NEW Product LAUNCH

THE FOURTH GENERATION TRUNK LINE OPTICAL FIBER FUSION SPLICER

Built-in high precision

Delay return electric one-step fiber cleaver

Accurate of fiber alignment :0.1μm

SIX MOTORS

FIBER CORE ALIGNMENT

6S SPLICING

15S HEATING

WITHIN OPM FUNCTION

WITHIN VFL FUNCTION

DELAY RETURN ELECTRIC ONE-STEP FIBER CLEAVER

STRIPPER

Humanized design meets different Construction environments

Compact and portable

Climbing high is also easy

Bench+support platform

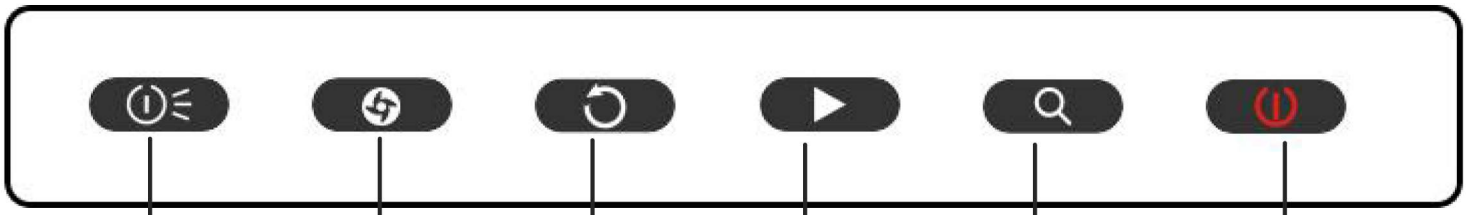
Can be used as a bench

Host support /protection console

Equipped with signal fire stripper

Exquisite craftsmanship
High standard design

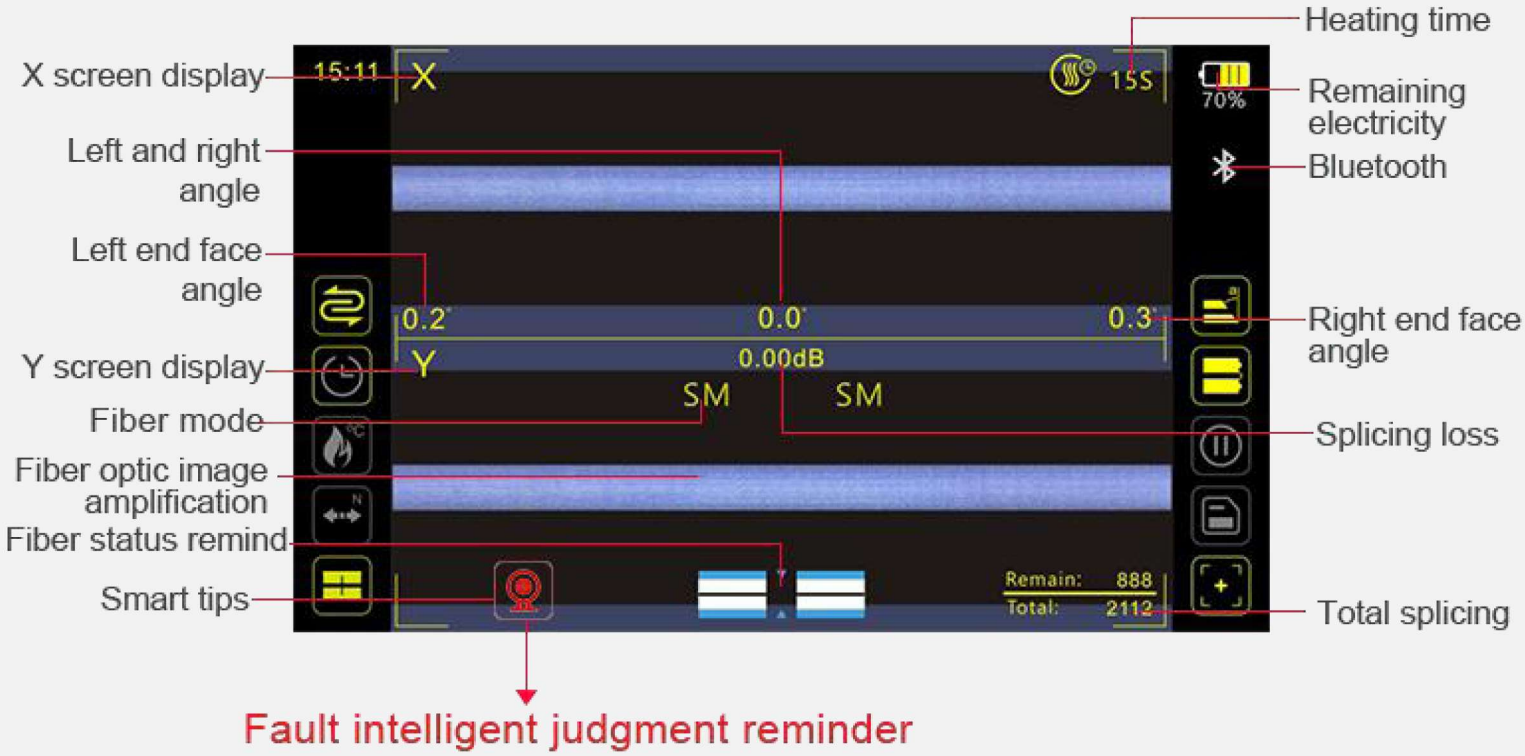
The buttons are clear and beautiful



OPM VFL power switch | Manual changing of blade | Reset key | Continue key | Zoom in key | Machine power switch

