FRONT VIEW

①	Screen	④	Sleeve heater
②	Windproof Cover	⑤	External interface (USB - Power)
③	Keyboard		

FUSION SPLICER DEVICE

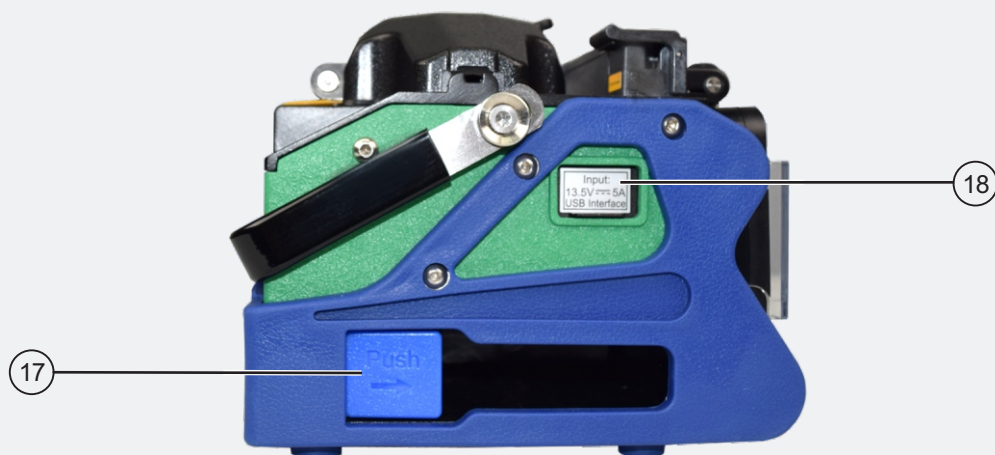|					
⑦	Electrode Bar	⑩	Microscope	⑬	Fiber Presser Foot
⑧	Electrode Cover	⑪	V-groove		
⑨	Wind Protector	⑫	Clamp slot		

TUBE HEATER

14 Clamp   15 Heater Plate   16 Cover Plate

EXTERNAL INTERFACE

17 Push button to remove the battery   18 Power Port / USB Port

KEYBOARD

19 Power key   22 Exit key/Switch XY key   25 Reset key
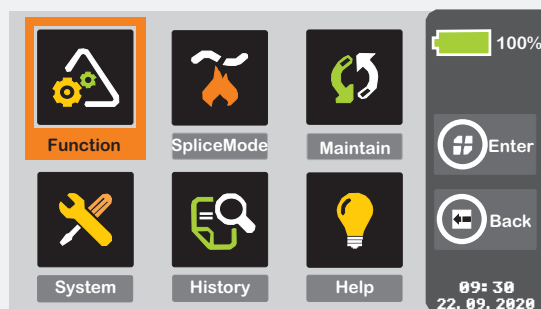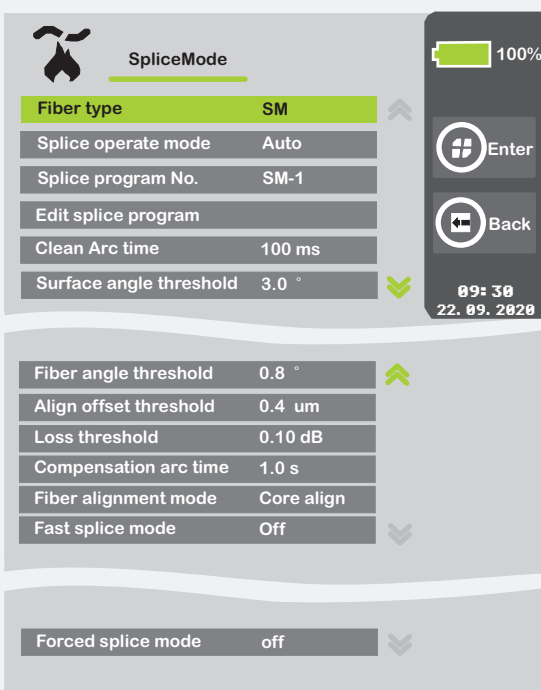
20 Arrow keys   23 Menu/Confirm

