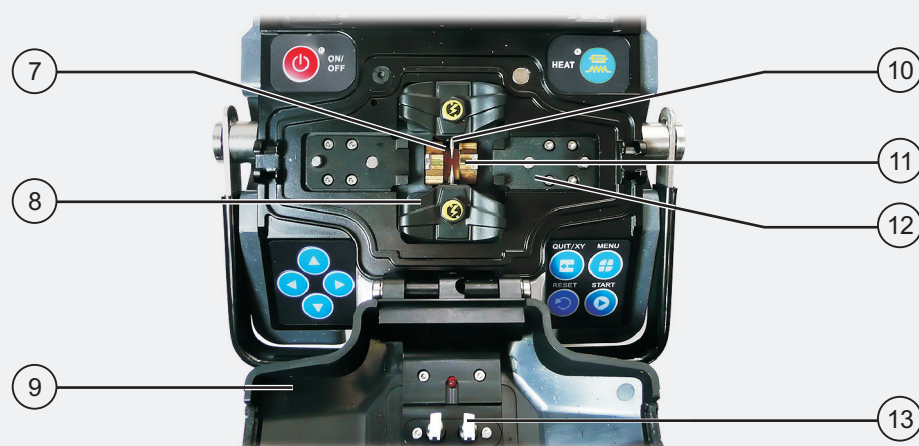


## FRONT VIEW



- |                   |                                    |
|-------------------|------------------------------------|
| 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

