

VEVOR®

TOUGH TOOLS, HALF PRICE

Technical Support and E-Warranty Certificate

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OPTICAL FIBER FUSION SPLICER

MODEL:ALK-T8

We continue to be committed to provide you tools with competitive price.

"Save Half", "Half Price" or any other similar expressions used by us only represents an estimate of savings you might benefit from buying certain tools with us compared to the major top brands and does not necessarily mean to cover all categories of tools offered by us. You are kindly reminded to verify carefully when you are placing an order with us if you are actually Saving Half in comparison with the top major brands.

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OPTICAL FIBER FUSION SPLICER

MODEL: ALK-T8



NEED HELP? CONTACT US!

Have product questions? Need technical support? Please feel free to contact us:

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This is the original instruction, please read all manual instructions carefully before operating. VEVOR reserves a clear interpretation of our user manual. The appearance of the product shall be subject to the product you received. Please forgive us that we won't inform you again if there are any technology or software updates on our product.

IMPORTANT SAFEGUARDS



Warning:

Please strictly follow the safety guidance of the manual in application of the optical fiber fusion splicer (Here in after referred to as Splicer). The ignorance or violence of the rules or notice stressed in the manual may cause electric shock, fire disaster and injuries to users. The manufacturer shall take no responsibilities of accidents caused by improper use.

1. The input voltage of this model of machine is definite; please do not use the voltage outside the scope. Please use the correct AC and DC power supply.

2. When the fusion splicer comes across the following failures, please immediately remove the AC power cord from the power supply input and turn off the fusion splicer, otherwise will lead to the incapable of the repairing and even will cause personal injury, death and fire.

- ★ Smoke, smell, noise or heat anomaly

- ★ Broken or damaged machines

- ★ Liquid or foreign matter enters the interior of the machine

3. This model of fusion splicer does not have the need to maintain internal components, dismantling of fusion splicer and power modules is prohibited; any mistake in maintenance will lead to the machine beyond repair even causing bodily harm.

4. The machine has strictly limitation to the power supply module used.

5. The fusion splicer is prohibited to be used under the environment with the inflammable liquid or flammable gas; otherwise will lead to fire, explosion and other serious consequences.

- Disclaimer Clause

The Company does not assume any liability for all damage caused by the use of non original battery.

- To avoid possible wrong operation or insecurity, a valid ground three-hole socket must be used when AC/DC adaptor access to AC 220V 50HZ power.

CORRECT DISPOSAL



This product is subject to the provision of European Directive 2012/19/EC. The symbol showing a wheeled bin crossed through indicates that the product requires separate refuse collection in the European Union. This applies to the product and all

accessories marked with this symbol. Products marked as such may not be discarded with normal domestic waste, but must be taken to a collection point for recycling electrical and electronic devices

BATTERY DISPOSAL



To minimize hazards to health and the environment at the end of this product's life, laws dealing with Waste Electrical and Electronic Equipment (WEEE) and The Waste Battery Directive require you to dispose of this product at a suitable collection facility where it will be sent in order to remove the batteries and for appropriate recycling. Please contact your local authorities for more details on recycling and safe disposal of these in your area.

FCC INFORMATION

CAUTION: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment!

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

This product may cause harmful interference.

This product must accept any interference received, including interference that may cause undesired operation.

WARNING: Changes or modifications to this product not expressly approved by the party responsible for compliance could void the user's authority to operate the product.

Note: This product has been tested and found to comply with the limits for a Class B digital device pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This product generates, uses and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this product does cause harmful interference to radio or television reception, which can be determined by turning the product off and on, the user is

encouraged to try to correct the interference by one or more of the following measures.

- Reorient or relocate the receiving antenna.
- Increase the distance between the product and receiver.
- Connect the product to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for assistance.

1. Working Environment

1.1 Cautions for use/storage of the splicer:

- Working Temperature: -10°C ~ + 45°C
- Temperature Limitation: - 20°C ~ + 55°C
- Working Humidity: ≤95%RH (No condensation)
- Maximum Wind Speed: 15m / s
- Storage Conditions : - 10°C ~ + 45°C (With Battery, No Condensation)
 -20°C + 60°C (No Battery, No Condensation)

Don't use the splicer in environment vulnerable to fire, explosion in case any fire disaster or explosion caused.

Don't use or store the splicer in environment of high temperature or high humidity in case any damages to the machine caused. When the splicer is moved from low temperature environment to environment of higher temperature please take possible warming up measures to eliminate condensation.

Please take suitable dust-resistance measures when using the machine in dusty environment to prevent lots of dust getting into the machines and causing device malfunction.

2. Power Supply

Please use the matching accessories of the splicer and don't use any power adapter, battery or power cord that are not specified in the instruction.

Please don't use the splicer under the voltages that are not specified for the model in case any fire disasters or electric shock caused. The customized car charger power cord is only available for 12V power supply of gasoline cars. In any circumstances, users shall not use it on diesel car with 24V power supply.

3. Battery

Please strictly follow the instructions when using the battery. Improper use of battery may cause battery heating up, burst, explosion, fire disaster or injuries to users.

Please do not charge the battery with methods that are not specified in the manual.

Do not dispose the battery in fire.

Do not reverse the positive and negative poles.

Do not expose the discharging battery under sunshine or in environment with high temperature or in fire.

Do not throw or strike on the battery.

