







website

youtube

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Important

FiberFox highly recommend that all users read this manual before operating Mini 22A. This manual is valid for the recent software version.

Cautions

The Battery must be taken out of the splicer, when stored in the Hand carrying case.

Introduction

Thank you for choosing Mini 22A FTTx Master from FiberFox. The Mini 22A with innovative design and excellent manufacturing technology gives customers assurance of trust.

Exceptional splicing experience and new technology greatly reduces splicing and heating time. Advanced estimate method and clad alignment technique ensure the accuracy of the splice loss estimation. Its small size, compact design and reliable protective casing make it suitable for any operating environment. Dynamic operation interface and automatic splice mode give the customers great user-friendliness. For more information, please contact your local distributor or visit our website at www.fiberfox.co.kr

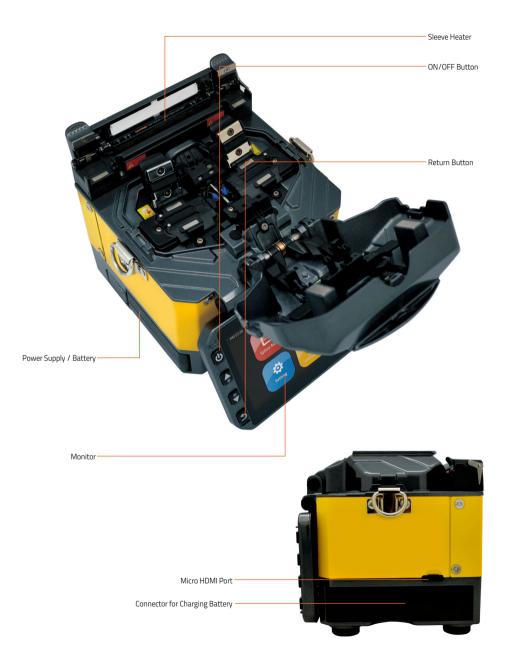
This manual explains the features, specifications, operation, maintenance and warnings about Mini 22A. The primary goal of this manual is to make the user very familiar with the splicer operation.

Camera	High precision dual camera			
Display	4.3″ w	vide color reinforced LC	D	
	x15	0 : X&Y axis dual view		
Microscope	x	800 : X axis single view		
	x	800 : Y axis single view		
		AC 100-	~240V	
D C I	Splicer	50~60HZ		
Power Supply		DC 9~14V		
	Li-ion Battery	DC 11	1.1V	
Data Capacity	Calico Modo	Factory pre-set	11 ea	
	Splice Mode	Edit Mode	128 ea	
	Data Storage (S	plicing result)	5,000 Max 10,000	
Splice Speed	SM Quick mode (SQM)	7 Se	<u>؟</u> C.	
	SM AUTO mode	9 Se	2C.	

Technical specifications

	Applicable Sleeve	Standard : 20, 25, 30, 35, 40, 60mm			
	Applicable Sleeve	Custom : 4*32mm sleeve (For SOC)			
	Heating Time	8~90	8~900sec (Typical: 18sec)		
Heater	Heater mode	Factory pro	e-set	4 ea	
	neater mode	Edit Mo	de	23 ea	
		Standa	rd	1 ea(Pre-installed)	
	Heating block	SOC Custor	mized	1 ea(In Package)	
Applicable	Fiber count : Single	core			
Applicable Fiber	Fiber Type : SM(ITU- ITU-TG.	-TG.652)/ DS(ITU- 657 A,B Type / M			
	Fiber count : Single	core fiber in cabl	e		
Applicable	Applicable diameter : 0.25mm / 0.9mm / 2.0mm / 2.4mm / 3.0mm				
Cable	Applicable buffer Diameter : Cladding diameter : 80~150µm, Coating diameter : 100~1,000 µm				
	SM : 0.02dB				
	MM : 0.01dB				
Splice Loss	DS : 0.05dB				
	NZDS : 0.05dB				
	G.657 : 0.02dB				
		Altitud	e	0~5,000M	
Reliability	Operating	Humidity		0~95%	
	Condition	Temperatur	ure	-10~50°C	
		Wind Speed 15n		15m/s	
		Humidi	ty	0~95%	
	Storage		Splicer	-20~60°C	
	Condition	Temperature	Battery	-20~40°C	

