Fixture
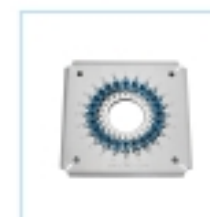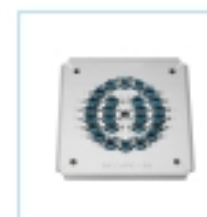
SC PC 24	SC APC 26	SC-APC 1T	SC APC 24	SC-24T

SC PC 36	SC-12T	SC-APC-12T	SC APC 18

LC Fixture

LC-APC Handpolish	LC-APC 16T	LC APC 18	LC_PC-16	LC_24T Duplex
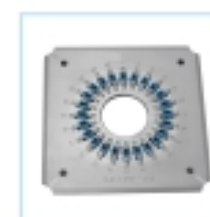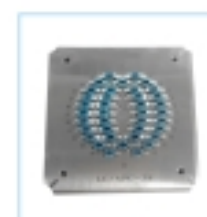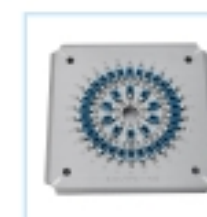
LC PC 24	LC APC 38	LC PC 40	LC PC 48	LC PC-16T

LC APC 32	LC APC 24

FC Fixture

FC PC 32	FC-APC Handpolish	FC APC 24	FC-32T	FC PC 24

FC APC 26				

ST, E2000, SMA905, MPO and other Fixture

ST PC-24T	Univerferrule fixture	CX PC 24	Universal 2.5mm ferrule hand polish	ST-12T
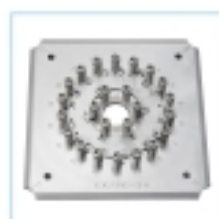
E2000 48F Fast-Lock	ST PC 24	SMA905-24	SMA905 24 Fast-Lock	SC 48F Fast-Lock

MTRJ-16T	E2000-APC	MTRJ-12T	MPO-16	MPO-12T

MPO-12	MPO UPC 18 SENKO	E2000 APC 24 Senko	MPO PC 24 Domaille	MPO APC IPC 12

MPO PC-24 IPC	MPO APC 18 Domaille	MPO APC 12	E2000 APC 20

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ST-3000A One-Shot Crimping Machine

Specifications

1. This machine is used for crimping aluminum ring during the manufacture of optical fiber patch cord. The work is done by one shot, steady and not easy to loose.
2. The booster cylinder's max pressure could reach 1 ton.
3. The crimping mold is casted at one time. Heat treatment enables the hardness reach HRC63.
4. It can also used for MPO, MTP, 7.0mm cable crimping.

Voltage	DC12V
Weight	10Kg
Max. Pressure	1000Kgs
Max. Air pressure	0.8Kg

ST-3000C Horizontal Pneumatic Crimping Machine

Features:

1. For the connector assembly and the ceramic ferrule and metal tailstock assembly of other products Crimp.
2. Use air pressure of not less than 0.6 ~ 0.9Mpa, the maximum pressure 1000kgf.
3. By replacing the crimp tooling can be adapted to different parts assembly and crimping.
4. Pressure adjustable to adapt to different products.
5. Simple, reliable and efficient processing.
6. Stable quality.
7. Maintenance, maintenance is simple and convenient.
8. Provide connector crimping dies, adapters and metal tailstock crimping dies.
9. According to customer needs, customized different crimping tooling.

ST-3000B Vertical Pneumatic Crimping Machine

Features:

1. For the connector assembly and the ceramic ferrule and metal tail stock assembly of other products crimp.
2. Use air pressure is not less than 0.6 – 0.9 Mpa, the maximum pressure for 1000 kgs.
3. By replacing the crimp tooling, can adapt to different parts assembly and the crimping.
4. Pressure can be adjusted to adapt to different products.
5. Simple, reliable, high processing efficiency.
6. Stable quality.
7. Maintenance, simple and convenient.
8. Provide the connector crimping dies, adapters and metal tailstock pressure dies.
9. According to customer needs, custom-made different crimping tooling.

ST-3000E Electric Crimping Machine

Features:

1. For the connector assembly and the ceramic ferrule and metal tail stock assembly of other products crimp.
2. By replacing the crimp tooling, can adapt to different parts assembly and the crimping.
3. Pressure can be adjusted to adapt to different products.
4. Simple, reliable, high processing efficiency.
5. Stable quality.
6. Maintenance, simple and convenient.
7. Provide the connector crimping dies, adapters and metal tailstock pressure dies.
8. According to customer needs, custom-made different crimping tooling.

OH-110/OH-110B Fiber Curing Oven

1. OH-110 fiber curing oven is used to cure various types of fiber optical connectors, such as FC, SC, LC, MU, MTRJ, ST, MPO etc.
2. 100pcs connectors can be cured at one time.
3. Use high precision temperature control system. Temperature adjustable from 0-160°C with tolerance of ±2°C.
4. Indication of time and temperature control is available.
5. Fixture is exchangeable. Operation is easy. It is proper for various connectors with epoxy glue.
6. Cores and pates can be customized.

Specifications:

Voltage	AC220-240V
Frequency	50/60Hz
Power	1100W
Temperature precision	±2°C
Temperature control type	Electrical type
Size	150mm*280mm*440mm
Total weight	15kg

OH-110

OH-110B

OH-120 Fiber Curing Oven All Type

Features:

OH-120 fiber curing oven is used to cure various types of fiber optical connectors, such as FC, SC, LC, MU, MTRJ, ST, MPO etc. 64pcs connectors can be cured at one time.

Use high precision temperature control system. Temperature adjustable from 0-160°C with tolerance of ±2°C.

Indication of temperature control is available.

Fixture is exchangeable.

Operation is easy. Burn-proof and heat-preservation function served.

It is proper for various connectors with epoxy glue.

OH-140 Fiber Curing Oven (Double Control)

OH-140 fiber curing oven is used to cure various types of fiber optical connectors, such as FC, SC, LC, MU, MTRJ, ST, MPO etc.

56pcs connectors can be cured at one time.

Use high precision temperature control system. Temperature adjustable from 0-260°C with tolerance of ±1°C.

Indication of time and temperature control is available. The epoxy glue will be a like a conical surface, no fiber breaking occurs.

Fixture is exchangeable. Operation is easy. Burn-proof and heat-preservation function served. It is proper for various connectors with epoxy glue.

Cores and plates can be customized.