If the battery electrolyte leaks out, please handle it carefully. If user's skin or eyes are contaminated by electrolyte accidentally, please wash it thoroughly and look for medical help immediately. At the same time please inform the after-sales department to handle the battery.

4. Other Cautions

Please prevent any liquid or metal materials getting into the internal structure of the product, or possible fire, electric shock or product malfunction may be caused. Once water or any metal materials get into the product please stop using, cut the power supply, turn off the equipment and contact the maintenance service department.

Please do not touch the electrodes when the equipment is working in case getting hurt by the high voltage. Please do cut the power supply and turn off the equipment before changing electrodes.

Do not disassemble or demolish the splicer, its battery or its adapter in case overheating, burst or fire disaster caused.

Except the components that are allowed to be changed in this manual please do not try to demolish any parts of the splicer. The maintenance or repair of the equipment must be operated by professional technicians from our company, improper operations may cause fire or electric shock.

Do not touch the shrinkable tube in heating process or when it's just finished, as the shrinkable tube is very hot and may cause scald.

Do not touch the splicer, power cord or power plug with wet hands in case electric shock caused.

Do not clean the microscope lens, V groove, screen etc with any chemical materials except alcohol. Otherwise it may cause image blur or spots on screen, or may even cause corrosion or damage of the equipment.

Please prevent the equipment from strong shaking or crash, or the equipment may be damaged. Please transport or store the splicer by dedicated carrying box.

Please do entire machine maintenance once a year to maintain the performance of the splicer.

Legal Notices

- ◆ Without literal authorization from our company, any organizations or individuals shall not extract, copy part or all of the contents of the manual and shall not be disseminated in any form .
- ◆ This manual describes the product and the features or functions of its accessories are determined by production batches. Thus the product or its accessories described in the manual may not be the same with the ones you purchased. The manufacturer keeps the right of amending the manual whenever it's necessary without formal notice and shall take no responsibility for such actions.
- ◆ Notice: Please thoroughly read the instruction manual to operate the splicer more accurately and professionally.

Production Introduction

Optical Fiber Fusion Splicer is mainly used for optical fiber cable maintenance and relative operations. Thus it is also called fiber cable splicer. It is a device that uses high precision propulsion structure to push two fibers to get closer to each other and uses an electric arc to melt two optical fibers together at their end faces, to form a single long fiber.

Optical fiber fusion splicers are mainly applied by : Telecom carriers, ISP, network project contractors, laboratories. And they're applied in : Fiber cable network maintenance, telecom projects, emergent repairing, optical experiments, manufacture and testing of optical devices, academic researches in colleges.

1. Introduction of Function Buttons

Appearance	Name	Function
	Power	Turn on/off the power
	Heat	Turn on/off heating
	Menu	Enter menu page/Confirm or save
	Direction	Direction operation for menu and fiber in manual splicing mode
	X/Y Switch/Quit	Switch X/Y vision field, and quitting function for menu interface
	Reset	Reset the motor
	Set	Start the splicing

2. Description of Product Structure

Appearance	Name	Function
	Heater	For heating process of shrinkable tubes after splicing
	Battery buckle	Put on/ take off the battery

3. Fundamental Parameters

Applicable Fibers

- Applicable Fibers Type : SM, MM, DS, NZDS, UI ,BUI, EDF, etc.
- Applicable Core Type: Single Core
- Applicable Fiber Diameter : Cladding diameter 80-150 μ m , Coating diameter 100 ~ 1000 μ m.

Splicing Mode

- Pre-store: 15 groups. Customize: 1000 groups
- Splicing Results Recording: 100,000 group splicing records & 10,000 images storage
- Splicing Speed: 13Sec(Standard Mode) 9Sec (Fast Mode)
- Alignment: Core to core alignment, clad to clad alignment

Splicing Loss

- Average Splicing Loss: 0.02dB(SM), 0.01dB(MM), 0.04dB(DS), 0.04dB(NZDS)
- Return Loss: $\geq 60\text{dB}$
- Splicing Loss Estimation: Exist

Power Supply

- Power adopter : Input 220V $\pm 10\%$, 1.4A, 50/60Hz. Output: 13.5V/5A
- Battery: 11.1V Lithium battery, typically splicing and heating 260 times, charging time 3h, rechargeable 500 times, 7800mAh lithium battery

Operation Conditions

- Operation Environment: Altitudes 0 ~ 5000m, relative humidity 0 ~ 95%(No condensation), temperature -20°C ~ 55°C, maximum wind speed 15m/s
- Storage Conditions: Relative humidity 0 ~ 95% (No condensation), temperature -40°C ~ 80°C
- Corrosiveness Resistance: The main device, components and constituent materials meet the requirements of GB/T 2423.54-2005 corrosion and are not vulnerable to the corrosiveness of fluid pollution.