Splicer description & part name



How to replace the fiber holder



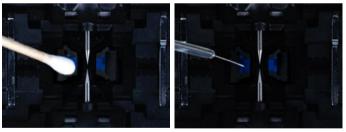
- 1) Loosen the screws
- 2) Take out the universal holder
- 3) Replace compatible with holder
- 4) Tighten the screw

Caution

- 1) The unscrewed screws remain in the holder (Do not remove the screws out)
- 2) Do not screw down the holder too tight

Cleaning

V-Grooves



Check fiber after cleaning with cotton swab

Lens



Mirrors



Caution

 Do not disturb the electrode tips
 Use only 99% or better purity alcohol

Splice Programs



Splice Menu, Maintenance, Stabilize Electrodes, Setting, User Instruction, Arc Calibration

[Stabilize Electrodes]

In the event of sudden change in environmental conditions or after cleaning electrodes, the arc power sometimes becomes unstable, resulting in higher splice loss. This is especially a concern when the splicer is moved from lower altitudes to higher, it takes time for the arc power to stabilize. In this case, stabilizing electrodes will expedite the process to normalize the arc power. If many tests are required to get the 'Test ok' message appearing the [Arc calibration], use this function as well.

[Arc Calibration]

Atmospheric conditions such as temperature, humidity, and pressure are constantly changing, which creates variability in the arc temperature. This splicer is equipped with temperature and pressure sensors that are used in a constant feedback monitoring control system to regulate the arc power at a constant level. However, changes in arc power due to electrode wear and glass adhesion cannot be automatically corrected. Also, the center position of arc discharge sometimes shifts to the left or to the right. In this case, the fiber splicing position has to be shifted in relation to the arc discharge center. It is necessary to perform an arc power calibration to eliminate these problems.

Note : Performing [Arc calibration] function changes the arc power 'Factor" value. The factor value is used in the algorithm program for all splicing. The arc power value will not change in the splice modes.

* Standard Factor value is changed within 11 ± 2, It shows 'Complete" word. otherwise, it shows 'Retry" which means failure arc test, User needs to reload the optic fiber, retry arc calibration test.

[Splice Menu]

1) Splice Mode

07:35		Splic	ce Mode	
Splice Mode	ح 1	Select Splice N	lode	
Splice Option	2	Edit Splice Mo	de	
Heater Mode	3	Delete Splice N	<i>l</i> ode	29°C
Date Storage				98 KPa
Menu Lock				nfa
Reset				
PM 07:35		Select S	plice Mode	
Select Splice Mode	5 1	Auto	Auto	
Edit Splice Mode	2	MM_AUTO	MM AUTO	8
Delete Splice Mode	3	SM_AUTO	SM AUTO	29°C

Factory Pre-Set Mode	11 ea
User Mode	User Edit : 128 ea
Delete Splice Mode	-

DS AUTO

NZ AUTO

MM62.5_MM62.5

SM CALIBRATION

DS_AUTO

NZ_AUTO

MM62um

7 SM_SM

4

5

6

 \bigcirc

98

KPa

2) Splice Option

07:35	Splice Option	
Splice Mode	1 Auto Start	ON
Splice Option	2 Pause 1	OFF
Heater Mode	3 Pause 2	OFF 29°C
Date Storage	4 Realign After Pause 2	OFF
Date Storage	5 Ignore Splicing Error	98 KPa
Menu Lock	6 Fiber Image On Screen	
Reset		

Auto Start	ON : Automatic splicing procedure
	OFF : Manual Splicing procedure
Pause 1	ON : Pause after the fiber gap position process
(Press Motor)	OFF : Proceeding without the pause
Pause 2 (Align Motor)	ON : Pause after camera focus & Axis alignment process
	OFF : Proceeding without the pause
	ON : Automatically proceed realignment
Realign After Pause 2	OFF : Proceeding without the pause
Ignore Splicing Error 'splicing error' message is not displayed	
Fiber Image On Screen	Select display structure for each splicing process

3) Heater Mode



Factory Pre-Set Mode	4 ea
User Mode	User Edit : 23 ea
Delete Heater Mode	-

► Preheat Mode

07:35		Heater Mo	de	
Select Heat Mode	5 1	40mm	31 ~ 40mm	
Edit Heat Mode	2	60mm	51 ~ 60mm	
Delete Heat Mode	З	33mm	SOC - 3.0	29℃
	4	Quick	PreHeat	\bigcirc
				98 KPa