Specifications:

Electricity	AC220-240V
Frequency	50/60Hz
Power	800W
Temperature precision	±2°C
Temperature control type	Electrical type
Size	240mm*280mm*510mm
Total weight	15kg
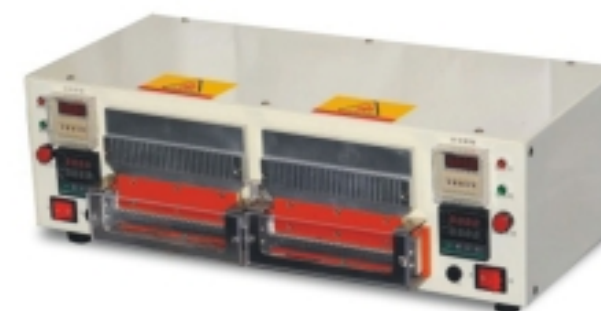
FV-410 Desktop End-face Inspector

1. FV-410 microscope is used with 10" monitor.2. It is used to detect the defects of fiber optical connector end surface after polished or during the fiber usage, especially proper for detecting of MTRJ, MPO, and FC both in PC or APC connectors.
3. It can check SM, MM fiber optical connectors, PM fiber optical connectors.
4. Connectors proper for checking: FC/PC, FC/APC, SC/PC, SC/APC, ST/APC, LC/PC, LC/APC, MU, MTRJ etc.
5. Monitor is high definition of image. Showing enlarged 400 times, 200 times or 80 times.
6. The store has a camera function, data retention easier.

Electricity	DC12V
Times enlarged	400 times
Light source	Blue light
Monitor size	10''
Total weight	4Kg
Operating	Manual

ST-3000A-MM Desktop Fiber Microscope

Integrated all-in-one microscope for easy view and quick operation.
400× magnification, 0.5µm high definition.`
Positive/Negative image display to observe scratches with ease.
Inner light adjustable for clearer fiber core view.
AC/DC power supply for both indoors and outdoors work.
Light weight for easy carry-on anywhere anytime.
Backend warehouse for accessories storage.
SD card storage and USB/BNC optional output.
CE/CEM/RoHS Certified.

Magnification	200X, 400X
Resolution	0.75um, 0.5um
Image size	40mm, 80mm
Inspection Application	Single/Multiple Fiber Core
Sensor	Black/white CCD 600line
Port	Probe Input, BNC Output
Alternative Port	USB2.0 Output, SD Card storage
Field of View	X asix: 3.8mm, Y aXIS:4.5mm
Screen Size	8 inch(4/3) 1024*768px
Power Supply	12V power adaptor
Battery Set	3*1800mAh for 6hrs work time
Weight/ Dimension	2Kgs , 264*281*206mm

ST-3317 Insertion Loss/Return Loss Test Station

- High stable laser source equips;
- Multiple testing mode application includes SM and MM;
- USB and RS232 interface to support software application；
- kinds of fiber terminations adopt as FC/SC/ST/LC/1.25mm/2.5mm；
- Color screen for man-machine conversation；
- Multiple COM interface compatible application；
- Threshold setting configuration;

ST-3327 Insertion/Return Loss Tester Station

1) Built-in high stability light source
2) Large size color screen display
3) Threshold setting configuration;
4) Dual wavelength IL/RL simultaneous testing
5) Multiple COM interface compatible application
6) Add 850 wavelength to detect multimode Patch cord loss
7) Built-in VFL function can easy to find the other end of the patch cord to increase test speed

SUNMA ML/AT Fiber Interferometer

1. Testing time below 0.5S.
2. Manual operating including X axis, Y axis movement, accessory, replacement for different types of connectors, focal length adjustment,Other operating is automatically.
3. The machine can generate an improvement guiding for polishing methodology. It includes the polishing pressure, polishing time,polishing speed, polishing grain size and polishing pad hardness.
4. The computer support data collection, data printing, network data transmission etc.

ST-8307 Non-Wrapping IL/RL Test Station

1: the real test without winding return loss, no matching paste;
2: automatic IL&RL test;
3: the dual wavelength IL&RL value can be displayed at the same time;
4: to provide OPM, IL, RL, ILRL, IL2, ILRL2 a variety of modes of operation;
5: to provide a high precision optical power meter mode, the test range of +5dBm~-80dBm;
6: to provide USB to support software applications;
7: up to 30 user defined calibration wavelengths;
8: rich menu set content, more comprehensive system function;
9: optical power detection can be as low as -85dBm;

OP-5000 MPO Fiber Polishing Machine

Features:

1. Without adjusting equipment used SUNMA grinding fixture, remove the parts and process, the influence of interference can be rolled yield 100%.
2. Touch screen operation, support more than 12 program calls, exchange products only need to select the products on the touch screen,no more complex pressure adjustment, time, speed,simplify operation process and strength,improve the quality stability.
3. To speed, pressure, time, slow start-up pressure, abrasive compensation parameters and each of the parameters such as grinding pad separately setting, real-time display related parameters in the process of grinding set value and the actual value.
4. More stable structure, pressure range is wider,basic close not have any pressure in the process of grinding. Can be polishing at the same time more than 18 SC and maintain stability of the device (3D)100%.
5. Support the slow start, slow pressure, polishing milling time increasing gradually advanced features such as options, to ensure the quality, at the same time reduce the loss of grinding sheet.
6. Main components adopt international famous brand, Thematic structure after 3 years of time to experiment, the structure and accuracy keep long life.
7. Compatible with all Domaille original fixture, equipment has a higher accuracy and stability.
8. Particularly suitable for MTP(MPO), MTRJ, E-2000, FA products such as grinding.
   More info can be get from Sales Team

MPO Polishing Fixture

ST-18001 MPO/MTP Test System

1:Multi-core No-mandrel return loss test without fiber matching cream;
2:Test 12/24/16/32/48/72 channel dual wavelength IL&RL automatically;
3:Adopt integrating sphere test , meet requirements of MTP/MPO optical devices;
4:Extend 48 channel omp to support testing of MPO fan-out devices;
5:Configure a variety of special line through the software, cable test process, test mode diversification configuration, strong system compatibility;
6:Support aging monitoring test applications;
7:Support automatic test and single channel manual test;
8:EXCEL database XML and other data storage forms;
9:High performance, built-in PC, ensure system compatibility and operate fluency;

SUNMA-MT MPO/MTP Fiber Interferometer

1. Testing time below 0.5S.
2. Auto operating including X axis, Y axis movement, accessory, replacement for different types of connectors, focal length adjustmen Other operating is automatically.
3. The machine can generate an improvement guiding for polishing methodology. It includes the polishing pressure, polishing time, polishing speed, polishing grain size and polishing pad hardness.
4. The computer support data collection, data printing, network data transmission etc.