Weight and Size

- Equipment weight: 1.85KG(including battery)
- Volume: 200×144×128 mm

Heating Shrinkable Tube

- Applicable Diameter: 2mm, 3mm, 4mm, 6mm

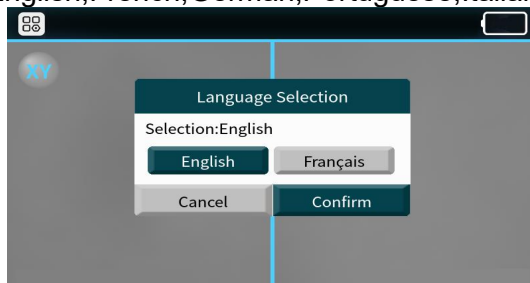
- Applicable Length: 60mm, 50mm, 45mm, 40mm, 25mm, 20mm
- Heating Time : 2mm tube(10-15S adjustable), 4mm tube (14-19S adjustable), 6mm tube(17-23S adjustable)
- Heating Temperature: 10-260℃(Custom)
- Automatic Heating : Auto fiber recognition and heating after covered

Other Parameters

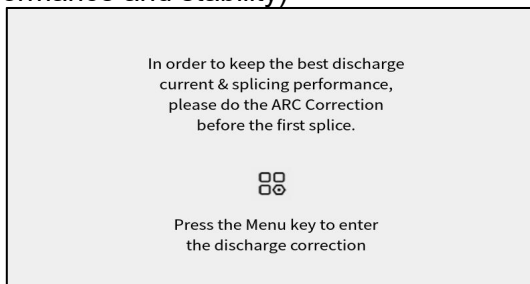
- Tension Test: $\cong 2N$ (Optional)
- Display: 5 inches TFT true color HD LCD screen, support multi-language selection.
- Magnification: X/Y:210 times, X/Y:320 times The result can be double-clicked to magnify 1100 times after the fusion is complete.
- USB Port: USB2.0
- Illumination: LED double white light
- Screen operation: Keyboard ☐ Touch screen ☐

4. Initial Interface

- **Language Selection**(English,French,German,Portuguese,Italian,Spanish)



- ◆ **First time ARC Correction**(ARC correction could enhance the splicing performance and stability)



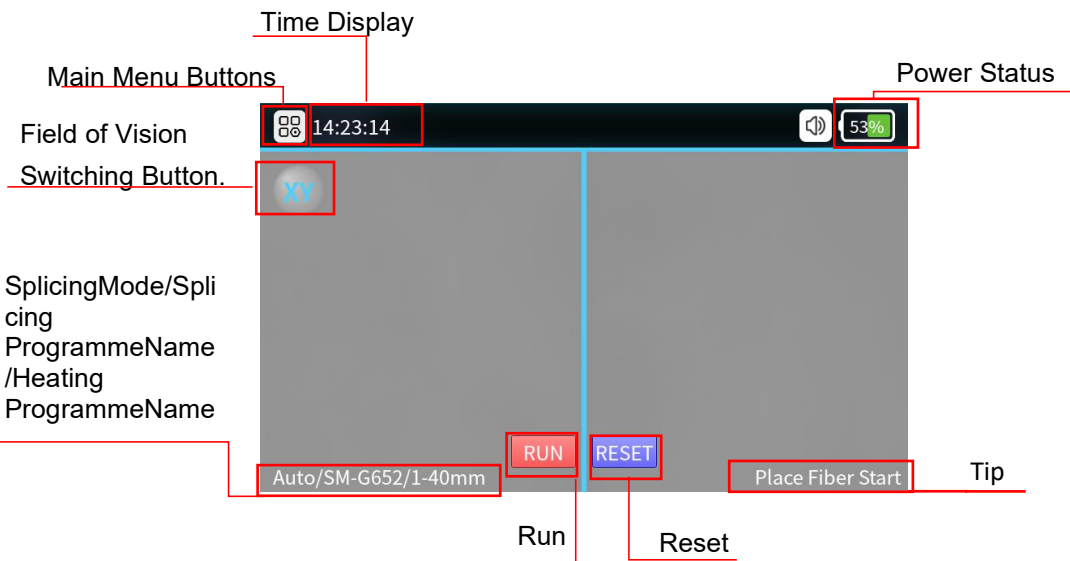
- ◆ **ARC Correction Interface**(Cutting and placing the fiber via correct way)



- ◆ **ARC Correction Success**(After "success" shows on screen, ARC correction process is done, then using [Reset] button to quit mode.)



5. Description of UI



Function of Description

Function Introduction of the Splicer



1. Edit Splice Program



Parameters	Description
PGM name	Name of splicer program
Pre-Splice Time	Pre-Splice time can be set from: 0-500 (ms)
Splice Time	Splice time can be set from:0-5 (s)
Overlap Len	Overlap Len can be set from:0-50 (um)
Re-Arc Time	Re-Arc Time can be set from:0-5 (s)
Fiber Type	Types of Fiber
Pre-Arc Bits	Pre-Arc Bits can be set from:0-4000 (bits)
Splice Current Bits	Splice Current can be set from:0-4000 (bits)
Propulsion Speed	Propulsion Speed can be set from:0-50 (um/s)

Re-Arc Current Bits	Re-Arc Current can be set from:0-4000 (bits)
------------------------	--

2. Shortcut function

Function 52%	
Tension Test	On 
Auto Heating	On
Auto Starting	On
Auto Save Splice Image	On
Force Heat	On
Force Splice	On
Screen Rotation	Off
Fast Splice Mode	Off
Operation Beep	On

Function 0%	
Screen Rotation	Off
Fast Splice Mode	Off
Operation Beep	On
Brightness Adjustment	95 %
Automatic shutdown	On
Automatic shutdown time	10 min
Lighting switch	On
Windproof cover lights	Off
Button backlight time	30 S

Parameters	Instructions
Tension Test	When it's on, the tension test will be executed automatically after splicing.