Display 5 inch TFT color display screen

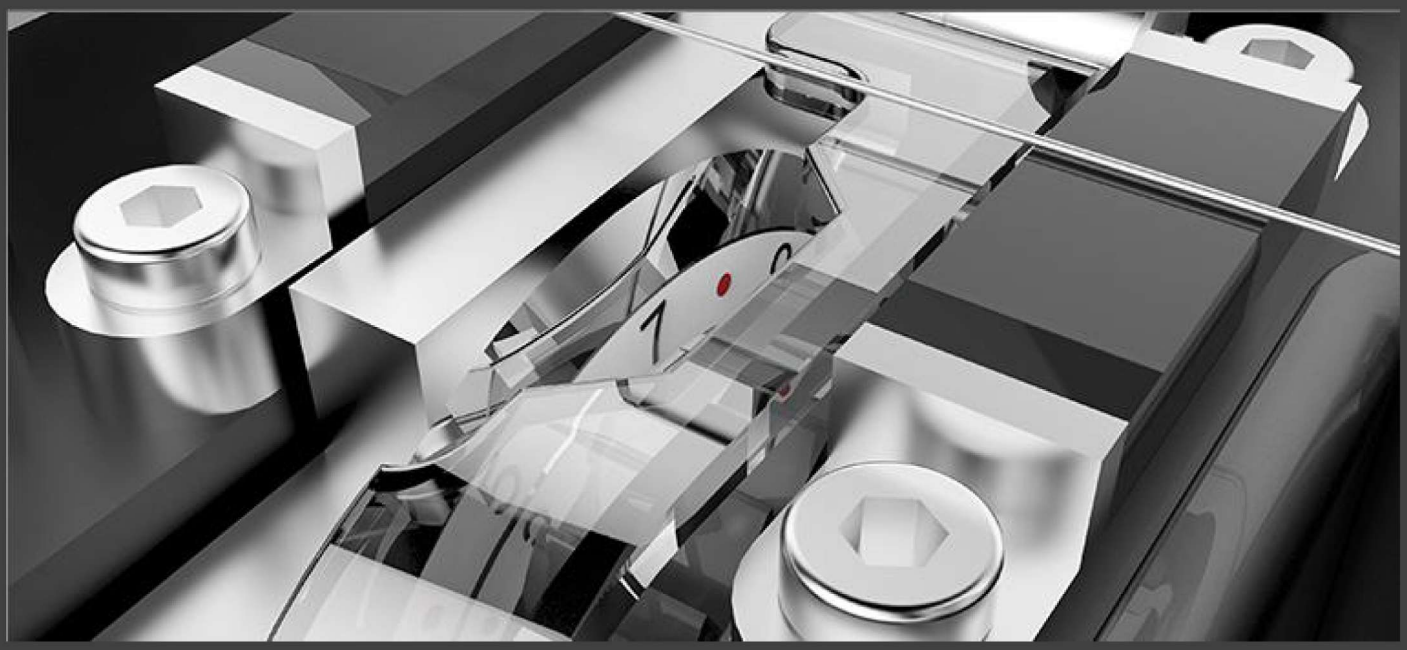
320X (X or Y axis single display) 200X (X and Y axis dual display)



Camera failure | Core align failed | Focus failed | ARC calibration failed | Left and right fiber does not match | The lens is foggy or foreign body interference

Built-in high precision delay return electric one-step fiber cleaver

Blades surface automatically manually change delayed cleaver return

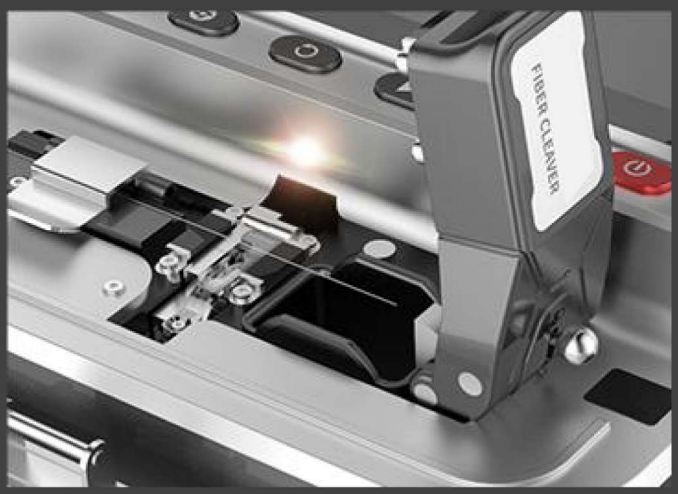


AUTOMATIC CHANGE

Cleaver blades surface automatically change when the current cutting point cut fiber more than 1000 times and continuously shown three times unqualified cutting results.

MANUAL CHANGE

Manual button operation, cleaver blades surface will change.Cleaver has 24 cutting points in total, current cutting point cut numbers, blades total cut numbers, Available within the APP.