ST-3000F MPO Pneumatic Crimping Machine

1. For the connector assembly and the ceramic ferrule and metal tail stock assembly of other products crimp.
2. Use air pressure is not less than 0.6 – 0.9 Mpa, the maximum pressure for 1000 kgf.
3. By replacing the crimp tooling, can adapt to different parts assembly and the crimping.
4. Pressure can be adjusted to adapt to different products.
5. Simple, reliable, high processing efficiency.
6. Stable quality.
7. Maintenance, simple and convenient.
8. Provide the connector crimping dies, adapters and metal tailstock pressure dies.
9. According to customer needs, custom-made different crimping tooling.

OH-130 MTP/MPO Fiber Curing Oven Adjustable

1.The new appearance, the use of patents heating structure more reasonable, improve heat energy 30%.
2.Two way emissions increase 50% work efficiency, each optical cable has independent fixtures, make the product solidify more perfectly, using heat energy reflux device to avoid bubbles, air glue, semi gum, caused by crack thousand, break thousand, partial glue and other problems obvious improvement, temperature setting, time setting, more flexible operation.

FV-400G MPO/MTP End-face Inspector

1. FV-400G microscope is used with 10'' monitor.
2. It is used to detect the defects of fiber optical connector end surface after polished or during the fiber usage, especially proper for detecting of MTRJ. MPO.MTP.connectors.It can check SM, MM fiber optical connectors, PM fiber optical connectors.
3. Connectors proper for checking: MTRJ MPO MTP etc.
4. Monitor is high definition of image. Showing enlarged 400 times, 200 times or 80 times.

SUNMA MPO Polishing Slurry&Film

Description
1.Fiber Optic Polishing Film
2.Newly developed tapes for the fiber optics
3.High durability
4.Advantages of both fixed and dissociated polishing modes with the characteristics of high removal ratio & surface effects

Key Features
1.Evenly-sprayed particles on coated surface
2.Good intensity & flexility, suitable for polishing on different facets
3.Suitable for polishing with dry, water or oil medium
4.The fiber polishing film is durable polishing rate compared to existing polishing films and offers economical operations

ST-195 MPO Glue-wipe Machine

ST-196 MTP/MPO Disassembly Tools

SM-220/230/240 Thermal Fiber Stripper

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16

SUNMA Fiber Polishing Film D1/D3/D9/D30/ADS

Key Features

1.Evenly-sprayed particles on coated surface
2.Good intensity & flexility, suitable for polishing on different facets
3.Suitable for polishing with dry, water or oil medium
4.The fiber polishing film is durable polishing rate compared to existing polishing films and offers economical operations

SUNMA Polishing Rubber Pad

Key Features:

● 1. Fiber polishing pad material quality: Silica gel
● 2. Special designed for polishing spherical surface of fiber connectors
● 3.100% tested for hardness and parallelism A5
● 4. Surface hardness flat and even

Applications:

● 1.Fiber polishing pad Model: 500-50, 55, 60, 65, 70, 75, 80,
   85, 90(permanent stores)
● 2.Fiber polishing pad External Dimension: 127*5mm

SUNMA Polishing Epoxy & Liquid

- This two-part SUNMA Fiber Optic Epoxy is a favorite of many installers for use with epoxy style fiber optic connectors.
- This fiber optic epoxy remains liquid until heat is applied. The application of heat provides a quick cure, turning the epoxy to a reddish-brown color.
- This SUNMA Fiber Optic Epoxy will not react like other epoxies to coating applied to the larger core/clad diameter of specialty fibers.
- Weight: 454 gram/set (16 oz.Kit)

Polishing Liquid   353ND

## ST-3000M Automatic Epoxy-inject Machine

Features:

1. Stable and reliable performance.
2. Easy & Convenient operating, high speed and precision.
3. English/Chinese language switchable.
4. The F series 3-axis Manipulator works independently, no necessary to connect with other equipments. The installation is convenient and the operating is very easy.
5. User-friendly operating panel he operating panel has easy understandable photo signs. It enables users to set the injection path. It can easily finish the matrix copy, offset modification, calibration point setting.... The program can be copy and transferred to other machines.
6. Professional interpolation control systemThe sophisticated control card enable the machine become real PTP and CP 3- axles arc interpolation equipment. It fit for any non planar 3D injection path.
7. It used for injecting glue to ceramic ferrule.
8. The machine has needle controlling button. No necessary to connect with instructor. It is more convenient than other similar machines.

ST-3000T Cable Stripping Machine

Features:

● 1.This machine has multi-function, which includes peeling jacket, cutting aramid at the same time. It has high efficiency and save 30-50% labor cost of the process.
● 2.It use original pneumatic part, original sliding toll, original PLC program to coordinate the control. The accuracy of repeat positioning is higher than that of competitors. Maintenance costs are low, and accessories are easy to replace.
● 3.The machine has a number of operating modes, which enable the operator to make better operation adjustment according to the work station technics. This machine is suitable for optical cable 2.0/3.0 simplex and duplex. Operation of the machine is flexible. It is easy to change replacement parts such as scissors, knives.
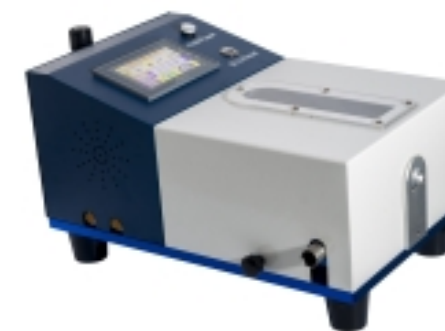
ST-3000D Automatic Ferrule Crimping Machine (Electric)

Specifications:

Used for ceramic ferrule metal flange crimping.
Use PLC control system. Automatic crimping is better and quicker.
Crimping fixture can be replaced for different components assembly or crimping.
Easy operating and high working efficiency are realized.
Stable working quality and easy for repair and maintenance.
Crimping mold for connectors, adaptors, and metal flange is available at request.
Customized crimping tool is available.

Voltage	220-240V
Power	700w
Weight	160kg
Size	750+1200+860mm
Crimping efficiency	4200-6000pcs/hr
Operating mode	Automatic

More info can be get from Sales Team

ST-3100 Automatic Spare Parts Assembly Machine

1.The machine uses a number of precision vibration disc and direct vibration track devices to identify the positive and negative sides, and uses advanced artificial intelligence PLC program to control and identify multiple operation instructions.
2.Suitable for fiber patch cords connectors parts pre-assembly, which includes SC-FC-2.0.3.0, SC metal parts, SC plastic parts, FC metal parts, FC angle type, cups of 2.0 and 3.0, rings of 2.0 /3.0 and spring, save labor cost by 30-50%. Maintenance cost is low, and is deeply trusted by the majority of factories.