Auto Heating	When it's on, automatically heating the tube after closing the heater's cover.
Auto Starting	When it's on, automatically splicing once cover closed.
Auto Save Splice Image	When it's on, automatically saving splice picture.
Force Heat	When it's off, Heat button doesn't work
Force splice	When it's on, the user can press the start button to force the fusion splicing to continue, when the fusion splicing process detects an angle failure or fiber mismatch.
Screen Rotation	Screen interface rotated 180°
Fast splice Mode	Can be set on or off, fusion time is reduced when fast mode is on.
Operation Beep	Beeps can be set to be on or off.
Screen brightness	Adjusting the illumination of LCD
Automatic Shut down	When it's on, splicer could turn off automatically.
Automatic shut down time	Setting the automatic shut down timing.
Lighting Switch	Switch for white light
Windproof cover lights	Switch for LED on wind-proof cover
Button back light time	The duration of button back lights working time(0-60s),0s means turn off.

3. Heat PROG

HeatPROG

53%

Name	Value	Name	Value
PGM name	1-40mm	Sleeve Type	40mm
Sleeve DIA mm	6	Heating TEMP °c	210
Heating Time s	25	Pre-Heat TEMP °c	100
Pre-Heat Time s	10		

Select

Revise

Add

Delete

Parameters	Description
Heating PN	There are many heating programs for different shrinkable tubes pre-stored in the system, also many self-set programs are offered to users.
Sleeve DIA	2mm,3mm,4mm,6mm
Heating Time	Heat shrink heating time
Pre-Heat Time	Pre-heating time
Sleeve Type	10mm-60mm normal tube, FC, SC
Heating Temp	The temperature limit of heating process
Pre-Heat Temp	The temperature limit of preheating process

4. Splice Records

Splice Records(Max:100000 Rows)

48%

No.	Loss	Type	Time	Image
1	0.02dB	G652-G652	02-23 15:11	View

Total:1Row

Export

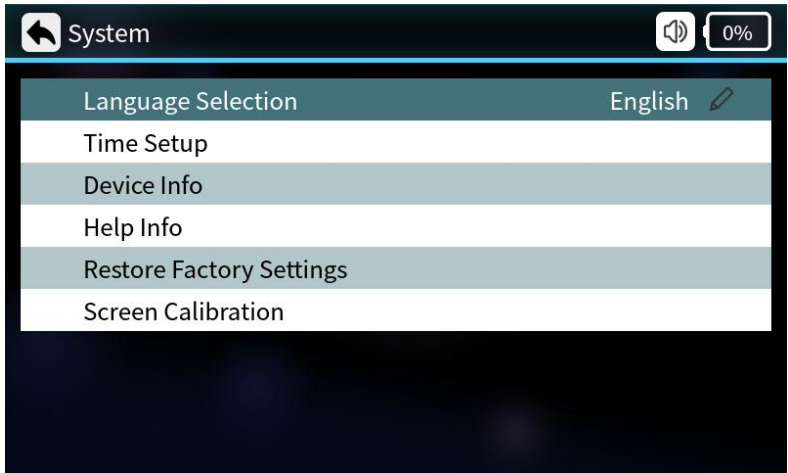
[Previous](#)

[Next](#)

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Parameters	Description
No.	Sorting by Splice Time
Loss	Loss after splicing
Type	Types of fiber for splicing
Time	Splice time
Image	Viewable image of the finished splice

5. System



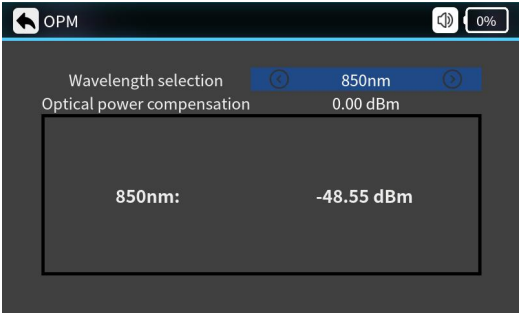
Parameters	Description
Language Selection	English,French,German,Italian,Portuguese,Spanish
Time Setup	Setting the time setup
Device Info	Current device related information
Help Info	instruction manual
Restore Factory Setting	Settings are restored to factory settings
Screen Calibration	Calibration touch screen

6. SpliceSet

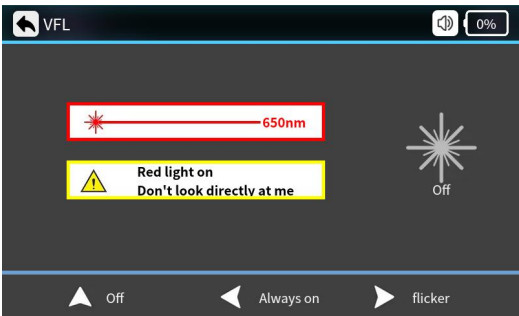
 SpliceSet				
Splice Operate Mode		Auto 		
Arc Cleaning Time		120 ms		
Surface Angle Threshold		1.5 °		
Fiber Angle Threshold		0.8 °		
Align Offset Threshold		0.4 um		
Fiber Alignment Mode		Core		
Fiber Pass Mode		Medium		
Reset Waiting Time		10 s		

Parameters	Description
Splicer operate Mode	Automatic mode, semiautomatic mode, manual mode optional.
Arc Cleaning Time	Clean discharge refers to the cleaning of fine dust adhering to the surface of an optical fiber by discharging the fiber prior to fusion splicing.
Surface Angle Threshold	Limit value of fiber end face angle.
Fiber Angle Threshold	Angle limit after alignment of left and right fibers.
Align offset Threshold	Limit of centre deviation after alignment of left and right fibers.
Fiber Alignment Mode	Core, Cladding, and Precise alignment
Fiber Pass Mode	Low, medium and high standards can be set.
Reset Waiting Time	When the tensile test is turned on, waiting time for motor reset after opening the windproof cover

