FRONT VIEW

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

FUSION SPLICER DEVICE

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

TUBE HEATER

(14) Clamp   (15) Heater Plate   (16) Cover Plate

EXTERNAL INTERFACE

(17) Power Port   (18) USB Port

KEYBOARD

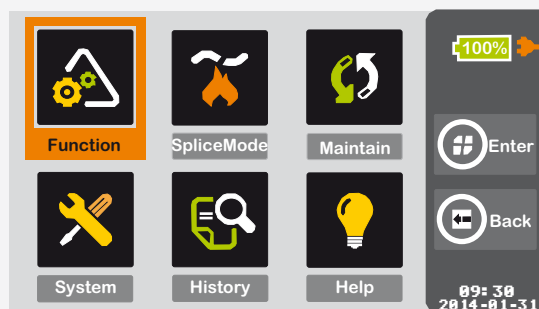(19) Power key   (22) Exit key/Switch XY key   (25) Reset key

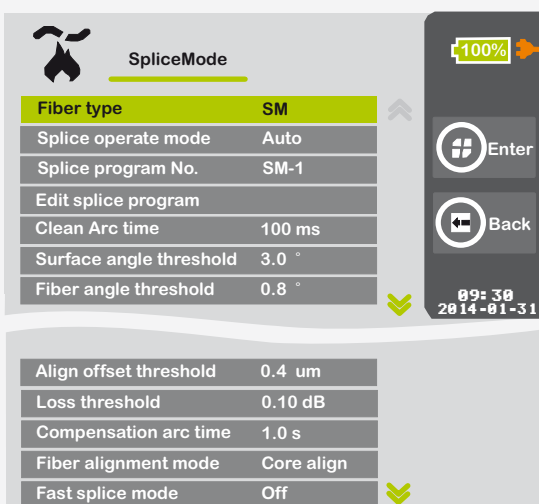(20) Arrow keys   (23) Menu/Confirm

(21) Sleeve heating key   (24) Start key

PROLITE - 41

PROMAX

MENU INTRODUCTION

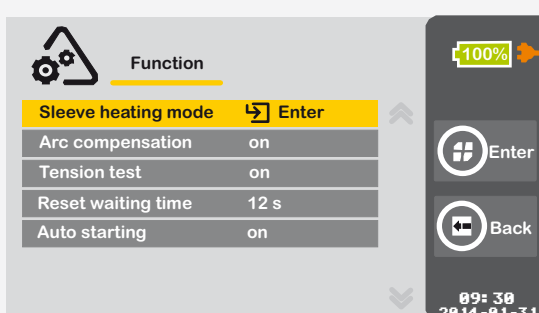|		
Function	SpliceMode	Maintain
System	History	Help

100%
Enter
← Back
09:30
2014-01-31

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

100%

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 °
Fiber angle threshold	0.8 °

Enter
← Back
09:30
2014-01-31

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

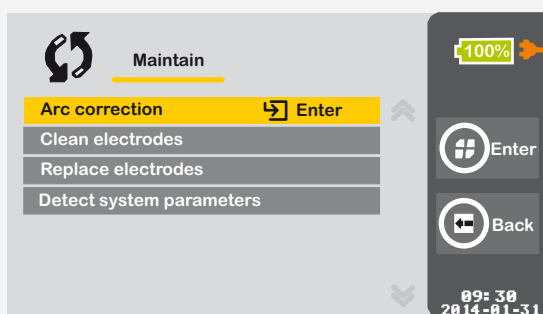**Fiber type:** Set according to the type of fiber used such as SM (single mode), MM (Multimode), DS (Dispersion shifted), NZDS (Non-zero dispersion shifted). Each fiber preset 10 groups of splice program. Users can choose corresponding one based on fiber type.

Splice Operate Mode: Automatic or Manual.

Splice Program No.: 40 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 1 second.

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 0-5°.

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.

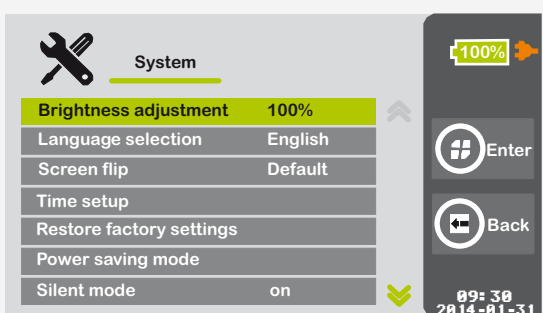**Fast Splice Mode:** If it is "on" it accelerates the alignment.

FUNCTION SETTINGS MENU

Function

100%

Sleeve heating mode	⤷ Enter
Arc compensation	on
Tension test	on
Reset waiting time	12 s
Auto starting	on

Enter
← Back
09:30
2014-01-31

Sleeve heating mode: Set the sleeve heating time.

Arc Compensation: It automatically adjusts the arc current.

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.
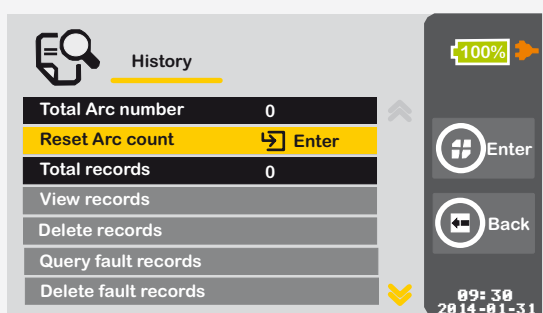
MAINTENANCE MENU

Maintain

- Arc correction ⤵ Enter
- Clean electrodes
- Replace electrodes
- Detect system parameters

100%
Enter
Back
09:30
2014-01-31

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.
Detect system parameters:	It measures the electrodes position, motor and other system parameters automatically.

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
2014-01-31

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
- Reset Arc count ⤵ Enter
- Total records 0
- View records
- Delete records
- Query fault records
- Delete fault records

100%
Enter
Back
09:30
2014-01-31

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.

v2.0

06-03-2014 (0 DG0138)

PROLITE - 41

PROMAX

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

USER MANUAL DOWNLOAD