ST-193 Ferrule Epoxy-inject Machine

Plastic injection time	0.001S 9.999S, 0.01S-99.99S (set by the switch on)
Loop (break) time	0.1S-9.9S
Input pressure	1bar-7bar (1bar = 1.01972kg/cm ?= 14.5038psi)
Output pressure	0.1 bar-7bar
Repeatability	0.00005S
Minimum dispensing volume	0.005ml
Working speed	> 600 beats / min
Input voltage	110V/220V ?10% 50Hz
Power consumption	<15W
Weight	<3.5Kg
Dimensions	70 ?/SPAN> 210 ?/SPAN> 281 (mm)

ST-192 Centrifugal Epoxy-wipe Machine

1. Large capacity, can process 12 tubes at per time.
2. Rotation speed up to 4000RPM, bubble dismissed more thoroughly.
3. Rotation is stable and performance is reliable.
4. Beautiful appearance and compact size. Save room.

ST-190 Ultrasonic Cleaner

1. Ultrasonic working time 1-60 minutes, adjustable, suitable for different Occasions.
2. Cleaner argon welding of stainless steel mesh sieve forming, toimprove washing effect.
3. Stainless steel cleaning tank using a stamping, no welding, waterproof   performance is better.
4. High quality imported components, ultrasonic power conversio

SUNMA FC Assembly Device

1. Electric quickly assembled FC tooling.
2. Screw, one pace reachs the designated position.
3. The on-off device, safe and effective.
4. Reduce the labor intensity, save work time efficiently.

SUNMA SC Fast Assembly Device

1. Rapid pneumatic assembly white shell.
2. Save work time, one pace reachs the designated position.
3. Reduce the workers labor intensity.
4. Quality assurance, durable.

UV Curing Oven

Fiber Cable Label Print Machine-Tail Label

Fiber Cable Label Print Machine -Body Mark Label

Fiber Cable PullForce Testing Machine

High Precision Heat Oven

Fiber Ferrule Glue Stripper

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Fiber Connector Spare Parts

Key Features

- Low insertion loss
- Corrosion resistant body
- Precision mechanical dimension
- Meets Telecordia-GR-326-CORE specifications
- Ultra low back reflection
- One Piece with pre-domed ceramic ferrule is designed for easy assembly
- For 3.0mm, 2.0mm jacket or 900um buffer
- ROHS compliant

Applications

- Telecommunication
- LAN & WAN
- Broadband
- CATV
- Network
- FTTX

SMA905 spare part

ST spare part

SC spare part

FC spare part

LC spare part

Fiber Connector Ferrules

Features

- Good compatibility
- Compliant with RoHS
- Good reliability and stability
- Accurate mechanical dimensions

Application

- CATV
- Data network
- LAN (including FTTx)
- Telecommunication

2,5 ferrule

1,25 ferrule

ST-2010 Fused Bi-conic Taper(FBT)System

Description

ST-2010 Fused Bi-conic Taper(FBT) System, is an automatic controlled coupler working station, which integrates Electronic, Precision Processing, as well as Computer technologies, can meet various function requirements: Manufacturing, Testing,Monitoring & controlling, With its easy-to-use character,2010 FBT system were widely used for manufacturing splitters, couplers,WDMs, CWDMs and so on.As time goes by, FBT technology has become the basic technology for optic fiber coupler fabricating,higher and higher precision machine(coupler workstation) has emerged to deal with more and more demands on high quality, high precison and high stabilty optic fiber couplers. Such as dual-windows broadband fiber splitters, high isolation WDM units, and a lot of other new components.

Model	ST-2010
Application	Standard Coupler Wide-band Coupler WDM Coupler Special Coupler
Movement Resolution Of Fiber Chucks	0.001um/um/Step
Pulling speed(one side)	0-400um/sec
Stroke Length Of Fiber Chucks	25-100mm
Pre-Pulling	0.001-10mm
Movement Resolution Of Torch Unit	3 axes 1.5mm/step
Hydrogen Flow Control	0-300 sccm
Pre-Package Unit	Auto
Curing Temperature Of Pre-Package Unit	Continuous Adyustment
Photo Detectors	φ2mm InGaAs
WaveLength Range	850nm-1650nm
Power Meter Range	+3dBm - -70dBm
Power Meter Accuracy	±5%(-10dBm,23°C)
Power Meter linearity	±0.02dB(+3dBm - -60dBm)
Dimension(w×d×h)	558×398×250
Voltage Supply	110VAC or 220 VAC 50/60Hz
Power Consumption	320W

Features

High-capacity, high reliability,flexible Manufacturing
High-precision, large-scale, multi-wavelength online measurement
Real-time monitoring. East-and-quick positioning
"nm" level breakdown of micro-level drive
Mechanical precision, ultra-smooth operation,shock-proof design
Modular design, easy maintenance and upgrade
Additional low loss, good consistency of Products
Windows-based software package, user-friendly, convenient operation, powerful The use of hydrogen generation device to eliminate potential safety problems High precision of splitting ratio,Good environmental stability

Application

Fiber pull machine
Optical power monitoring meter
Hydrogen gas flow controlling devices
Ultraviolet Light Solidified
Device+Manual encapsulation
Automatic encapsulation heating solidifying.Computer for controlling

Order Info:

Standard Package		
Main Workstation	1	Set
FC/PC Bare Fiber Adaptor	2	Set
Hydrogen Flow Controller	1	Set
ST-2010 Software Package(Windows 7 professional)	1	Set

Optional		
Stable Laser Light Source 850/980/1310/1550nm		
1×2 or 1×4 Optical Switch for Light Source Input		
Manual PDL Controller		
Ultra Stable Torch Head		
Training Program		

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ST-2020 FBT Fiber Coupler Workstation (PM coupler)

(A) Software features

- According to stretch length and cone shape of difference to set fire scanning range.
- change the tensile speed according to the tensile length and the temperature change.
- the flow rate of hydrogen oxygen can be varied according to the tensile strength and tensile strength.

(B)Hardware features(according to the differences in the development of device,select different hardware design)

- SUNMA independent design of hydrogen oxygen mixed torch head, improve the original upper and lower temperature caused by oxygen and instability problems and improve the heating temperature and heating uniformity
- Adopt the imported sliding line and precision ball screw pole to ensure maximum single side stretch range of 40mm
- the use of imported hydrogen flow meter, driver, to ensure the stability of the flame temperature in the process of stretching
- Design special fixtures for the use of fiber core diameter.
- According to the working wavelength of the device, different detectors are selected.
- Select the appropriate range of flow meter based on the optical fiber core diameter.
- Adopt the imported sliding line and precision ball screw to ensure maximum heating temperature.
- According to the requirements of fiber taper design, different torch head and fixed way
- On the basis of the customized optical fiber stretching platform, open the ordinary fiber pull taper function, truly realize the "one machine, a variety of functions"
- CCD vision system (optional), the process of supporting the observation fiber to the axis / taper cone whole process.