7. OPM



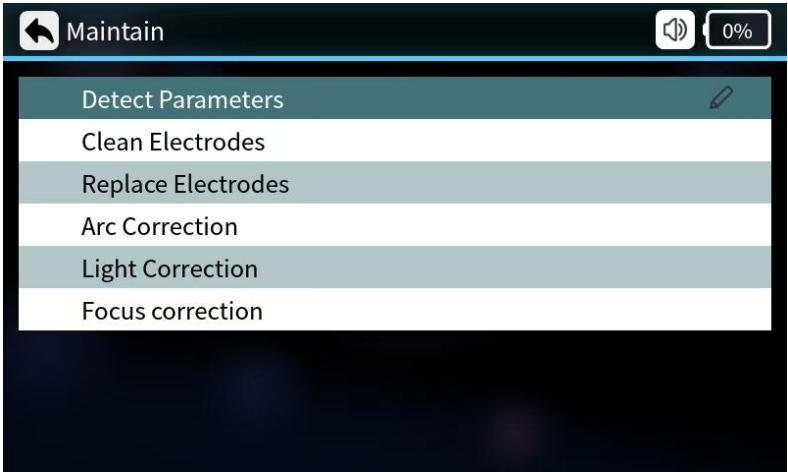
Parameters	Description
Wavelength selection	Setting the required wavelength parameter for measurement.
Optical power compensation	Setting the compensation for loss deviation.
Real-time optical power selection	Current wavelength testing result



8. VFL

Parameters	Description
Red light power	10mW
Wavelength	650nm±10nm
Operating frequency	CW/2Hz

9. Maintain



Parameters	Description
Detect Parameters	Automatic self-test of electrode position, motor and other system parameters.
Clean Electrodes	Multiple high-current discharges to clean the electrodes.
Replace Electrodes	After replacing the electrode, the discharge position is automatically determined and the electrode is stabilized by multiple discharges.
Arc Correction	Performs Arc Correction operation and automatically corrects the discharge current.
Light Correction	Automatic correction of red light source.
Focus correction	Automatic correction of fiber focus on screen.

Basic operating instructions

1. Turn on the power



Optical fiber observation interface: Short push the power switch then the indicator on the operation panel will turn to red and the buzzer will be sounds like “Di Di”. All motors will return back to their initial positions and the fiber observation interface shows.

2. Preparation before splicing

- ① Put the shrinkable splicing tube on



Put the fiber through the splicing tube so to protect fusion point after splicing. Make sure there is no impurity inside the tube and keep the tube parallel with the fiber.

- ② Strip down the protective layers except the class coating layer.

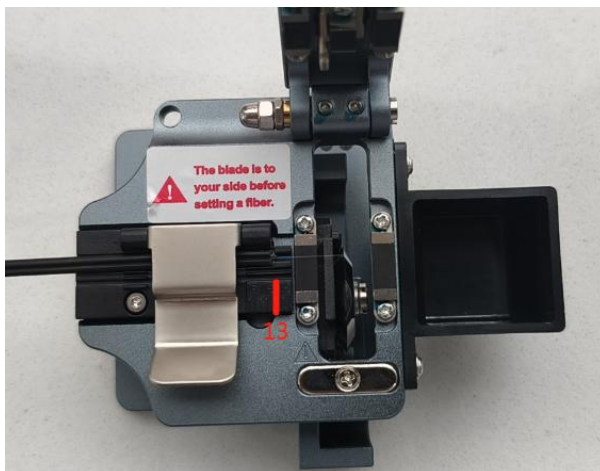


Strip the coating layer by 40mm with strippers.

After stripping the optical fiber, use dust-free paper dipping with 99% purity alcohol to clean the coating layer in a circular direction. Starting from the interface between the coating and the bare fiber, rotate the paper in the direction of the bare fiber in a circular direction and get rid of the debris of coating layers.

3. Fiber Cutting

- Positioning the tip of the fiber at 13 - 13.5 mm above the top of the slot.
- Keep the slider at outer side. Then close the pressure pad and cleaver cover.

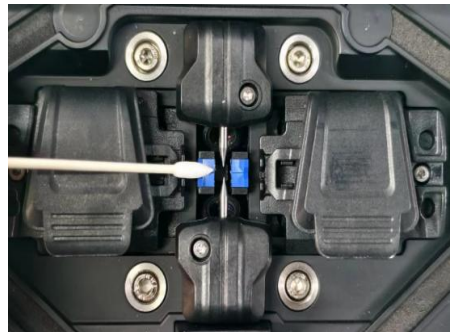


- Push the slider and finish the cutting.
- Open the fiber holder and the pressure pad, take the fiber and keep it away from other items in case it may get polluted.