It is performed for reducing heating time and rapid heating task. When it comes to turned on program, red LED keeps blinking which means it is warming up the heater about 120 to 160°C itself. After a few minutes, it is available to shrink the sleeve in 15 seconds (Refer to 60mm sleeve which used to perform in 20 seconds)

However, Please be attention, it wastes more the battery power than Normal heating mode. (Normal Cycle is approximately 400, whereas, it performs 295 cycle)

4) Data Storage

07:35		Data Storage	
Splice Mode	5 1	Display Splice Record	
Splice Option	2	Delete Splice Record	
Heater Mode	3	Export Splice Data	29°C
Date Storage	4	User Information	\bigcirc
	5	Splice Data Save	98 KPa
Menu Lock	6	Auto Save Image OFF	
Reset			

Display Splice Record	Displaying your detailed splice record	
Delete Splice Record	-	
Export Splice Data	Downloading saved data (Splice record or Image)	
User Information	Record the work information into the data save file	
Splice Data Save	ON : Automatic data save * Image data is saved manually *	
	OFF : Do not save splice record	
Auto Cous Image	ON : Automatic data save	
Auto Save Image	OFF: Manual data save	

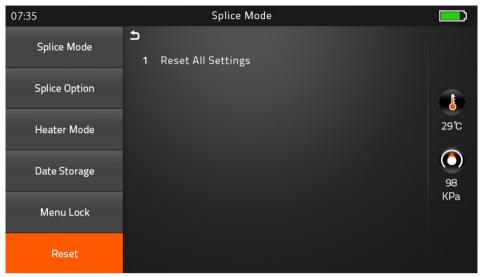
5) Menu Lock

Input password to access the sub-menu

07:35		Menu Lock		
Splice Mode	5 1	Splice Mode Lock	ON	
Splice Option	2	Heater Mode Lock		
Heater Mode	3	Records Delete Lock	ON	29°C
Date Storage	4	Password Lock	ON	9 8
Menu Lock				KPa
Reset				
		ON : Disable 'Splice mode' edit		
Splice Mode Lock		OFF : Enable 'Splice mode' edit		

	OFF : Enable 'Splice mode' edit	
Heater Mode Lock	ON : Disable 'Heater mode' edit	
Heater Mode Lock	OFF : Enable 'Heater mode' edit	
Records Delete Lock	ON : Disable 'Record mode' edit	
	OFF : Enable 'Heater mode' edit	
Deserved Lask	ON : Disable to change the password	
Password Lock	OFF : Enable to change the password	

6) Reset



Unexpected the malfunction occurring on splicer, it is necessary to make reset all the parameter through the reset mode. However, it is highly recommend to carry out the reset function after discussed with a technician to reduce second problem.

Lower 1.34 version must try Reset function for applying new function of program on the fusion splicer after upgrade process.

[Maintenance]

1) Maintenance Menu

07:35		Maintenance Menu	
Maintenance Menu	Ð		
	1	Quick Optimize	
	2	Adjust Position	
	3	Replace Electrodes	29°C
	4	Endured Arc	\bigcirc
	5	Motor Calibration	98 KPa
	6	Diagnostic Test	
	7	LED Calibration	
	8	Dust Check	

Quick Optimize
 Quick & Easy overall maintenance
 Automatic process 'Focus Adjust > Motor calibration (Press) > fiber training'.

► Adjust Position Find the optimized position of optic fiber especially Focus Motor position.

Replace Electrodes
 Instruction on how to replace electrodes
 FiberFox recommendation
 It is highly recommended to change the electrodes after every 5,000 splicing. *
 After finished to use this menu, the current Arc Count is changed to '0'

► Endured Arc Training for new electrodes adjustment It occurs 30 times arc training for adjusting new electrodes function.