(C)Compared with the other fused taper machine

- Nice processing shell Case, with excellent industrial texture.
- 1/3 longer than other machine, to ensure the convenience of machine upgrade.
- with precision ball screw (2mm), to ensure that the machine is equipped with axial tension accuracy and stable movement speed.
- Besides the production of taper platform, in the selection of special optical fiber, packaging materials and finished product testing instruments, we can provide the above suggestion to users with one station service.

Ordering Information

| ST-2020-X:	
ST-2020	SM fiber fused taper station
ST-2020-P	PM fiber coupler station
ST-2020-B	larger core size fiber coupler/combiner station
ST-2020-C	Other Customized station

SUNMA AP-SSAS Optical Alignment System

Features:

Low-cost, compact and fast Auto-Alignment machine for PLC pigtailing

Fast 1st light searching by near IR Camera(visible band to 1330nm) & rapid and automatic alignment

Fast automatic pitch-yaw parallelism adjustment

Accurate gap distance control by means of touch sensor

Precision motion platform of Newport delivers high accuracy and repeatability

Powerful software for easy operation

Total alignment time: ~ 125s

In addition to automatic, as well as semi-automatic and manual options

Applications:

- Silicon waveguide alignment/coupling
- 1xN PLC Splitter
- 2xN PLC splitter
- Arrayed waveguide grating
- Collimator
- Special/customized optical fiber and other related optical waveguide alignment
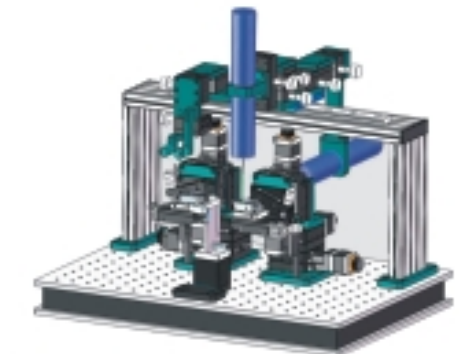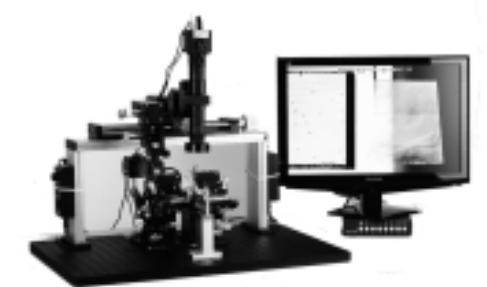
Fiber WDM Alignment Workstation

SUNMA AP-WDM Alignment Workstation

Feature

The right-hand electric five-axis single-sided design makes it easy for users to apply it to other types of devices.

The left hand end has a manual pull-off stage for the customer to manually dispense the glue.

The clamp is pneumatically driven for convenience and speed. Manual clamps are also available.

Dual camera for easy viewing.

Fully automatic dispensing and UV curing to reduce the labor intensity of operators.

The dispensing effect is good and the yield is high.

A full range of UV shields.

The algorithm is excellent, stable and fast. The light time is < 10 seconds.

The coupled data can be linked to the customer network and saved to its database.

Support for barcode scan input.
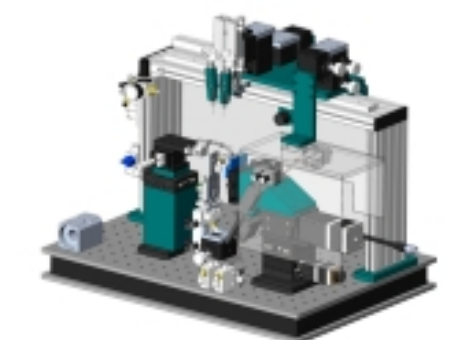
SUNMA AP-AWGMUX Alignment Workstation

System composition

DEMUX
1) High-precision manual six-axis stage (HM-6)
2) FA fixture
3) Waveguide chip fixture
4) Dual lens observation unit (HVOS-V2)
5) PD probe and adjustment mechanism
6) UV light source fixture
7) gantry, optical plate
8) Light source with high speed optical switch (1271 / 1331)
MUX
1) High-precision manual six-axis stage (HM-6)
2) FA fixture
3) Waveguide chip fixture
4) Dual lens observation unit (HVOS-V2)
5) UV light source fixture
6) gantry, optical plate
7) Light source and optical power meter with high speed optical switch (1271 / 1331)

Related Equipment & Raw Materials

Hydrogen Flow Controller (FBT Coupler)

Light Source (Manual PDL Controller)

UV Curing Light Source

UV Curing Oven

Temperature Cycle Chamber

Fiber FA

PLC Splitter Chips

V Groove

ABS Box for Packing

Steel Tube for Packing

Mini-Module for Packing
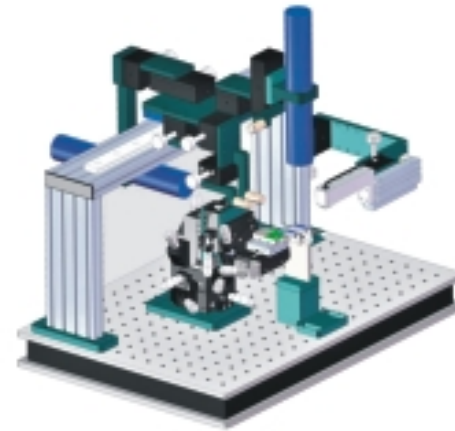
Handheld Fiber Tools

Miller CFS-2 Fiber Stripper

Sunma Fiber Stripper

Jonard JIC Fiber Stripper

Sunma Fiber Coating Stripper

Sunma 3 Port Fiber Stripper

Miller FO103 Fiber Stripper

Miller KS-1 Kevlar Shears

CRP-MPO Fiber Crimp Tool

Sunma Special Fiber Crimper

STXC-1 Sunma Kevlar Scissors

Sunma 3 Port Fiber Stripper (2)

Sunma FTTHrop Cable Stripper

MS1-08S-40-FS Stripping 900um B Duffer & 250um Coatinga

MS-4T-06S-13-FS Soft-Strip Single Fiber Stripper 250~125um

Sunma Fiber Crimper

ST-1400 Field Assembly Connector(FAC) Toolkit

Standard Package:

Item	Description & Model	Qty
1	Buffer & Coating Stripper(from 900um to125um), MS1-08S-40-FS	1
2	Three Hole Fiber Optic Stripper, FOS-003	1
3	Yellow & Black Handle Kevlar Scissors, KC-512Y	1
4	Ideal Coaxial Cable Stripper, 45-162	1
5	High Precision Fiber Cleaver, FC-6S-C	1
6	Mini Visual Fault Locator, VFL-10MW	1
7	Fiber Optic CleanWipes, CW4X4, 4"*4", 100pcs	1
8	Leak proof Alcohol Bottle Pump, ABP-200ML	1
9	ABS Portable Carrying Case(345*268*120mm)	1

Key Features:

1.Designed for pre-polished fast connectors;
2. Including cutter, stripper, cleaver, and cleaner; ;
3. Spare space to increase tools; ;
4. Customized .