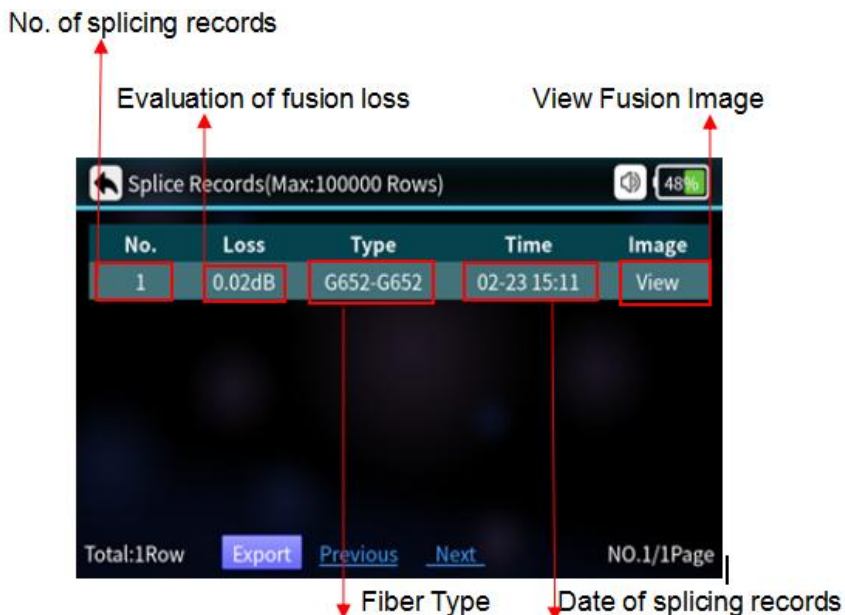
Notice: When there is a poor cutting surface please adjust the blade surface of fiber cleaver. What's more, we'd like to suggest you to use specified fiber cleavers equipped with our machines.

4. Fiber Placement

- ◆ Open the wind-proof cover and check if the V-groove is clean. If not please use air blow or blade to clean the V-groove.
- ◆ Make sure the fibers are right into the V-groove.
- ◆ Check if the end-faces of the fibers are in the position between the electrode tips and the V-grooves. And make sure they're close to the electrodes tips. Or the fibers shall be re-placed.
- ◆ Close the wind-proof cover gently and start splicing.



5. Check Splicing Result



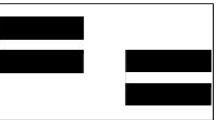
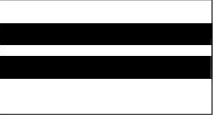
6. Auto-alignment and End Face Correction

To assure splicing quality, the product uses image processing system to observe fibers. But in some conditions the system may not be able to detect the splicing errors. So we still need to inspect the splicing process with eyes through display screen to get better splicing quality.

Close the wind-proof or press the start button, the optical fiber enters the automatic alignment state, and the left and right optical fibers begin to do phase movement. The system will check the cut faces after cleaning discharge, if the end faces are not qualified the splicing will not be started and there will be error notice on the screen. If the cut faces are qualified the aligning process will continue. After alignment the end-face angles of fibers on both sides will be showed on the screen. If the detected angles exceed the limited angle there will be error notice on the screen. The fibers will need to be re-cut.

If it shows following images or notice info in aligning process the system will reset the motors. Users can also push reset button to reset motors and retry to cut or put fibers.

7. Solutions of Abnormal Alignment Issues

Displayed Images (X/Y Axis)	Notice	Possible Reasons	Solutions
	Fiber on the right side is improperly placed	Fiber on the right side is not placed into the V-groove or it's too short	Reposition the fiber, Re-cut the fiber
	Fiber on the left side is improperly placed	Fiber on the left side is not placed into the V-groove or it's too short	Reposition the fiber, Re-cut the fiber
	Alignment Error	Fiber on the right/left side is not placed in the V-groove	Reposition the fiber, Re-cut the fiber
	Please reposition the fiber	Left/right side cuts too short	Reposition the fiber, re-cut the fiber
	Please reposition the fiber	Fibers on left/right side are too long	Reposition the fiber, re-cut the fiber

	Fibers are not qualified	Dust or dirt on fibers	Clean and reposition the fibers
Displayed Images (X/Y Axis)	Notice	Possible Reasons	Solutions
	Angles of fiber end-faces are not qualified	Problems with the fiber cutting process)	Re-cut the fiber
			
			
			

After fiber alignment the system will automatically discharge and splice. If the setting is set to semiautomatic splice, the message “Alignment complete” is displayed on the screen. Then the user can push start button to splice or push reset button to reset motors

Maintenance

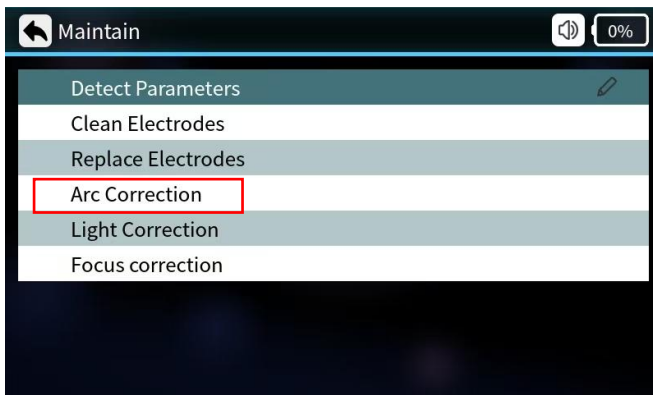
1. ARC Correction

When the outer environment suddenly change or for following situations the ARC correction will be needed to adjust current intensity so to ensure low loss, high stability splicing.