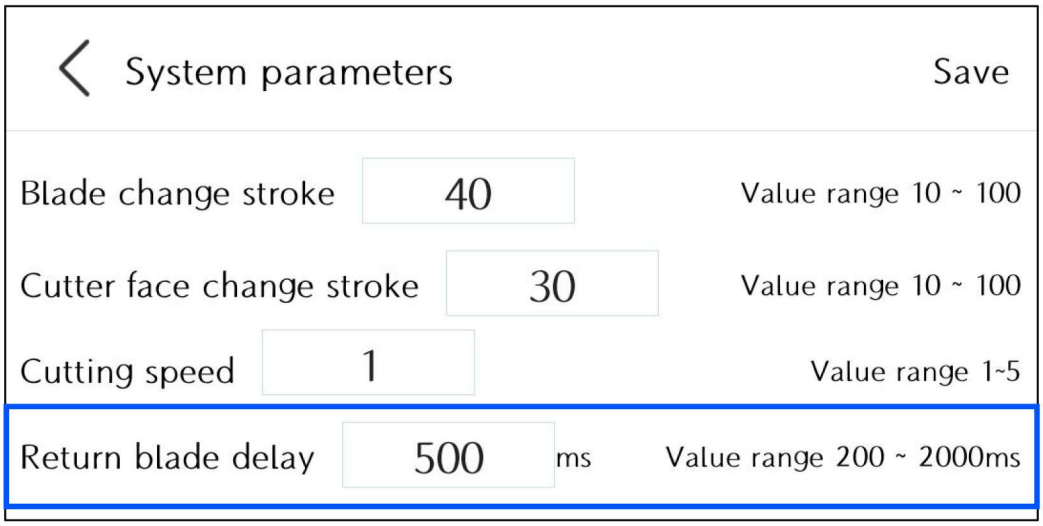
AUTOMATIC DELAYED CLEAVER RETURN

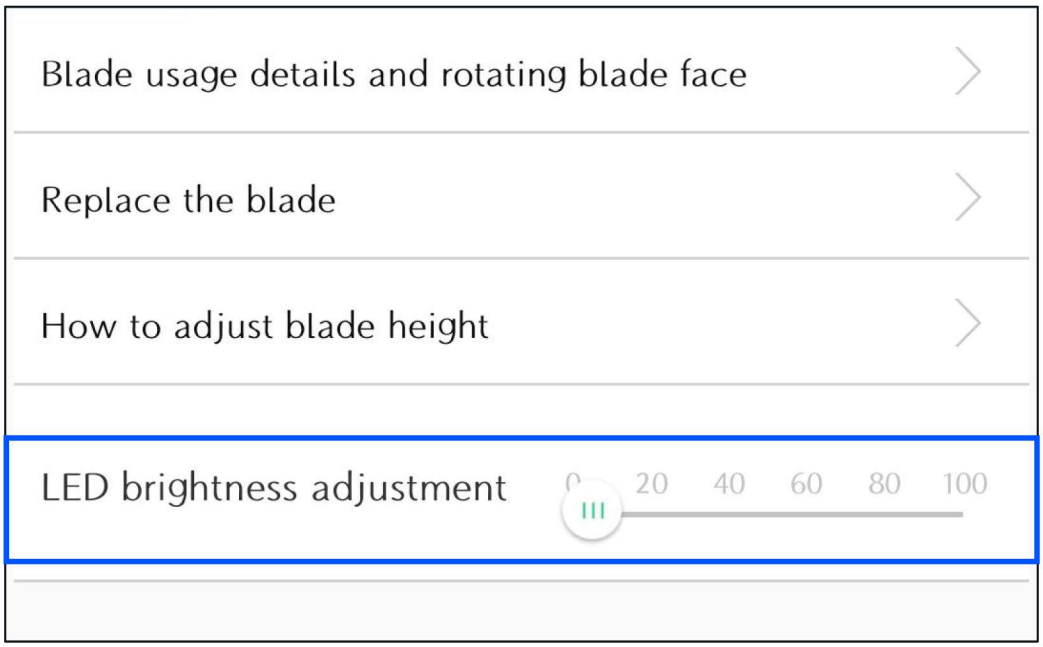
Perfectly solves the problem of traditional mechanical one-step cleaver back cutting scratching the fiber end face. The factory standard delay time is set to 0.5 seconds, and the adjustable range is 0.2 seconds to 2 seconds.

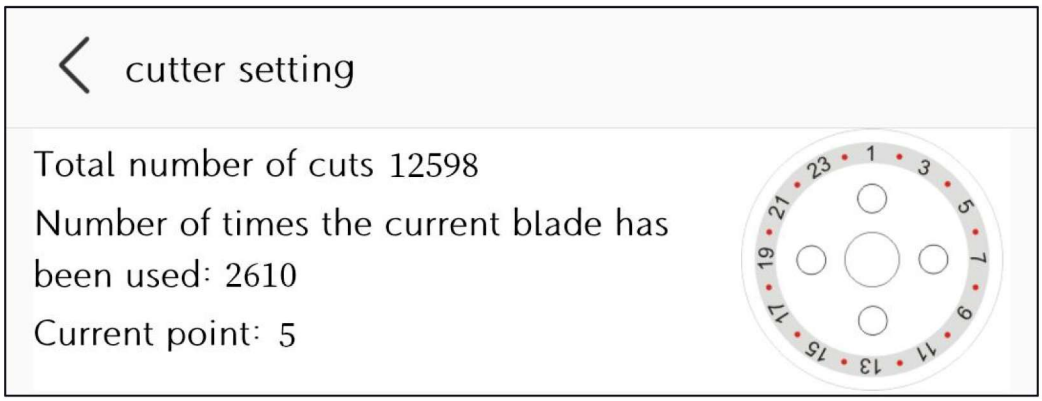
CLEAVER LED AUXILIARY LIGHTING

Brightness can be adjusted through APP.

APP Bluetooth connection







Built-in VFL and OPM function

Measure fiber link loss/luminous flux
Fiber line tracking, breakpoint/light leakage detection

OPM(Measurement range: -50+30dbm)

VFL(10km)

OPM

Switch between ten states

Wavelength: 850nm、1300nm、1310nm
1490nm、1550nm、1625nm、980nm
1270nm、1577nm、1650nm

VFL

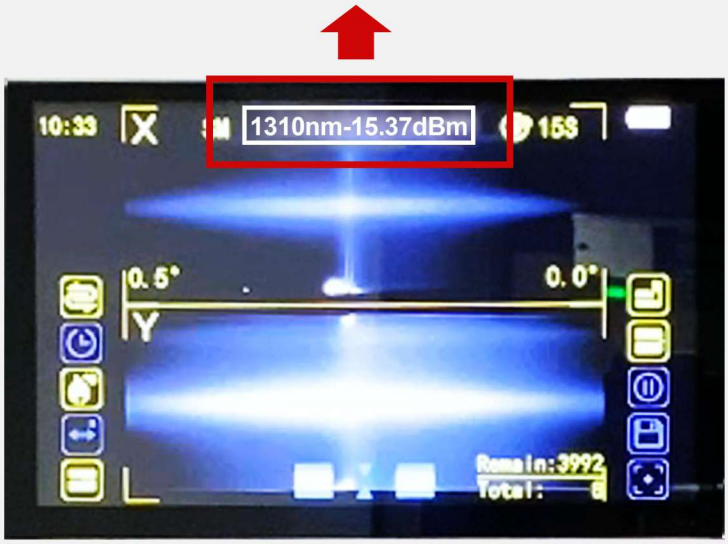
Switch between three states

power: 15mW, 2Hz flashing and steady on mode

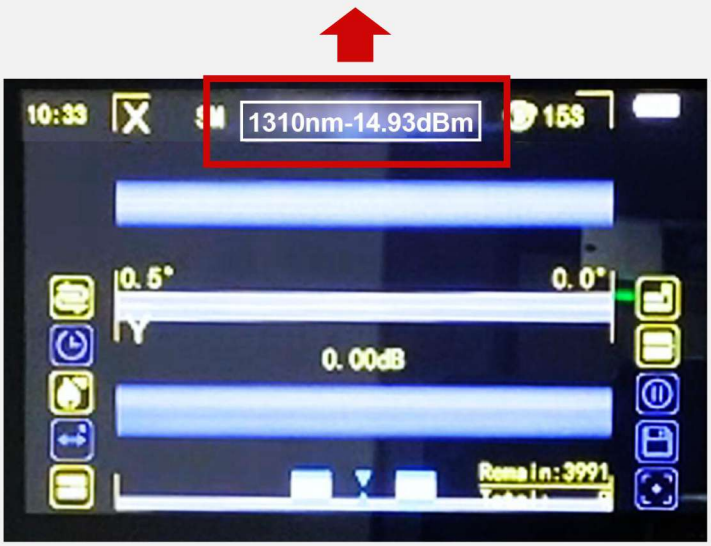
Real-time luminous flux assisted alignment