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ST-2600 Fiber Termination Toolkit

No.	Item Name & Model#	Std Pack Qty
1	6PCS Electronic Screwdriver Set	1
2	Measuring Tape(3.5m)	1
3	Mini Hack Saw	1
4	Cleaning Swab 25 PCS Package	1
5	Mid-Span Jacket Slitter	1
6	Carbide Fiber Scribe	1
7	Fiber Optic Tweezer	1
8	Mark Pen, FJ-505	1
9	Precision Art Knife,DK-2039	1
10	Parallel Tip Screwdriver, (-)5*150MM	1
11	Crosspoint Screwdriver, (+)#1*150MM	1
12	Parallel Tip Screwdriver, (-)6*150MM	1
13	Crosspoint Screwdriver, (+)#2*150MM	1
14	9PCS Ball-Point Hex Key Set	1
15	Cable Jacket Slitter 3-35mm/ TC-105C	1
16	Adjustable Wrench (8")	1
17	Jacket Stripper	1
18	Fiber Optic Kevlar Cutter,FOKC-1 or KS-1 Miller	1
19	Fiber Optic Stripper, CFS-2	1
20	Long Nose Plier(6)	1
21	Steel Wire Cutter(6)	1
22	Diagonal Cutting Plier	1
23	Optical Cable Wire-cutter	1
24	Air Blow, MS-154	1
25	Alcohol Bump Bottle, ABP-200ML	1
26	ABS Heavy Duty Tool Case (465*335*150mm)	1

Description and Key Features:

(1).Toolkit ST-2600 is ideal and utility for optical fiber cable construction.

(2).It is widely used in optical fiber fusion splicing / termination work and maintenance for fiber optic telecommunication.

(3).It includes all kinds of the most frequent used tools, which cut kevlar and slit jacket.

(4).26 items including Heavy ABS carrying case.

(5).And most of the hand tools are necessary for optical fiber fusion splicing.

Other Fiber Toolkits (Polishing，Cleaning, Testing，MTP/MPO Toolkit)

ST-2800 Fiber Cabling Toolkit

Toobox ST-2800 is ideal and utility for optical fiber cable construction. It is widely used in optical fiber fusion splicing and maintenance for fiber optic telecommunication. It includes all kinds of the most frequent used tools, which cut kevlar and slit jacket. And most of the hand tools are necessary for optical fiber fusion splicing.

Detail List:

No.	Item	Place of Origin	QTY
1	Kevlar Scissor	Taiwan	1 PCS
2	CLAUSS Coating Stripper	USA	1 PCS
3	Tube Sleeve stripper	Taiwan	1 PCS
4	Steel Wire Cutter(7)	Japan	1 PCS
5	Bevel Blade Plier(6)	Japan	1 PCS
6	Long Flat Nose plier(6)	Japan	1 PCS
7	Monkey Wrench(8)	Japan	1 PCS
8	Tightwire Cutter	Japan	1 PCS
9	Fiber Optic Tweezer	Taiwan	1 PCS
10	Fiber Core Scriber	Taiwan	1 PCS
11	Parallel Tip Screwdriver	Taiwan	1 PCS
12	Crosspoint Screwdriver	Taiwan	1 PCS
13	Cleaning Balloon	Taiwan	1 PCS
14	Alcohol pump bottle	China	1 PCS
15	Cable Jacket Slitter 3-35mm	Japan	1 PCS
16	Adjustable Transverse Stripper 4-12mm	Taiwan	1 PCS
17	Longitudinal CABLE Slitter KMS-K	UK	1 Set
18	Tube Sleeve Slitter	South Korea	1 PCS
19	RCS-Round Cable Slitter	USA	1 PCS
20	Precision screwdriver (6 PCS)	Japan	1 Set
21	Inner-six angle wrench (9 PCS)	Taiwan	1 Set
22	Parts Collection Box	China	1 PCS
23	Sleeve Screwdriver Kit (10 PCS)	USA	1 Set
24	Art Design Knife	Japan	1 PCS
25	Measuring Tape(3.5m)	Japan	1 PCS
26	Mini Hack Saw	USA	1 PCS
27	Mark Pen	Japan	1 PCS
28	Reinforced Aluminium Case	Taiwan	1 Set

Other Fiber Toolkits (Polishing，Cleaning, Testing，MTP/MPO Toolkit)

ST-1600 Fiber Splicing Toolkit

MTP Toolkit - Change Polarity and Pins

ST-2900 Fiber Test & Restoration Kit

ST-2700 Fiber Inspection & Cleaning Kit

ST-3200 Fiber Field Polishing Toolkit

ST-2950 Fusion Splicing ToolKit

ST-300P WiFi/USB Digital Fiber Probe

Wifi / USB quick switch for dual use
USB digital support in Windows/Linus/Mac
Wifi support in Android and iOS
Optional Pass/fail analysis feature
Image capture button to save time
Built-in lithium rechargeable battery for 5hr use
98% consistent alignment to centralize end face
400× magnification, <1μm resolution
40+ tips to inspect all bulkhead/patch cord
connectors with PC/UPC/APC end face
Adjustable LED button for light source control
CE/CEM/RoHS Certified

Applications

Inspect with the Android/iPhone mobile via Wifi channel
Inspect with the PC/OTDR/laptop/tablet via USB port
Optional Pass/Fail analysis feature on iPhone
Optional Advanced Pass/Fail analysis feature on
Windows OS 7/8/10

ST-70 Handheld Fiber Video Microscope

ST-70H Type (3.5inch Display)
Magnification 200x
Resolution: 1um
Display type TFT-LCD 25000pixel
Image diameter 25 mm
Brightness and lightness adjustable, convenient for observing.
Battery Life: 5~6 hours
Power lithium battery and battery charger 110–220V / 12V
Output port: USB2.0 (Optional)

ST-71 & ST-72 Handheld Fiber Probe

ST-71&ST-72 are probes of high resolutions. With
suitable tips, they could check various ferrules and
adapters in FTTH construction and maintenance.
4-Pin Regular Inspection Probe & USB Analysis
Inspection Probe

Features:

- USB1.0/1.1/2.0 output;
- Analysis Software;
- Windows; Linux System
- Option1: Probe + 3.5'' SD-LCD
- Application: Field or Indoor
- Advantage: Data saving
- Option2: Probe + BNC converter
- Application: Mainly Indoor
- Advantage: Economy

Type	ST-71	ST-72
Magnification	400x or 250x	
Resolution Ratio	0.75 um	
Analysis System	Windows/Linux	N/A
Display Screen	N/A	3.5'' TFT-LCD, 960x240 pixels
Power Supply	12.6V Li Battery	
Weight (kg)	Probe (0.16)	Probe (0.16); Monitor (0.28/0.4);
Dimensions (cm)	Probe (18*4*3.5)	Probe (18*4*15); Monitor ((14.5*7.5*4/17*1*0*4.5)
Work/Storage	-20ºC~+50ºC	-30ºC~+60ºC

CLE Fiber Cleaning Pen

Feature an easy action which quickly and effectively cleans the end–face of connector ferrules on jumpers or through adapters. SUNMA low cost cleaning tools are a great option to clean your connectors and maximize your network performance at a fast, easy and effective way. Applications include LC, MU 1.25mm ferrules, SC, ST, FC, LSH 2.5mm ferrules, and MPO versions.