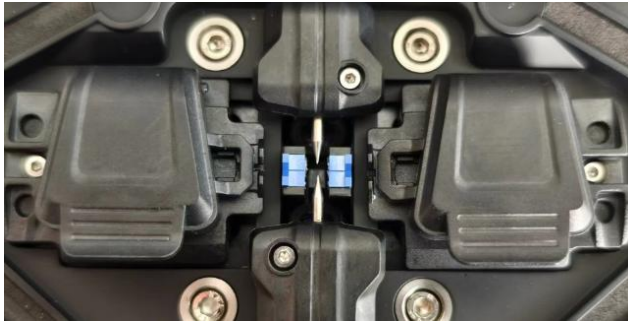
1. Temperature, humidity or air pressure changes
2. Aging or pollution of electrodes
3. Continuous splice fails or high splicing loss
4. Machine is idle for a long time
5. Electrodes over used
6. Electrodes are newly cleaned or replaced

Discharge Correcting Method:

- ① Choose “Arc Correction” Under



- ② Put cut fibers on fiber holders and close the wind-proof cover.



- ③ If there is “Large Current” or “Small current” please repeat the operation of ②③ until it shows the correction is successful.

Notice:

The cutting angles under discharge correcting mode are separately set, it's not relative with that under splicing modes. Discharge correction usually need to be repeated for a couple of times. Please operate with patience.

2. Detect System Parameters

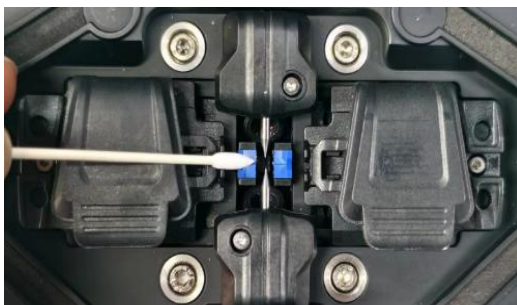
The self-test function offered is able to test and inspect the system based on several important parameters.

We insist to suggest users to do parameters self-test in case splicing quality may be affected:

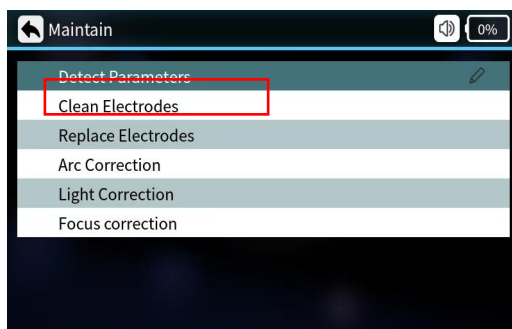
- ✧ After system updating
- ✧ After replacing/move electrodes
- ✧ After enduring long-distance transportation or strong shock
- ✧ After continuous splicing failures or splicing loss is abnormally high
- ✧ When there is continuous over-adjusting in alignment process

Operations are as following:

- ① Clean V-groove and pressers with cotton swab dipped with alcohol.



- ② Choose “Detect Parameters” under “Maintain”



- ③ Put fibers and close the cover the self-test will be on. Normally the test will continue for 2 minutes. Please observe the notice on on the LCD

screen, if the test fails please operate according to instructions on screen and Re-enable system detection(Step①).



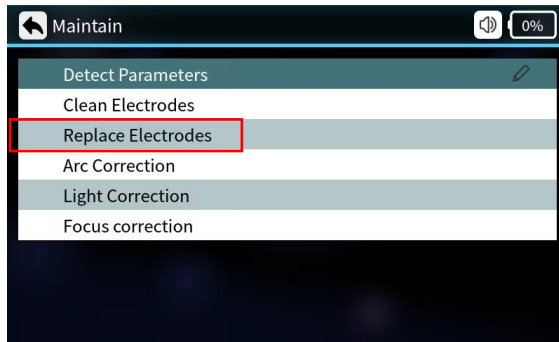
Notice:

Cleaning is the most important step. Please do clean specified parts before further operations.

3. Electrodes Replacement

The electrodes will be damaged due to long time use. Please replace the electrodes after 4000-time discharges or the splicing quality will be affected and higher loss as well as lower steadiness of spliced fibers will be caused. The system will automatically remind you that the electrodes need to be replaced when the discharging count reaches 4000. After electrodes replacement the discharging record shall be reset. Be careful of sharp tips of electrodes when replacing them. The operations are as following:

- Users shall cut the power and turn off the machine before replacing electrodes, press the power button to switch off the power, the red LED goes out.
- Unscrew the screws on electrode cover, take off electrode cover, take off the electrodes.
- Put new electrodes into the electrode groove then put the cover back and tight the screws gently.
- Check if the two electrodes are at the same horizontal line and the same vertical line. If not please re-put the electrodes.
- Turn on the machine and put well cut fiber into the machine, choose “Replace Electrodes” under “Maintain”.
- Please “Detect system parameters” and do “Arc Correction”.