Only applicable to environments with stable optical signal link from front

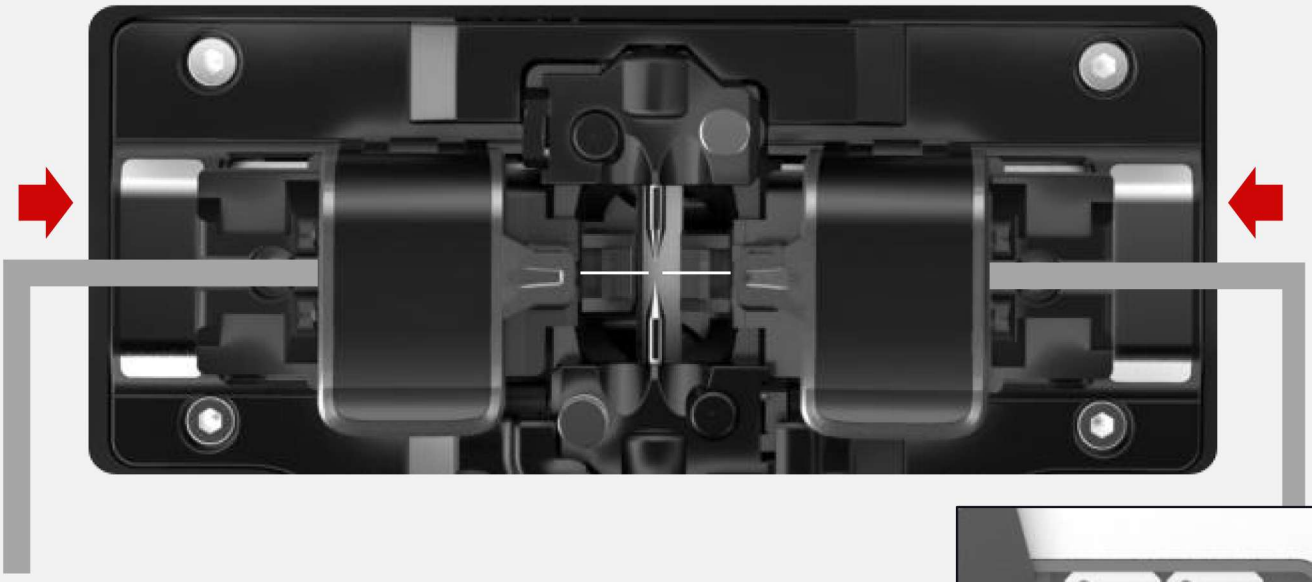
Intelligently analyze the alignment point with the lowest splicing loss and then splice the fiber



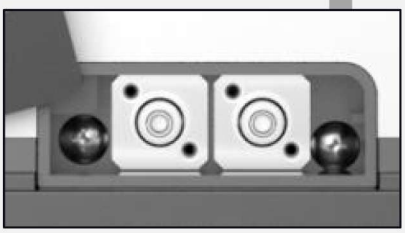
Splicing is completed



Real-time luminous flux assisted alignment technology developed by Signalfire, which intelligently analyzes the alignment point with the least loss to minimize the fiber fusion loss.



Optical fiber on the left which is stable optical signal link



Optical Fiber on the right with fast connector which has pluged to OPM Port

Equipped with signal fire stripper

A GOOD STRIPPER NINE FUNCTIONS

- kevlar scissors
- Three-port Miller stripper
- 5G FTTH Drop cable
- Both regular FTTH Drop cable
- FTTH Drop cable steel wire pliers
- Rotary ruler
- Cleaning cotton

Signal fire stripper

kevlar scissors
(prohibit cutting steel wires)

Three-port Miller stripper

Cleaning cotton

5G FTTH Drop cable
Caliber: 2mm x 1.6mm

Both regular FTTH Drop cable
Caliber: 3mmx2mm

Rotary ruler

FTTH Drop cable steel wire pliers

Can not cut FRP steel wire/else steel wire Blade maybe will scratch and have trace, It’ s normal and will not influence you to use it If you are care about this, Then please buy with cautions.

7800mAh lithium battery

Dual charging path

In full state, 240 cores can be continuously fused and heated

Charging channel ①
Input voltage :13.5±0.5V
Input current :4.8A

Power indicator light

Charge indicator light
Indicator light turns off when fully charged

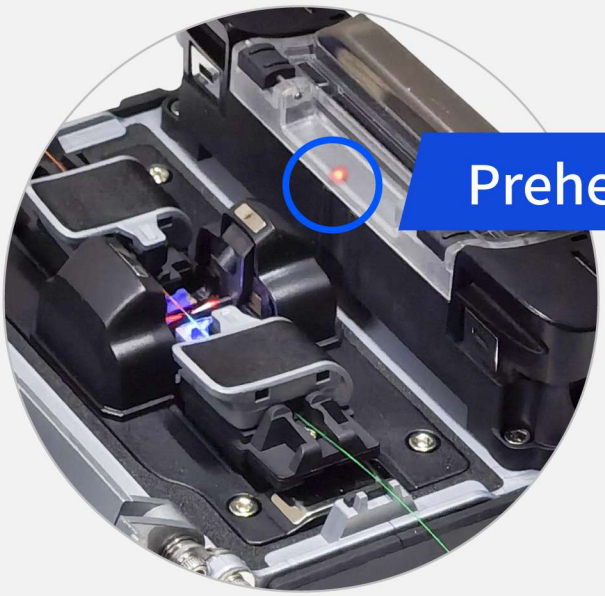
Press to check the power level

Press to popup the battery
Press the button and the battery will pop up slightly Can charge the battery separately