Motor Calibration

Automatically calibrates the speed of all four motors

▶ Diagnostic Test

07:35		Diagnostic Test	
Diagnostic Test	5	0	
		D Calibration	
	2 Di	ist Check	4
	3 M	otor Calibration	29°C
	4 Ar	c Calibration	\bigcirc
			98 KPa
		Press 'O" Key To C	ontinue

LED Calibration	Measures and adjusts the brightness of LED
Dust Check	Dust checking process
Motor Calibration	Automatically calibrates the motor speed
Arc Calibration	Automatically calibrates the Arc power

▶ LED Calibration

Measures and adjusts the brightness of LED

Dust Check

Detects dust&contaminant causing improper splicing

In order to find out optimized position for splicing, the splicer analyses the fiber images being transmitted by the optical camera & LED inside but dust or contaminant on the camera, lenses, LED may cause inaccurate splicing results.

Therefore, the dust check process is recommended to proceed in case of frequent splicing fail or high insertion loss.

▶ Electrode Setting

07:35		Electrode Set	tting			
Electrode Setting	Ð					
	1	Electrode Caution		2500		
	2	Electrode Warning	•	3500	•	8 29℃
						98 KPa

Electrode CautionCaution alarm will be displayed when it reach the n splicing cycle you set	
Electrode Warning	Caution alarm will be displayed when it reach the number of splicing cycle you set

Motor Drive

This checks the operation status of motors.

* Method : Chosen one of motor by Tapping in middle of motor name, And move to press up and down arrow keys

► Update Software

Upgrade to the latest software version.

Procedure

1	Prepare the USB device.
2	Download the latest version software to the USB.
3	Link to the Splicer (Via link cable in the package).
4	Press 'O' Button to proceed with update.
5	Device will be rebooted once it is done.
6	Splice Menu > Reset (Format) > Input Password > Execute Format task
7	Execute the Quick Optimize > Stabilize Electrodes > Arc Calibration

[Setting]

1) System Setting

07:35	System Setting	
System Setting	1 Buzzer ON	
Language	2 Temperature unit °c	
Power Save Option	3 Automatic Heating	29°C
Set Calendar	4 Monitor Position Front	\bigcirc
	5 Dust Check OFF	98 KPa
Password	6 Password Lock]
System Information	7 Pull Test ON	

Buzzer	ON : Sound on OFF : Sound off
Temperature Unit	°C : Celsius °F : Fahrenheit
Automatic Heating	ON : Auto start OFF : Manual start
Monitor Position	Front : Normal direction display Rear : Opposite direction display
Dust Check	ON : Check the dust density OFF : Skip dust checking process
Password Lock	ON : Password is required to operate the device OFF : No password is required
Pull Test	ON : Automatic pull test processing after splicing OFF : Skip pull test process
Calibrate Touch Screen	Automatic calibrate touch function to occur unstable control of touch screen

2) Language

Set your own language.

07:35	Language	
System Setting	う 繁體中文	
Language	English	
Power Save Option	한글	29°C
Set Calendar	Русский Deutsch	98
Password	Français	KPa
System Information	lne	

Language Available				
繁体中文	Việt			
English	العربية			
한글	Español			
Русский	Italiano			
Deutsch	Português			
Français	فارسی			
ไทย				

There are included over 30 languages option on the fusion splicer.

Please request to sales department if your language is not contained.

3) Power Save Option

07:35	Power Save Option	
System Setting	ち 1 Monitor Shut Down 🔺 Osec	-
Language	2 Splicer Shut Down 🔺 Omin	-
Power Save Option		29°C
Set Calendar		98
Password		KPa
System Information		

Monitor Shut Down	 No input during the time you set, the splicer will block the power supply toward LCD System will be switched over to standby mode.
	Press the power button to resume (Screen will be back on)
Splicer Shut Down	No input during the time you set, the splicer will be shut down to save the power
	Pressing the power button for 2sec, to reboot the splicer

4) Set Calendar

07:35			Set Cale	ndar			
System Setting	5 1	Year			2016	-	
Language	2	Month			01	•	
Power Save Option	3	Day			01	▼	29℃
Set Calendar	4	Hour		^	00	•	
Password	5	Minute			00		98 KPa
System Information							

5) Password

Change your password.