21 Sleeve heating key   24 Start key

MENU INTRODUCTION

Function	SpliceMode	Maintain
System	History	Help

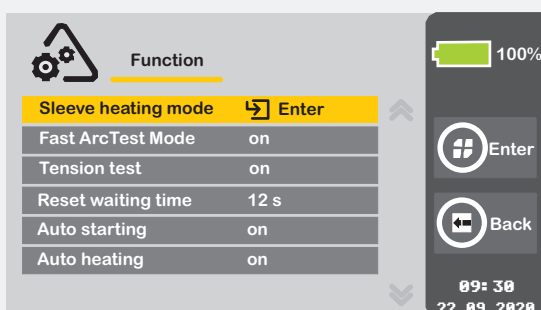100%
#Enter
←Back
09:30
22.09.2020

Function: Set the parameters of some system functions such as heating mode, arc compensation, reset time, etc.

Splice Mode: Set the parameters of splice mode.

Maintain: Electrode maintenance, arc correction, calibration, etc.

System: Set the display parameters, system language & time, restore to initial settings, etc.

History: Record of number of arc times, splice results, etc.

Help: Provide key operation manual.

SPLICE MODE MENU

SpliceMode

Fiber type	SM
Splice operate mode	Auto
Splice program No.	SM-1
Edit splice program	
Clean Arc time	100 ms
Surface angle threshold	3.0 °

100%
#Enter
←Back
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Fiber angle threshold	0.8 °
Align offset threshold	0.4 um
Loss threshold	0.10 dB
Compensation arc time	1.0 s
Fiber alignment mode	Core align
Fast splice mode	Off

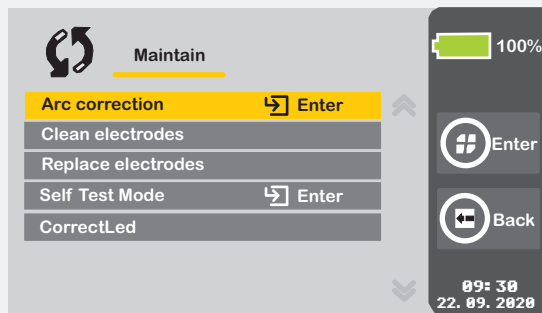|	
Forced splice mode	off

Fiber type: Set according to the type of fibre used such as SM (single mode), MM (Multimode), DS (Dispersion shifted), NZDS (Non-zero dispersion shifted). Each fibre type can have up to 30 fusion splice pre-set programs. Other available fibre types are BIF (Bend Insensitive Fibre), UBIF (Ultra-Bend Insensitive Fibre), EDF (Erbium Doped Fibre) and G.657B3 (Bend Insensitive Single-Mode fibres).

Splice Operate Mode: Automatic, Semi-automatic or Manual.

Splice Program No.: 30 groups preset splice program and 80 groups of users-set splice program.

Edit Splice Program: Edit splice parameters under the current number of program.

Clean Arc Time: It cleans dust on the fiber surface by short-time arc. The duration ranges from 0 to 200 ms.

Surface Angle Threshold: An error message is displayed if the head face angle of either left or right side of fiber exceeds the angle threshold. The setting range is 0-8°.

Fiber Angle Threshold: An error message is displayed if the clamp angle of the two fibers spliced exceeds the angle threshold. The setting range is 0-4°.

Align Offset Threshold: An error message is displayed if the misalignment of the two fibers spliced exceeds the misalignment limit. The setting range is 0.0-1.5 μm.

Loss Threshold: An error message is displayed if the estimated splice loss exceeds the loss limit. The setting range is 0-0.2db.

Compensation arc Time: Splice loss may be improved by compensative arc in some cases.

Fiber Alignment Mode: Cladding align or core align can be set.

Fast Splice Mode: If it is "on" it accelerates the alignment.

