

**JILONG**

Since 1993

# 500E Mini FTTx Fusion Splicer



Light weight  
& Compact



Suitable for  
working at height



No need tools to  
replace electrodes



Automatic  
welding heating

CE

EMC



## Feature Description

- Efficient, versatile, lightweight & portable
- Working platform design for aerial work
- Special 3-in-1 fiber holder
- Electrode life around 5000 times(Replaceable)
- Innovatively no need tools to replace electrodes
- Support 220 times of splicing + heating when fully charged

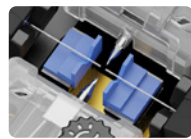
## Main Features



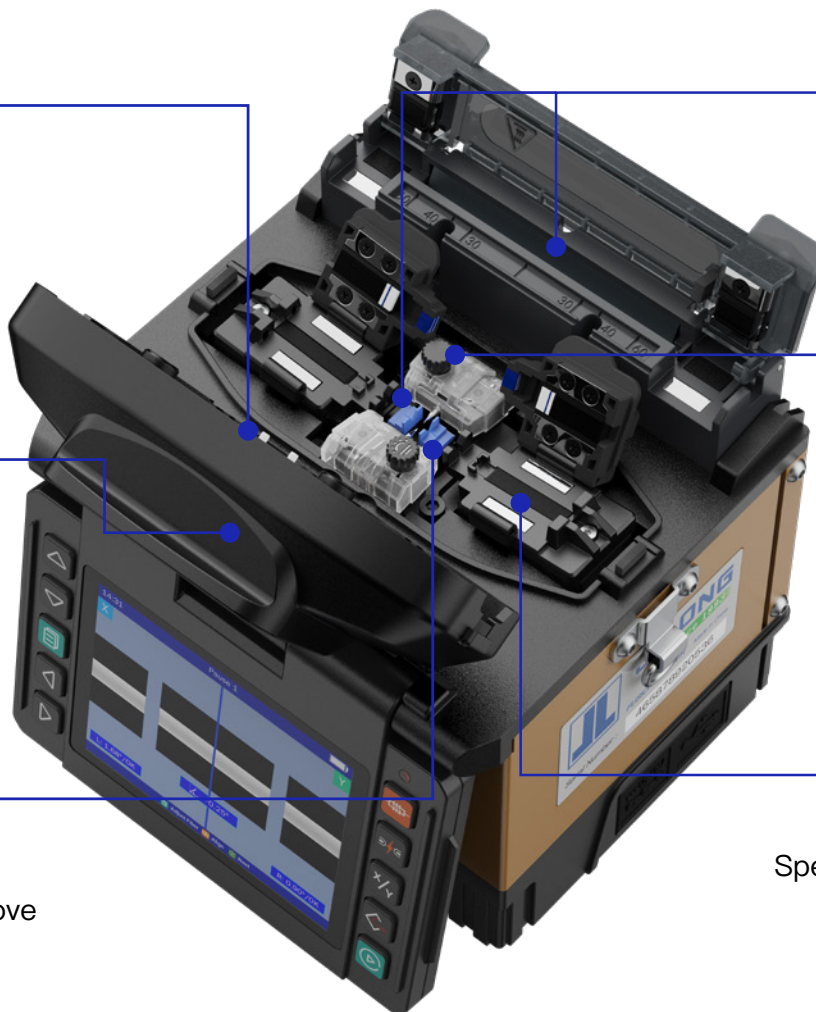
Durable ceramic fiber pressure heads



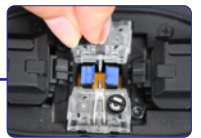
Mirror design makes uniform light path



Special designed V-groove



Fast-splicing 8s  
Fast-heating 18s



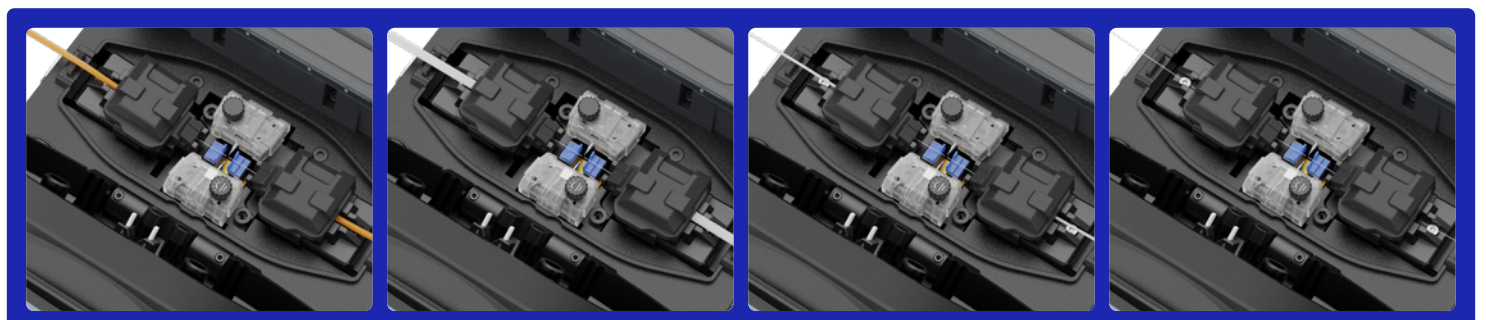
The electrodes can be replaced by screwing it gently without tools