Charging channel ②

Charging time ≤3.5 hours

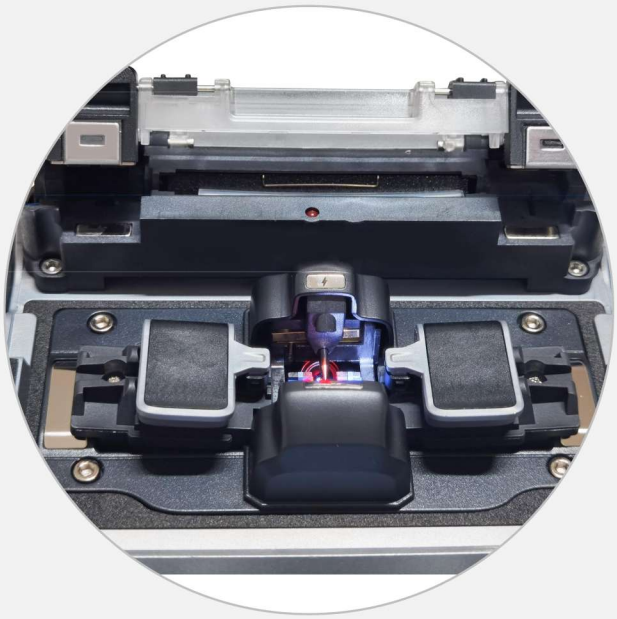
15S automatic heating

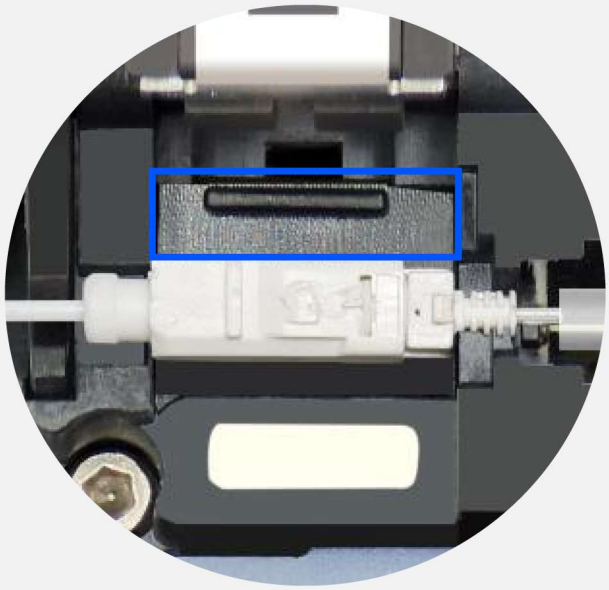


Preheating

Successful fiber spliced. When opening the windproof cover to take out the fiber, the machine turns on pre heating for up to 6 seconds

Heating part automatic lid closing





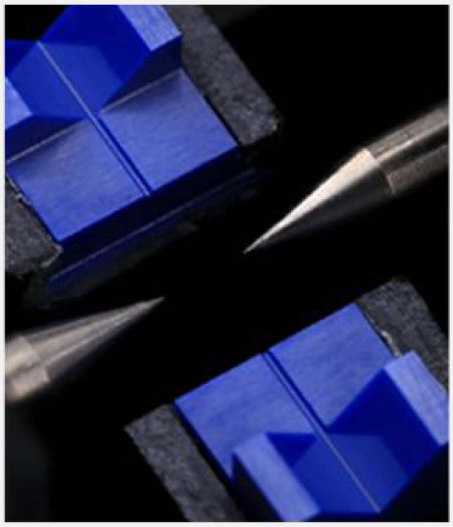
Heating part compatible with SC fiber

SC Fiber: Push up

Ordinary fiber: Push down

3-IN-1 UNIVERSAL FIBER HOLDER

SM, MM, bare fiber, pigtail,
Drop cable , multi fiber cable



EXQUISITE DETAILS

THE BUTTONS ARE CLEAR AND BEAUTIFUL

COOLING RACK EXPANDABLE AND CLOSABLE

ULTRA THICK PROTECTIVE RUBBER PAD

Thickened buffer structure provides maximum protection

Outdoor fiber splicing
Compact and portable

Bench+support platform

Compact and portable

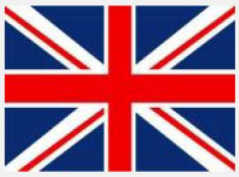
Combination hanging chain
Climbing homework

Compact and easy to carry

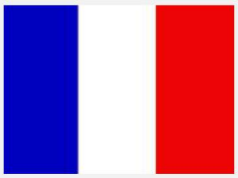
10 languages available

Multilingual Settings, covering the global market

Chinese

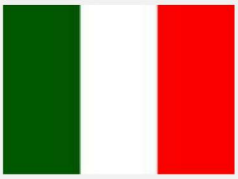


English



French

Russian



Italian

Portuguese

Polish

Spanish

Thai

Arabic

Basic parameter

Fiber alignment	Core/cladding；Real-time luminous flux assisted alignment（Only applicable to environments with stable optical signal link from front）
Motor number	6 motors **Accurate of fiber alignment :0.1μm**
Splicing time	6s
Heating mode	15s， can be customized according to the external environment
Fiber type	Single-mode fiber (SMF/G.652), BIF/G.657); Suitable for single mode, multi-mode, bare fiber, tail fiber, drop cable, jumper, invisible optical fiber.
The cladding diameter	80-150μm
Splicing loss	0.02dB（SM）、0.01dB（MM）0.04dB（DS/NZDS）
Splicing mode	Automatic focusing core alignment, conventional/high precision splicing
Splicing way	Automatic, semi-automatic,manually
Fiber cleaver	High precision delay return electric one-step fiber cleaver
Fiber holder	Three in one fixture, no need to change, suitable for single/multi-mode, multi-core cable/bare fiber, tail fiber, jumper fiber,drop cable
VFL	The machine comes with power: 15mW, 2Hz flashing and steady on mode
OPM	Wavelength: 850nm、1300nm、1310nm、1490nm、1550nm、1625nm、980nm、1270nm、1577nm、1650nm/Measurement range: -50+30dbm Absolute error: <0.3dB (-50dbm ~+3dBm range)
Battery capacity	7800mAh large capacity lithium battery charging time ≤3.5 hours; It can continuously weld and heat about 240 cores
Magnification	320x (X or Y axis single display)， 200x (x and Y axis dual display)
Fiber diameter	Coating diameter: 80-150μm/Coating diameter: 100-1000μm
Cutting length	Coating layer 250μm below: 8-16mm/coating layer 250-1000μm: 16mm
Heat shrink tube	60mm、50mm、40mm、25mm
Tensile testing	standard 2N
display	5 inch TFT color display screen
Boot time	1s, boot can enter the working mode
Data is stored	Unlimited, machine storage 1000 groups, the excess part can be stored in the server, can export data.
Wireless communication	Based on bluetooth 4.2 protocol standard, the working band is 2.4GHz, the maximum transmission range is 60m
Software upgrade	Mobile phone APP Internet update, enable Bluetooth synchronization upgrade machine software
Management function	The equipment owner can be bound as the highest authority, and can remotely view the splicing records, splicing time, loss, etc. through the mobile phone APP. The number of splicing times or working time of the equipment can be set. The manager can effectively manage a single or multiple equipment.
Return loss	Better than 60 db
Product protection	Waterproof, dustproof and fall proof
Power supply	Input AC100-240V 50/60Hz, output DC13.5V/4.8A, the current power mode can be identified, real-time monitoring of the current battery level
The work environment	Temperature: -15 ~ +50℃, humidity: < 95%RH (no condensation), working altitude: 0 ~ 5000m, maximum wind speed: ≤15m/s