Procedure

1	Input 4-digit old password number
2	Input new 4-digit number for new password

6) System Information

07:35		System Information		
System Setting	5			
	1	Machine Serial No	00004424002	
Language	2	Software Version	1.34V	
Power Save Option	3	FPGA	0.18	29°C
	4	Total Arc Count	0	\bigcirc
Set Calendar	5	Current Arc Count	0	98
Password	6	Last maintenance	2016-02-04	KPa
	7	First Maintenance	2016-01-04	-
System Information	8	Warranty Period	2017-01-01	
	9	Delivery Date	2016-01-01	
	10	Product OEM	Fiberfox	

Machine Serial No.	Identification number of the splicer	
Software Version	Software version being installed	
FPGA	Field programmable gate array' version	
Total Arc Count	Total number of Arc discharges	
Current Arc Count	Current number of Arc discharge	
Last Maintenance	Last maintenance date	
First Maintenance	First manufacturing date	
Warranty Period	Warranty period	
Delivery Date	Delivery date	
Product OEM	Manufacturer name	

Notes: Warning and Cautions

	Warnings!
	Disconnect the AC/DC power cord from the wall socket(outlet) immediately if user observes the following or if the splicer receives the following faults: • Fumes, bad odor, noise, or over-heating occurs. • Liquid or foreign matter falls into cabinet. • Splicer is damaged or dropped. If this occurs, ask our service center for repair. Leaving the splicer in a damaged state may cause equipment failure, electric shock or fire and may result in personal injury, death or fire.
!	Use only the AC/DC adapter / battery charger designed for this splicer. Using an improper DC power source may cause fuming, electric shock or equipment damage and may result in personal injury, death or fire.
\bigotimes	Do not disassemble or modify the splicer, AC/DC adapter or battery. In particular, do not remove or bypass any electrical or mechanical device (e.g. a fuse or safety switch) incorporated into the design and manufacturing of this equipment. Modification could cause damage that may result in personal injury, death, electric shock or fire.
	Never operate the splicer in an environment where flammable liquids or vapors exist. Risk of dangerous fire or explosion could result from the splicer's electrical arc in such an environment. It may result in personal injury, death, electric shock or fire.
	Do not touch the electrodes when the splicer is on and power is supplied to the unit. The electrodes generate high voltage and high temperatures that may cause a severe shock or burn. Note Arc discharge stops when wind protector is opened.
	Safety glasses should always be worn during fiber preparation and splicing operation. Fiber fragments can be extremely dangerous if it comes into contact with the eye, skin, or is ingested.
autituitue.	Do not touch the splicer, AC/DC power cord and AC plugs with wet hands. This may result in electric shock.
	Do not operate splicer near hot objects, in hot temperature environments, in dusty / humid atmospheres or when water-condensation is present on the splicer. This may result in electric shock, splicer malfunction or poor splicing performance.

Warnings!				
	Do not store splicer in any area where temperature and humidity are extremely high. Possible equipment failure may result.			
	Do not touch protection sleeve or tube-heater during heating or immediately after completion of heating. Their surfaces are very hot and touching these may result in burn.			
	The splicer is precision adjusted and aligned. Do not allow the unit to receive a strong shock or impact. Possible equipment failure may result. Use supplied carrying case for transportation and storage. The carrying case protects the splicer from damage, moisture, vibration and shock during storage and transportation.			
	Do not use any chemical other than pure alcohol (99% or greater) to clean the objective lens, V-groove, mirror, LCD monitor, etc., of the splicer. Otherwise blurring, discoloration, damage or deterioration may result.			
	The equipment must be repaired or adjusted by a qualified technician or engineer. Incorrect repair may cause fire or electric shock. Should any problems arise, please contact your nearest sales agency.			



- ► Symbol means 'Pay attention".
- Pay attention to hot surface!

ϩ

anhanhan

- ► Symbol means 'Must do not".
- ▶ You must not disassemble!
- ▶ You must disconnect a plug!

• Appendix I

Splice loss increase : Reason and solution.