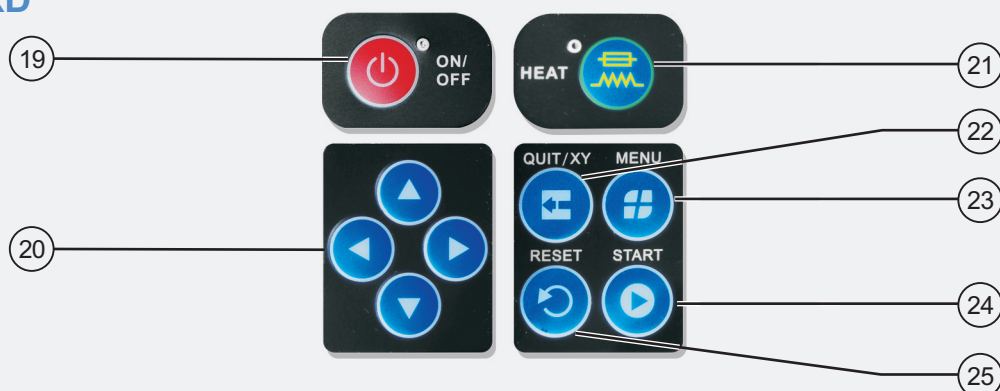
## EXTERNAL INTERFACE



⑰ Power Port

⑱ USB Port

## KEYBOARD



⑲ Power key

⑳ Exit key/Switch XY key

㉑ Reset key

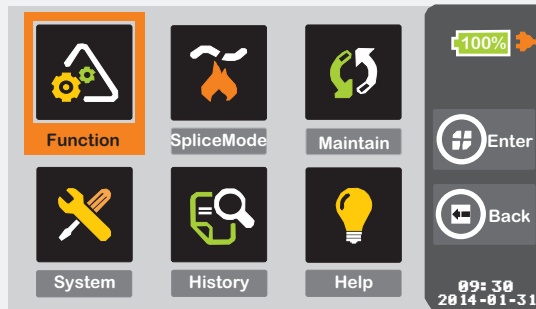
㉒ Arrow keys

㉓ Menu/Confirm

㉔ Sleeve heating key

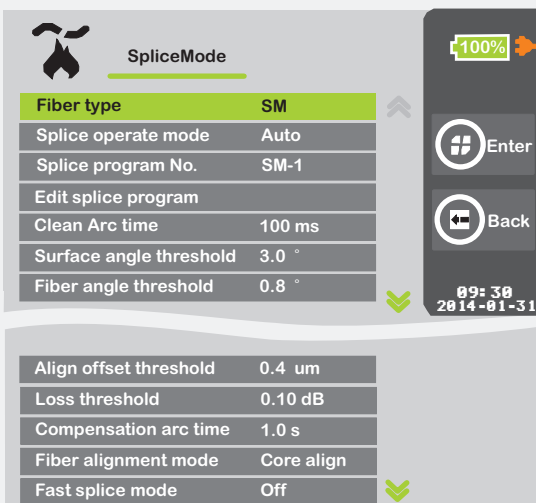
㉕ Start key

## MENU INTRODUCTION



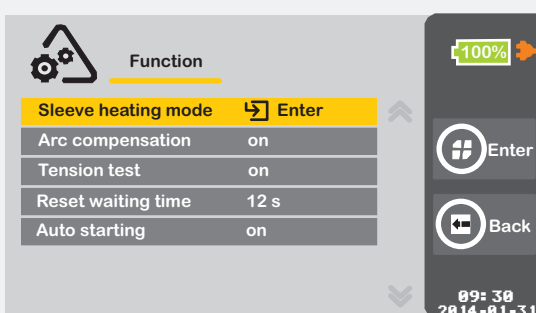
- Function:** Set the parameters of some system functions such as heating mode, arc compensation, reset time, etc.
- Splice Mode:** Set the parameters of splice mode.
- Maintain:** Electrode maintenance, arc correction, calibration, etc.
- System:** Set the display parameters, system language & time, restore to initial settings, etc.
- History:** Record of number of arc times, splice results, etc.
- Help:** Provide key operation manual.

## SPLICE MODE MENU



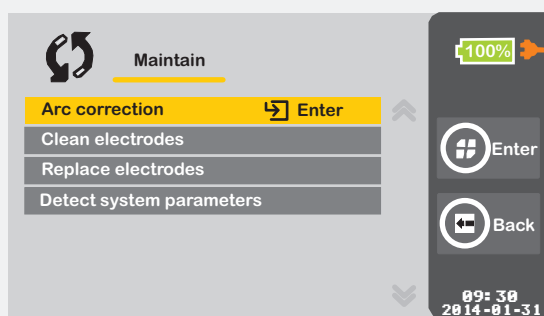
- Fiber type:** Set according to the type of fiber used such as SM (single mode), MM (Multimode), DS (Dispersion shifted), NZDS (Non-zero dispersion shifted). Each fiber preset 10 groups of splice program. Users can choose corresponding one based on fiber type.
- Splice Operate Mode:** Automatic or Manual.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



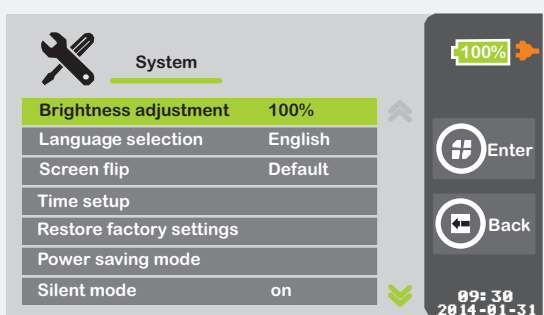
- Sleeve heating mode:** Set the sleeve heating time.
- Arc Compensation:** It automatically adjusts the arc current.
- Tension Test:** If this is set "on", after splice is completed, the equipment will restore and Tension test will perform itself.
- Reset Waiting Time:** If the Tension test is set "off", 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



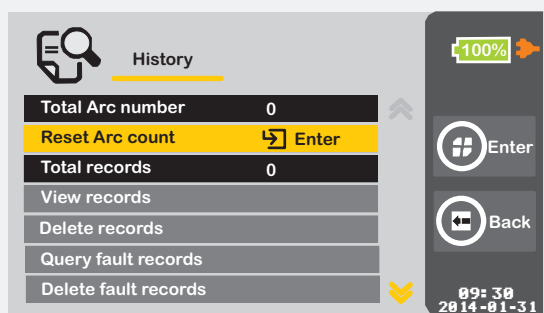
- Arc correction:** It performs an arc test and correction.
- Clean Electrodes:** It repeats short arc several times to clean the electrodes.
- Replace electrodes:** After replace electrodes, repeats short arc several times to stabilize the electrodes and to measure the electrodes position.
- Detect system parameters:** It measures the electrodes position, motor and other system parameters automatically.

## SYSTEM AND FUNCTION SETTINGS



- Brightness Adjustment:** Adjust the display brightness.
- Language Selection:** Select language.
- Screen Flip:** Screen rotates 180°.
- 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



- 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.