Accessories in the tool box

❶ Toolcase ❷ Fusion splicer ❸ Spare electrode ❹ stripper
(Including a bag of cleaning cotton)

❺ Alcohol bottle ❻ Cleaver cleaning cotton swab ❼ Allen wrench ❽ Brush

❾ Climbing combination hanging chain ❿ Toolbox strap ⓫ Belt ⓬ Power adapter

⓭ User' s manual / Quality Certificate / Warranty Card / Fiber for ARC

Size and weight

Machine size

165mm x 255mm x 185mm

Machine weight

3.09kg

Toolbox size

165mm x 255mm x 230mm

Weight of toolbox

(complete set) 4.50kg

Total size

340mm x 255mm x325mm

Total weight

5.50kg

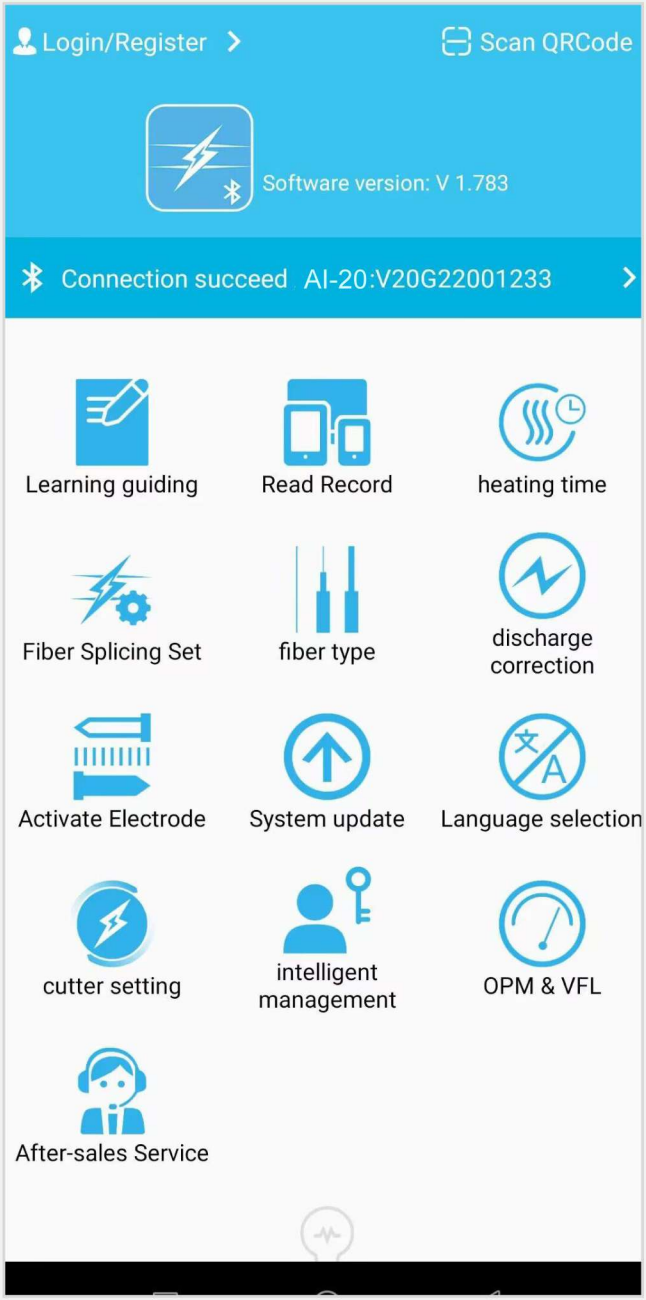
Bluetooth Connection

Establishing wireless communication through Bluetooth technology to achieve data transmission

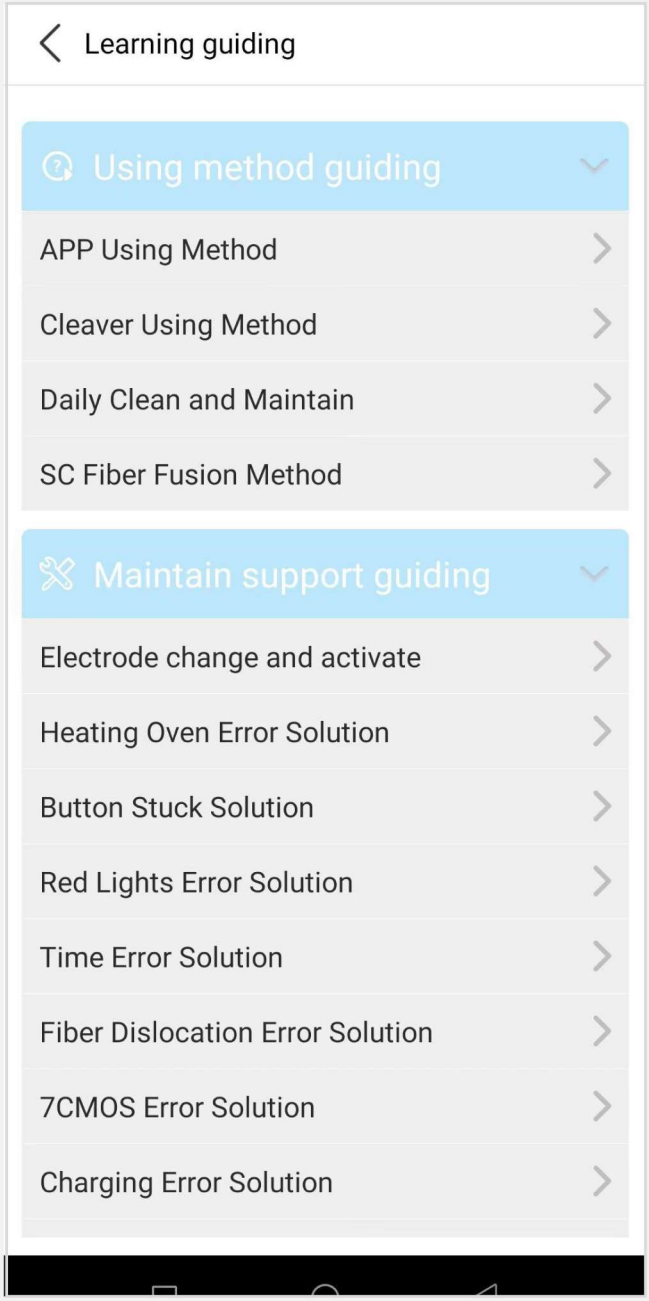
- Welding record can be read through mobile phone, and the data can be exported;
- You can set the parameters of the welding machine, such as selecting the machine language, changing the heating time, selecting the fiber optic alignment mode, etc;
- You can manage the welding machine, such as setting the use time of the machine, welding times, etc;
- Upgrade the phone APP, bluetooth connected to the machine to upgrade the machine software;