Symptom	Name	Reason	Solution
<u> </u>	Core Axial Offset	Dust on v-groove or fiber clamp chip	Clean v-groove and fiber clamp chip
		Dust on v-groove or fiber clamp chip	Clean v-groove and fiber clamp chip
	Core Angle	Bad fiber end-face quality	Check if fiber cleaver is well conditioned
	Core Step	Dust on v-groove of fiber clamp chip	Clean v-groove and fiber clamp chip
	Core Curve	Bad fiber end-face quality	Check if fiber cleaver is well conditioned
		Pre-fuse power too low or pre-fuse time too short	Increase [Pre-fuse power] and/or [Pre-fuse time]
	MFD Mismatch	Arc power too low	Increase [Arc power]
	Combution	Bad fiber end-face quality	Check the cleaver
		Dust still present after cleaning fiber of cleaning arc	Clean fiber throughly or in- crease [Cleaning arc time]
	Bubbles	Bad fiber end-face quality	Check if fiber cleaver is well conditioned
		Pre-fuse power too low or pre-fuse time too short	Pre-fuse power too low or pre-fuse time too short
		Fiber stuffing too small	Perform [Motor calibration]
ÐG	Separation	Pre-fuse power too high of pre-fuse time too long	Decrease [Pre-fuse power] and/or [Pre-fuse time]

Fat	Fiber stuffing too much	Decrease [Overlap] and perform [Motor calibration]
Thin	Arc power not adequate	Perform [Arc calibration]
	Some arc parameters not adequate	Adjust [Prefuse power], [Pre-fuse time] or [Overlap]
Line	Some arc parameters not adequate	Adjust [Prefuse power], [Pre-fuse time] or [Overlap]

Note : A vertical line sometimes appears at the splice point when MM fibers, or dissimilar fibers (different diameters) are spliced. This does not affect splice quality, such as splice loss or tensile strength.

Appendix II

If error message is shown as below during the process, Please follow the instruction accordingly. If the problem still remains, please contact us.

Error Message	Reason	Solution
L Fiber Place Error	The fiber end-face is placed on the	Press the 'Reset" Button. Reload the fibers, make sure fiber end
R Fiber Place Error	electrode centerline, or beyond it	face between V-groove and the center position of electrodes
Propulsion Motor Overrun	The fiber is no set correctly at the bottom of the V-groove, which results in that the fiber offsets beyond motor formation range	Press the 'Reset" button and then re-position the fiber at the bottom of the V-groove
Propulsion Motor Trouble	Motor might be damaged	Consult your nearest sales agency
Failed to Find The Fiber End-face	The fiber is not set correctly at the bottom of the V-groove	Press the 'Reset" button and then re-position the fiber correctly at the bottom of the V-groove
No Arc Discharge	Arc Discharge does not occur	Confirm the electrodes in proper position; Replace electrodes
Motor Overrun	The fiber is not set correctly at the bottom of the V-groove	Press the 'Reset" button and then re-position the fiber at the bottom of the V-groove
Cannot Find the Edge of The Cladding	The fiber is not set correctly at the bottom of the V-groove	Press the 'Reset" button and then re-position the fiber at the bottom of the V-groove
Find Wrong Fiber Edges	There's dust on the fiber surface	Re-prepare the fiber; Clean the lens and protector mir- ror and then redo 'Dust Check"
Unidentified Type of Fiber	Shock occurred to the splicer during the splicing process	Execute 'Motor Calibration" If the [problem still exist, please contact the sale agent]

Unidentified Type of Fibers	Shock occurred to the splicer during the splicing process	Execute 'Motor Calibration" If the [problem still exist, please contact the sale agent
Contact of Fiber	Overlap too much	Adjust overlap parameter
End-faces	Motor is not calibrated	Calibrate and maintain the motor
	The fiber is misplaced	Press the 'Reset" Button and then reposition the fiber correctly
Focus Motor Overrun	There's dust of dirt on the fiber surface	Prepare the fiber again
	There's dust of dirt on the fiber surface	Execute the [Dust check] after the lenses and LEDs are cleaned
Fibers Mismatch	The fibers of two sides are different type	It may result in large splice loss if you continue to splice, Please use the proper splice mode corresponding to the fibers
Large Cleave Angle	Bad fiber end-face	check the condition of the fiber cleaver, if the blade is worn, rotate the blade to a new position or change a new one, and then re-prepare the fibers
	[Cleave Limit] is set too low	Increase the [Cleave limit] to an adequate limit(standard:3.0°c)
Large Core Angle	[Core angle limit] is set too low	Increase the [Core angle limit] to an adequate limit (standard:1.0°c)
	Dust of dirt is on the V-groove or hte clamp chip	Clean V-groove and clamp chip. Prepare the fibers and re-load them
	Too large axial offset(>0.4um)w	Re-prepare the fibers
Focus Error	The motor is not calibrated	Execute [Motor calibration]