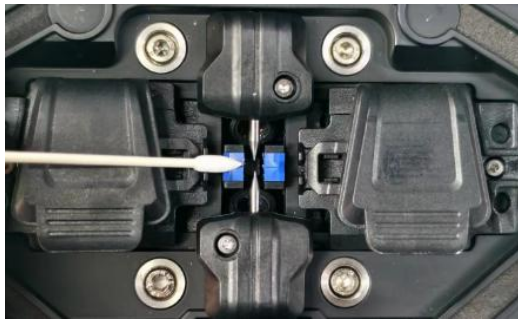
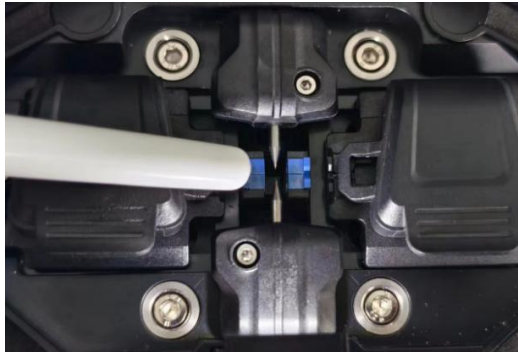


4. V-groove Cleaning

If there is contaminant in V-groove the fibers will deviate from normal position and thus the alignment will be affected so that the splicing loss may be abnormally higher. So users must check and clean V-groove regularly. The operations are as below:

- ✓ Open the wind-proof cover.
- ✓ Clean the contaminant on V-groove with equipped dust blower.
- ✓ Clean the bottom of the V-groove with cotton swab dipped with alcohol.

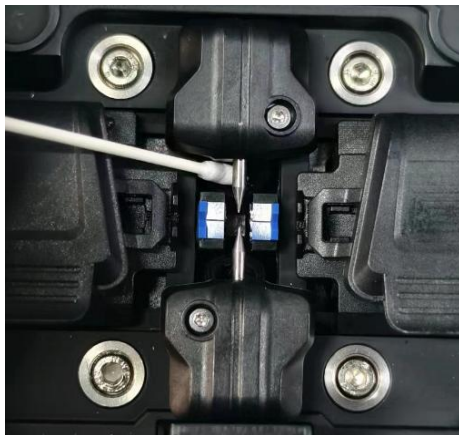
Notice: Do not touch the tips of electrodes. Clean the V-groove gently and do not use any hard stuff (Blade etc.) to clean the groove in case any damages affecting normal functions caused.



5. Microscope lens Cleaning

The splicer is loaded with image processing system to observe fibers, if the microscope lens are polluted the normal observation will be affected, thus may result in bad splicing result. Users shall clean the 2 lens regularly to ensure they are clean.

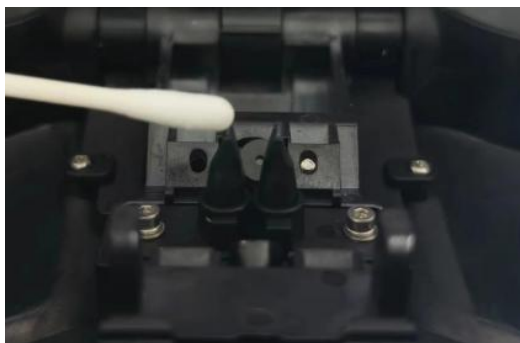
- A. Turn off the machine and open the wind-proof cover.
- B. Clean the lens gently with cotton swab dipped with alcohol.
- C. Notice: Do not touch the electrodes. Do not touch the lens with hard stuff.
- D. Clean the residual alcohol with clean, dry cotton swab and make sure it's clean and there is no contaminant left.
- E. Turn on the machine, observe the image on screen and check if there is dust, if so, please clean the lens again.



6. Fiber Pressers Cleaning

Dust on fiber pressers may cause fiber fixing or fiber holding issues and it will directly affect splicing quality. Users shall check and clean the fiber pressers regularly.

1. Open the wind-proof cover.
2. Clean the surface of the pressers with a fine cotton swab dipped with alcohol, dry the presser with a dry cotton swab after cleaning.



Troubleshooting

Abnormal Phenomenons	Reasons	Solutions
Abnormal sounds such as snorting when discharging	Improper installation position of electrodes	Please strictly following the instruction when installing electrodes
Delayed discharge or no discharge	1. Improper installation position of electrodes 2. The tips of electrodes are wrapped by silicon oxide	1. Please strictly following the instruction when installing electrodes 2. Clean the tips of electrodes or replace the electrodes
The machine crash when discharging	Improper installation position of electrodes	Please strictly following the instruction when installing electrodes
Discharge Correction Failure	Current environment is interfering the discharging process	If it keeps warning over-current, please lower the current before discharge correction. Otherwise please increase the current. If it still fails please contact after-sales department.
Fibers alignment failures	1. There is dust on lens, LED light, V-groove. 2. Power system malfunction.	Try to clean lens, LED lights and V-groove. If the problem still exists please contact after-sales department.

Low quality of splicing point	1.Dust on fibers 2.Wrong fiber type settings or wrong splicing program 3.Splicing environment changes 4.Controlling motor malfunction	1.Re-prepare the fibers and splice again. 2.Choose right fiber type and right splicing program 3.Do discharge correction to adjust current to normal intensity 4.Retry parameters self-test
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After-Sales Service card

Name: _____ Tele: _____

Product S/N No. : _____ Product Model: _____

Address: _____

purchasing office: _____

Description of the problem: _____

Manufacturer: Shanghaimuxinmuyeyouxiangongsi

Address: Shuangchenglu 803nong11hao1602A-1609shi, baoshanqu, shanghai 200000 CN.

Imported to AUS: SIHAO PTY LTD. 1 ROKEVA STREETEASTWOOD NSW 2122 Australia

Imported to USA: Sanven Technology Ltd. Suite 250, 9166 Anaheim Place, Rancho Cucamonga, CA 91730

EC	REP
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E-CrossStu GmbH
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