Intelligent interaction, avoid tedious

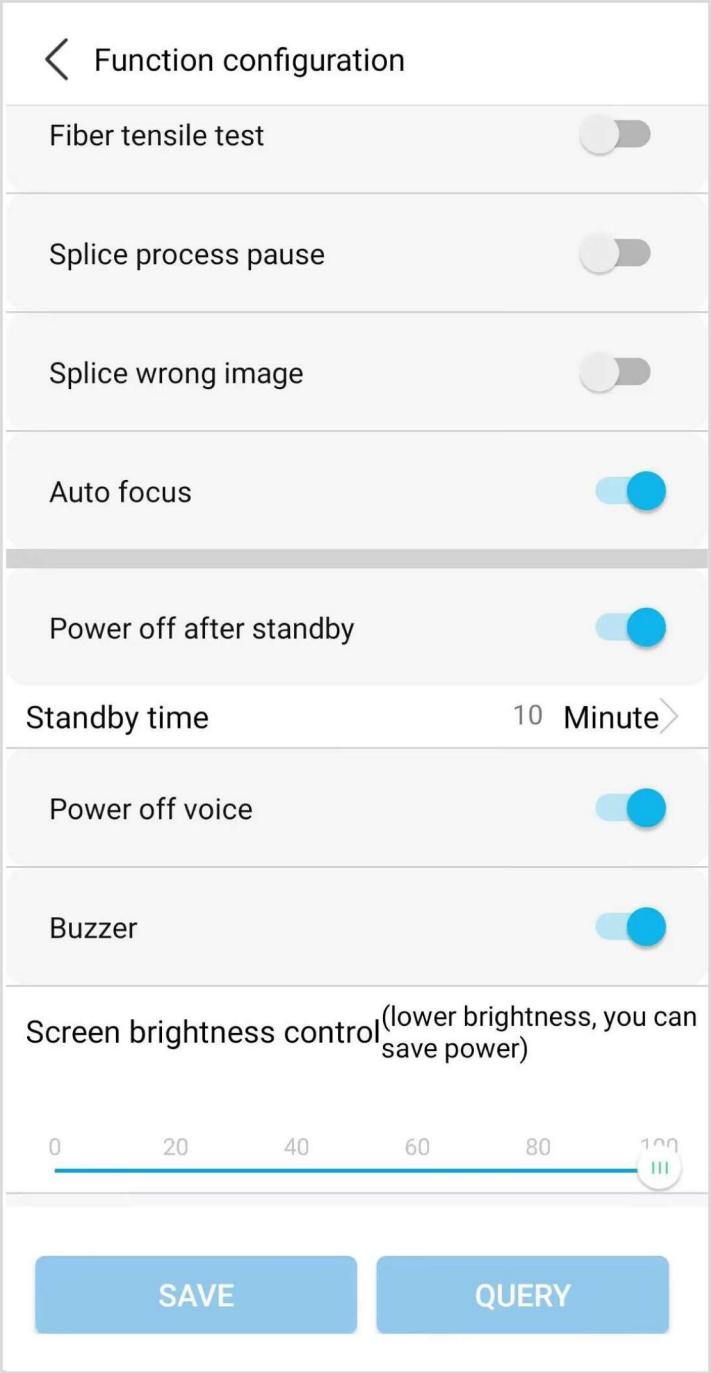
Scan the QR code of the welding machine startup screen to download the Mobile APP The phone connects to the splicer via Bluetooth