Dust Error (fiber core)	There's dust or dirt on the fiber surface	Prepare the fiber again
	The lens or LEDs are coated in dust	Execute the dust check after cleaning the lenses and LEDs
	Cleaning Arc time is too short	Set the cleaning arc time to be 180ms
	It is difficult to identify the fiber core by using the method of core alignment to splice	It is difficult to identify the fiber core by using MM splice mode to splice
	There's dust or dirt on the fiber surface	Prepare the fiber again
	There's dust or dirt on the fiber surface	Execute the [Dust check] after the lenses and LEDs are cleaned
	Cleave angle limit is too low	Increase the cleave angle limit to a decent value (standard value: 3.0°c)
Fat Fiber	Overlap too much	Adjust overlap parameter
	Motor is not calibrated	Calibrate and maintain the motor
Thin Fiber	Arc power too low	Execute [Arc Calibration]
	The level of pre-discharge is too high	Decreased pre-discharge of pre-discharge time
	Insufficient overlap	Adjust overlap parameter

Appendix III

[Questions and troubleshooting]

- · Power does not turn off when pressing On / Off button.
- Press and hold the key until the LED color changes from green to red.
- · Few splices can be made with a fully charged battery pack
- · If the power saving function is not enabled, battery power degrades quicker.
- [System setting] Always enable it to conserve power usage.
- If degradation appears (memory effect). of if the battery pack is stored for an extended period of time, completely discharge it. After discharge completion, recharge the battery pack.
- · The battery pack has reached the end of its service life. Install a new battery pack.
- The battery pack uses chemical reaction. The capacity decreases at low temperature, especially at lower than 0 degree °c.
- · Error message appears on monitor please refer to appendix II.
- · Inconsistent splice loss / High splice loss
- · Clean the V-grooves, fiber clamps, wind protector mirrors, and objective lenses.
- · Replace the electrodes.
- · Please refer to Appendix I.
- · The splice loss varies according to the cleave angle, arc conditions and fiber cleanliness.
- \cdot Monitor suddenly turned off
- The monitor suddenly turns off after an extended period of splicer inactivity, if the power saving function is enabled. Press any key to return to the normal state.
- · Splicer power suddenly turned off without 'Low battery' message.
- The monitor will turn off after an extended period of splicer inactivity, if the power saving function is enabled. Press ant key to return to the normal state.
- · Identify fibers error in AUTO mode
- AUTO mode is applicable for SM, MM, NZ fiber. Errors may occurs while splicing special fibers.
- · Mismatch between Estimated splice loss and Actual splice loss
- \cdot The estimated loss is a calculated loss, so it can be used for reference only.
- \cdot The optical components of the splicer may need to be cleaned.
- · Fiber protection sleeve does not shrink completely.
- · Continue the heating time. [60mm Sleeve 230 °c, 15sec, 40mm Sleeve 200 °c , 17sec]
- · Extend the heating time.
- · Method to cancer heating process.

- · Press Heat key to stop during heating process. The LED light will go off after pressing.
- Fiber protection sleeve adhered to heating plate after shrinking use a cotton swab or a similar soft tip object to push and remove the sleeve.
- · Forgot password
- Please contact the sale agent or the Technical Support manager.
- · No arc power change after [Arc calibration]
- An internal factor is calibrated and adjusted for the specific arc power selected.

The displayed arc power in each splice mode does not change.

- Forgot to lad fibers while execute some specified function that fibers are needed. Return key is invalid. Open the wind protect shield, load prepared fibers in the splicer, and press 'Set" to continue or press 'Reset"
- · Upgrading Failure
- When users use the USB to upgrade, the splice may not be able to correctly identify the upgrade file, you need to re-plug the HDMI cable with USB, and retry the upgrade software.
- \cdot Check if the upgrade file name and the format are correct.
- SDXX is for SD card Upgrade file, UpdateXX is for USB Upgrade file. The both zip file must be extracted when you place on The USB.
- · If you cannot solve the problem, please contact the Technical Support Manager.
- · Other
- If you need more information, Please refer to the video in user's CD.