Forced splice mode: If it is in "on" mode, it will force the splice even if the fibre is not correctly cut (disregarding losses).
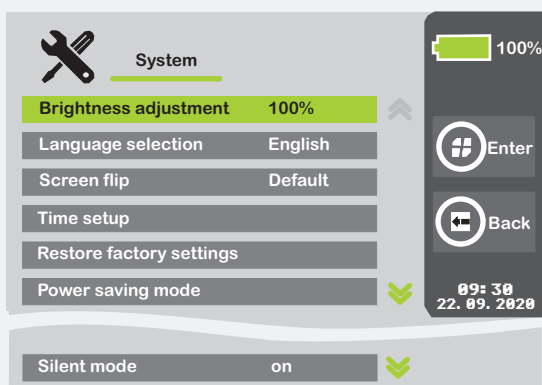
FUNCTION SETTINGS MENU

Function

Sleeve heating mode	⤷ Enter
Fast ArcTest Mode	on
Tension test	on
Reset waiting time	12 s
Auto starting	on
Auto heating	on

100%
#Enter
←Back
09:30
22.09.2020

Sleeve heating mode: Set the sleeve heating time.

Fast ArcTest Mode: If this is set "on", after splice is completed, the equipment adjusts arc current and tension test.

Tension Test: If this is set "on", after splice is completed, the equipment will restore and Tension test will perform itself.

Reset Waiting Time: If the Tension test is set "off", the system will restore the equipment after the waiting time is over.

Auto Starting: If it is set "on", it will perform a splice itself when the cover is closed.

Auto Heating: If it is set "on", it starts heating when the cover is lid.

⟳ MAINTENANCE MENU

Maintain

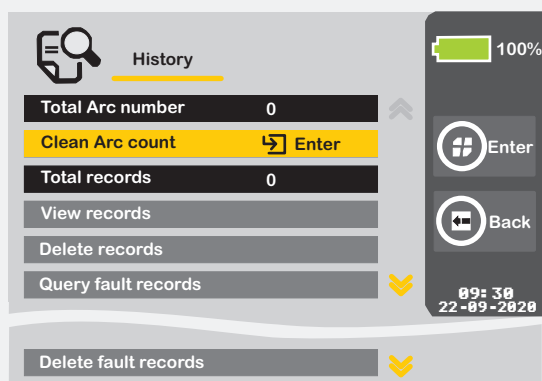|	
Arc correction	⤵ Enter
Clean electrodes	
Replace electrodes	
Self Test Mode	⤵ Enter
CorrectLed	

100%
⊞ Enter
⬅ Back
09:30
22.09.2020

Arc correction: It performs an arc test and correction.

Clean Electrodes: It repeats short arc several times to clean the electrodes.

Replace electrodes: After replace electrodes, repeats short arc several times to stabilize the electrodes and to measure the electrodes position.

Selt Test Mode: It measures the electrodes position, motor and other system parameters automatically.

CorrectLed: When there is sudden change of temperature it may appear fog on the camera lens. Use this option to clear fog.

✕ SYSTEM AND FUNCTION SETTINGS

System

Brightness adjustment	100%
Language selection	English
Screen flip	Default
Time setup	
Restore factory settings	
Power saving mode	
Silent mode	on

100%
⊞ Enter
⬅ Back
09:30
22.09.2020

Brightness Adjustment: Adjust the display brightness.

Language Selection: Select language.

Screen Flip: Screen rotates 180º.

Time Setup: Set system time and date.

Restore Factory Settings: Restore all parameters to factory settings.

Power Saving Mode: Set auto sleep or shutdown.

Silent Mode: Turn on or off the key beep.

⊡ SPLICE RESULTS STORAGE AND QUERY

History

Total Arc number	0
Clean Arc count	⤵ Enter
Total records	0
View records	
Delete records	
Query fault records	
Delete fault records	

100%
⊞ Enter
⬅ Back
09:30
22-09-2020

Total Arc Number: Electrodes arc times since the last record is eliminated.

Reset Arc Count: Eliminate arc times after electrodes are replaced.

Total Records: The splice records having been stored by system.

View Records: 3000 groups of the latest splice records can be viewed. Users could query the splice parameters and results.

Delete Records: Delete all splice records.

Query fault records: It shows data about fault records.

Delete fault records: It deletes fault records.

Find the user's manual on the download area at:
www.promaxelectronics.com

USER MANUAL DOWNLOAD