APP main interface

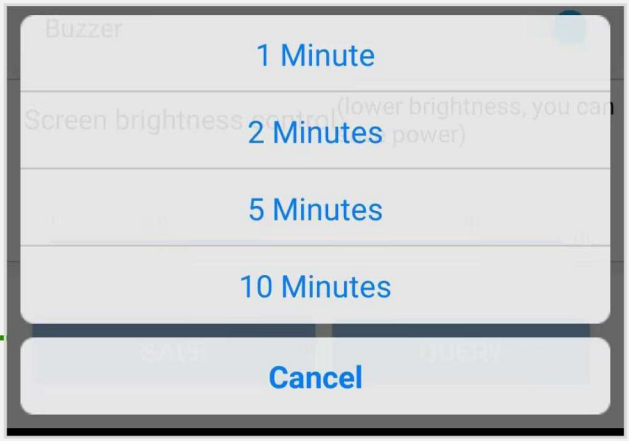


Learning guidance interface



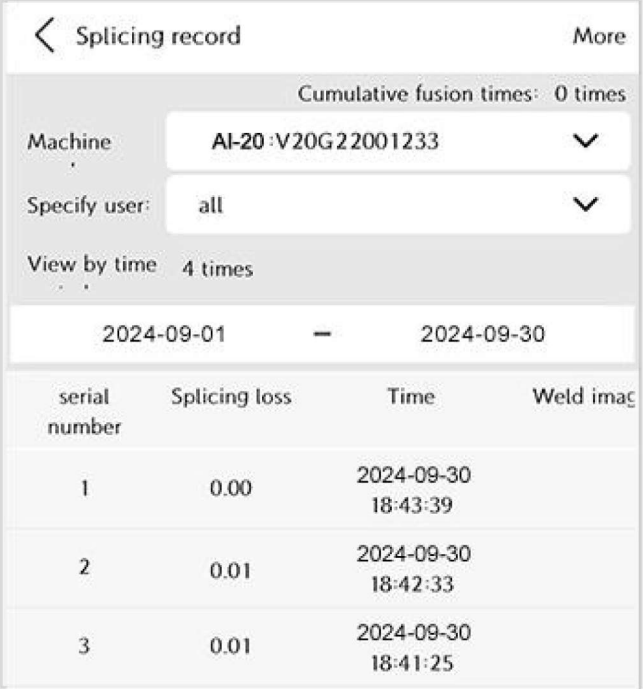
Energy saving mode

Automatic shutdown of the machine without any action within the set time



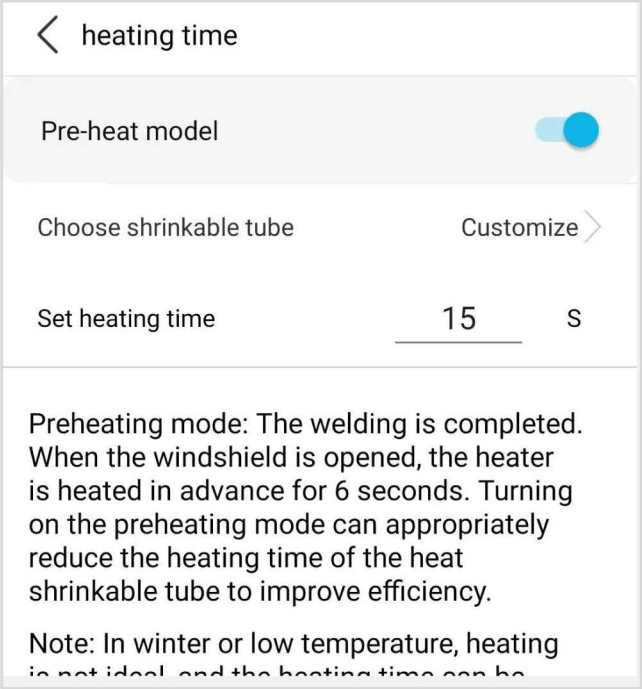
After it is opened, there will be voice prompt in the whole process from fiber laying, fiber matching, welding and loss value. In case of unqualified items, it will be directly informed.

Adapt to bright light, dark and other different outdoor environment



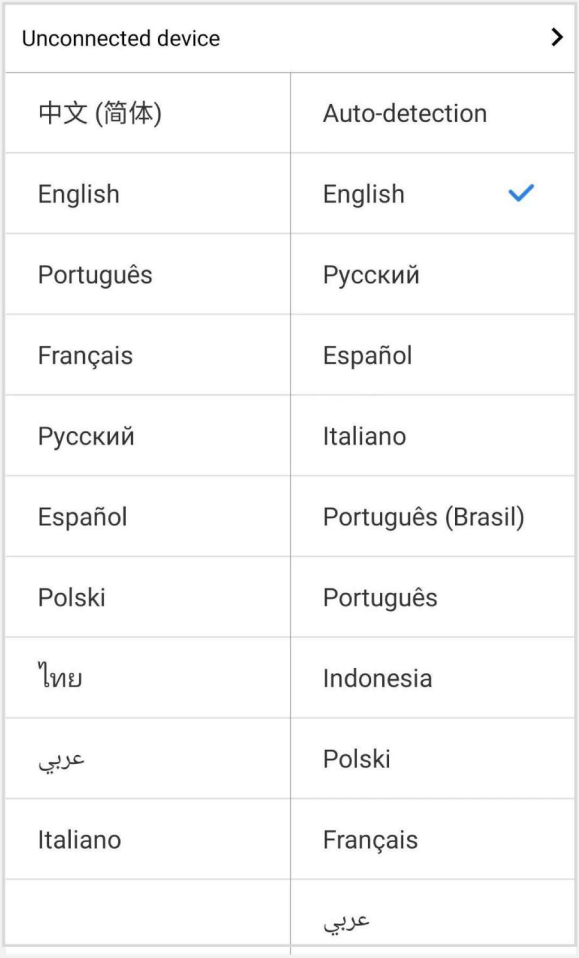
Splicing records can be downloaded and exported

Unlimited storage of splicing records
Can be viewed on mobile devices

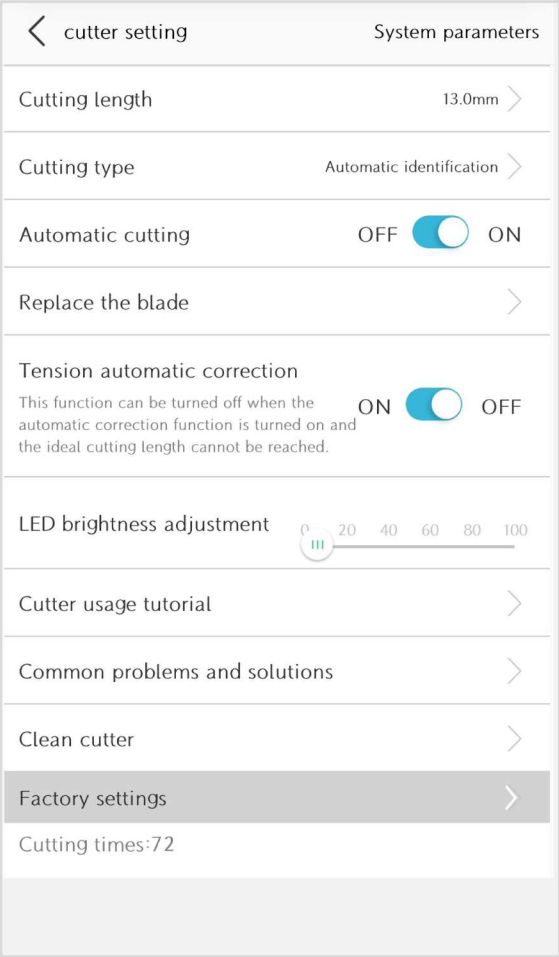


Heating time customization

Extreme cold/high temperature can be extended or shortened appropriately



Fusion splicer language/ mobile app selection



Cleaver Parameter setting /adjustment