CLEP MPO/MTP Cleaner

Features

- Effective on a variety of contaminates including dust and oils
- Intermateablitiy with Focis -5(MPO)
- Capable of cleaning ferrules with or without guide pins
- Capable of cleaning MPO ferrules inside or outside an MPO adaptor
- Narrow design reaches tightly spaced MPO adapters
- Easy one -handed operation
- CLEP-MPO up to 500 cleanings; CLEP-MPO-T up to 700 cleanings
- Low cost per clean

Applications

- Clean multimode and single-mode(angled) MPO connectors
- Clean MPO connectors in adaptors
- Clean exposed MPO ferrules
- Great addition to cleaning kits

CLE-BOX Fiber Cassette Cleaner

CLE-BOX is an essential accessory to maintain and guarantee good quality of fiber optic connection. LC/SC/FC/ST/MU/D4/DIN Connector (500 cleans)
It is a high performance non-alcohol cleaner designed specifically to clean fibre end faces of any male fibre connector. Using a superfine textile tape, it easily and efficiently cleans the fibre end face without nicking or scratching the surface or leaving alcohol bloom in order to maintain good quality optical connections. Cassette tapes are available for replacement after 500+ cleaning operations to ensure low cleaning cost.

Special non-alcohol superfine fiber.
Well Handle and antistatic
Feiendly using, efficient cleaning
Esay to replace the tape, no pollutions
Cleaning time 500+ per box
Level of cleaning is 100.
Applications LC/SC/FC/ST/MU/D4/DIN/MPO/MTRJ
Dimension 115*79*32mm

ST-838 Electrical Fiber Cleaner

The ST-838 electric cleaner is the upgrade version of ST-136 with a dry clean of all the dirt/particles etc., regular and stubborn contaminants on the fiber end face of all regular connectors as SC/FC/LC/MU/E2000 etc., PC/APC patch cord or bulkhead etc., female and male adaptors. The cleaning material inside the cleaner presses the end face under certain pressure, absorbs and takes out the dusts via an electrical sweeping way in seconds to finish the clean. It offers a high efficiency clean solution to the clients since it's most applied in the QA clean for patch cord/module/transceiver manufacturer and complex network maintenance personnel.

ST-900 Multi-function Fusion Splicer

- 1s boot up, 6s splicing, 16s heating
- 6 motors accurate fiber alignment technology
- Bluetooth remote assistance system
- Fiber type identification automatically
- Real-time ARC calibration automatically
- Industrial quad-core CPU, Imported core parts
- Anti-shock, Anti-Dust and waterproof
- Apply to bare fiber, patch cord, drop cable etc

Specifications

Applicable fiber	SM(G.652), MM(G.651), DS(G.653), NZDS(G.655), others)including G.657
Applicable fiber	SM)ITU-T G.652),MM(ITU-T G.651),DS)ITU-T G.653),NZDS)ITU-T G.655)
Diameter of cladding	80 -150µm
Diameter of coating	160 – 900µm
Typical splice loss	SM:0.02dB, MM:0.01dB, DS:0.04dB, NZDS:0.04dB
Return loss	>60db
Fiber cleaved length	10~16mm (coating diameter< 250µm), 16mm(coating diameter: 250~1000µm)
Splicing program	40 groups
Operate mode	Manual, Automatic
Auto-heating	Available
Typical splicing time	6 seconds
Tube heating time	16 seconds for 60mm and 40mm shrinkable sleeves
Fiber view magnification	250X(X or Y view), 125X(X and Y view)
Viewing method and display	2 CMOS cameras, 5.0 inch color LCD monitor
Storage of splice result	4000 results
Loss evaluation	Available
Tension test	1.8~2.2N
Interface	GUI menu interface, easier operation
Battery capacity	5200mAh Li-battery, typical 250 cycles(splicing and heating),support independent charging
Power supply	Adaptor, input: AC100~240V(50/60HZ),output: DC11-13.5V
Electrode life	More than 4000 ARC discharges, can be replaced conveniently
Terminals	USB 2.0 port, for uploading splice results and upgrading software
Operating condition	Altitude: 0~5000m, Humidity: 0~95%, Temperature: -25℃~+50℃,Wind speed: max 15m/s
Dimension	160mm(L)x136mm(W)x140mm(H)
Weight	2.20kg including battery

Standard Package

① Carrying Box
② Fiber Stripper
③ Cooling Tray
④ Spare Electrodes
⑤ Fiber Cleaver
⑥ Adapter
⑦ Strap
⑧ Drop Cable Stripper
⑨ Power Cord
⑩ Operation Manual

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ST-800 FTTx Fusion Splicer

- 6s for splicing and 18s for heating
- Core to core alignment technology
- Anti-shock, Anti-dust and waterproof
- Automatic ARC value & position calibration
- USB port for software updating and data records exporting
- 5800mAh Li-battery, more than 220 cycles splicing&heating
- Multi-function holder clamps, apply to bare fiber,pigtail,patch cords,drop cable etc.

Specifications

Applicable fiber	SM(G.652), MM(G.651), DS(G.653), NZDS(G.655), others(including G.657)
Diameter of cladding	80 ~150μm
Diameter of coating	160 – 900μm
Typical splice loss	SM:0.02dB, MM:0.01dB, DS:0.04dB, NZDS:0.04dB
Return loss	>60db
Fiber cleaved length	10-16mm (coating diameter< 250μm), 16mm(coating diameter: 250-1000μm)
Splicing program	40 groups
Operate mode	Manual, Automatic
Auto-heating	Available
Typical splicing time	6 seconds
Tube heating time	18 seconds for 60mm and 40mm shrinkable sleeves
Fiber view magnification	250X(X or Y view), 125X(X and Y view)
Viewing method and display	2 CMOS cameras, 4.3 inch color LCD monitor
Storage of splice result	4000 results
Loss evaluation	Available
Tension test	1.8-2.2N
Interface	GUI menu interface, easier operation
Battery capacity	5800mAh Li-battery, typical 220 cycles(splice and tube heat)
Power supply	Adaptor, input: AC100-240V(50/60HZ),output: DC11-13.5V
Electrode life	More than 4000 ARC discharges, can be replaced conveniently
Terminals	USB 2.0 port, for uploading splice results and upgrading software
Operating condition	Altitude 0-5000m, Humidity: 0-95%, Temperature: -10℃~+50℃,Wind speed: max 15m/s
Dimension	149mm(L)x120mm(W)x127mm(H)
Weight	1.9kg including battery
Package	Packed in carton with protection foam, Size 43cm×37cm×27cm, G.W.6.5kg

ST-700 ARC Fusion Splicer

- Core to core digital alignment
- High definition 5.7" colorful LCD
- PAS image digital processing system
- 360°rubber armor protecting from shock
- Intelligent operation, auto heating and fusing
- Arc calibrated by temperature and pressure parameters
- Various display group, max magnification up to 300X
- 8 seconds typical splicing and 28 seconds heating

Specifications

Applicable fiber	SM(ITU-T G.652), MM(ITU-T G.651), DS(ITU-T G.653), NZDS(ITU-T G.655),Others(in cladding G.657)
Cladding diameter	80 ~150μm
Coating diameter	160 – 900μm
Typical splice loss	0.02dB(SM), 0.01dB(MM), 0.04dB(DS), 0.04dB(NZDS)
Return loss	>60dB
Cleaved length	10-16mm (coating diameter< 250μm), 16mm(coating diameter: 250-1000μm)
Splicing program	40 groups
Operate mode	Manual, Automatic
Auto-Heat	Available
Typical splicing time	8 seconds
Heating time	28 seconds for 60mm, 40mm shrinkable sleeves
Magnification	300 times for single display, 150 times for double display
Photoelectric system	Two high sensitive cameras, 5.7' 640×480 colorful LCD
Splicing data record	Storing up to 4000 groups of records
Loss evaluation	Available
Tension test	1.8~2.2N
Interface	GUI menu interface, easy operation
Battery capacity	8800mAh, 250 times fusion and heating, pluggable, real-time power monitor
Power supply	Adaptor, input: AC 100-240V (50/60HZ) , output: DC 11-13.5V
Electrodes lifetime	More than 4000 times splicing, electrodes can be replaced conveniently
External port	USB2.0 port, used to derive splicing record data, software upgrade
Operate environment	Altitude 0 ~5000m, Relative humidity 0~95%, Temperature: -10℃~+50℃, Wind speed max 15m/s
Volume/Weight	160mm(L)×150mm(W)×145mm(H) / 2.75kg (including battery)
Package	Packed in carton with protection foam, Size 53cm×32cm×36cm, G.W.9.5kg

8800mAh pluggable battery for > 250 cycles splicing and heating

Standard Package

1 Carrying Box　　2 Fiber Stripper　　3 Cooling Tray　　4 Spare Electrodes　　5 Fiber Cleaver
6 Adapter　　7 Strap　　8 Drop Cable Stripper　　9 Power Cord　　10 Operation Manual

1 Carrying Box　　2 Fiber Stripper　　3 Cooling Tray　　4 Spare Electrodes　　5 Fiber Cleaver
6 Adapter　　7 Strap　　8 Drop Cable Stripper　　9 Power Cord　　10 Operation Manual

ST-600 Handheld Fusion Splicer

- Small, light, long battery life
- 4 motors accurate core alignment
- 250 times magnification of fiber cores
- 7s fast splicing, 26s intelligent heating
- More than 4000 times electrodes discharging
- 4400mAh Li-batery, 220 cycels splicing and heating
- Inductive automatic heater, not heating without fibers
- 3 in 1 multi-function clamps, new waterproof structure
- Apply to bare fibers, drop cables and jumper wires splicing

Applicable fiber	SM(G.652), MM(G.651), DS(G.653), NZDS(G.655), others(including G.657)
Applicable fiber	SM)ITU-T G.652),MM(ITU-T G.651),DS)ITU-T G.653),NZDS(ITU-T G.655)
Diameter of cladding	80 -150μm
Diameter of coating	160 – 900μm
Typical splice loss	SM:0.02dB, MM:0.01dB, DS:0.04dB, NZDS:0.04dB
Return loss	>60db
Fiber cleaved length	10-16mm (coating diameter< 250μm), 16mm(coating diameter: 250-1000μm)
Splicing program	40 groups
Operate mode	Manual, Automatic
Auto-heating	Available
Typical splicing time	7seconds
Tube heating time	26 seconds for 60mm and 40mm shrinkable sleeves
Fiber view magnification	250X(X or Y view), 125X(X and Y view)
Viewing method and display	2 CMOS cameras, 4.3 inch color LCD monitor
Storage of splice result	4000 results
Loss evaluation	Available
Tension test	1.8-2.2N
Interface	GUI menu interface, easier operation
Battery capacity	4400mAh Li-battery, typical 220 cycles(splice and tube heat)
Power supply	Adaptor: input: AC100-240V(50/60HZ),output: DC11-13.5V
Electrode life	More than 4000 ARC discharges, can be replaced conveniently
Terminals	USB 2.0 port, for uploading splice results and upgrading software
Operating condition	Altitude: 0-5000m, Humidity: 0-95%, Temperature: -10℃~+50℃,Wind speed: max 15m/s
Dimension	200mm(L)x123mm(W)x95mm(H)
Weight	1.6kg including battery
Package	Packed in carton with protection foam, Size 43cm×37cm×27cm, G.W.6.3kg

① Carrying Box
② Fiber Stripper
③ Cooling Tray
④ Spare Electrodes
⑤ Fiber Cleaver
⑥ Adapter
⑦ Strap
⑧ Drop Cable Stripper
⑨ Power Cord
⑩ Operation Manual

ST-107 Fiber Cleaver

Specifications:

ST-107 Fiber Optic Cleaver	
Fiber type	Single fiber, ribbon fiber
Clad diameter	125um
Coating diameter	250~900um
Cleave angle capability	<0.5°
Cleave length	5~20mm
Blade lifetime	36,000 fiber cleaves
Dimension	60mm(W) x 55mm(D) x 45mm(H)
Weight	280g

ST-105 Fiber Cleaver

Specifications:

Fiber Diameter	125 micron
Coating Diameter	250-900 micron
Cleave Angle	90 + (-) 0. 5degree
Cleave Length	Single 5-20mm
Blade Lifetime	48. 000 cleaves

Fujikura CT50 Fiber Cleaver

Fujikura CT08 Fiber Cleaver

Sumitomo FC-6S Fiber Cleaver

Fujikura CT-30 Fiber Cleaver

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