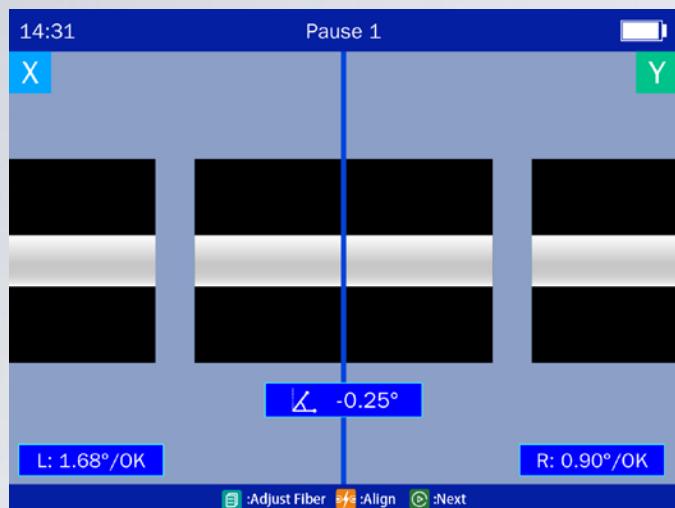


Special 3-in-1 fiber holder

### 3-IN-1 Fiber Holder

Fiber holder suitable for Bare Fiber/ 3.0mm, Jump Fiber/ Pigtail and Fiber/Rubber-insulated fiber cable





Fast-splicing  
8s



Fast-heating  
18s



## Working platform design for aerial work

High altitude operation adaptability. Not only suitable for aerial work, also suitable for conventional ground work in any environment

Installation  
completion effect

# Rich expansibility fiber optic cleaver operating platform (Optional)

Support the placement of cleaver  
operating platform, do cleaving  
and splicing work in one step  
(Operation platform be ordered separately)

Invention patent application number 202210544729.X  
Utility model patent application number 202221202906.8

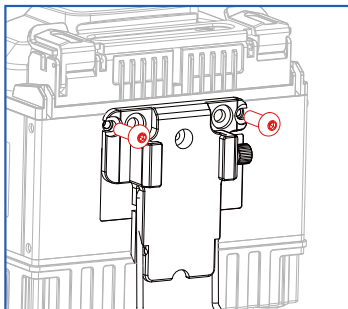
Suitable for different models  
fiber optic cleavers

Cooling tray can be placed

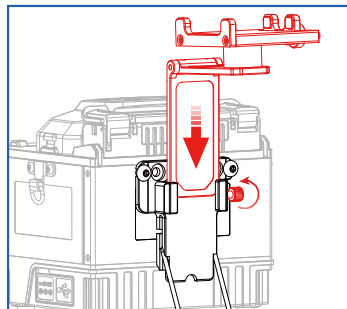
Highly scalable

\*Operation platform  
be ordered separately

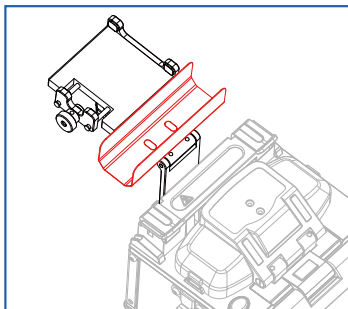
## Installation instructions of fiber optic operating platform



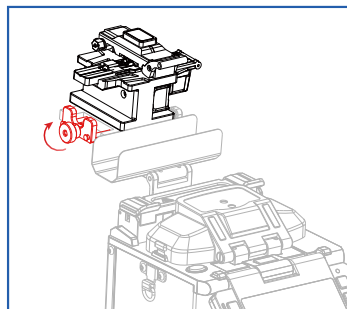
Step 1:  
Install the fixing plate behind  
the fusion splicer with screws  
(M3/ M4/ M5).



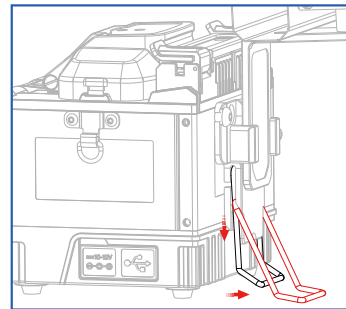
Step 2:  
Insert the support plate into the fixing  
plate and tighten the fixing  
screws.



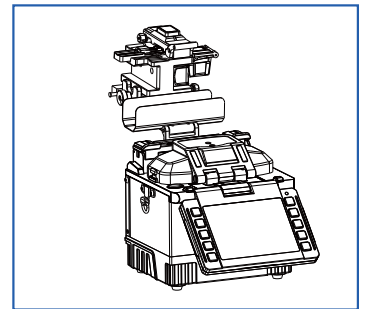
Step 3 :  
Place the cooling tray in the  
corresponding position of the support  
plate, and the installation is completed.



Step 4 :  
After placing the fiber cleaver on the  
operating platform, adjust the depth  
of the screw so that the rubber pad  
fits the cleaver completely.



Step 5 :  
Pull the bracket vertically to the  
bayonet, and then pull it horizontally  
to support the machine on the table.



Step 6 :  
Now, the bracket installed on the  
fusion splicer for placing the cleaver  
and the cooling tray is installed.



## Specification

|                            |                                                                               |
|----------------------------|-------------------------------------------------------------------------------|
| Splice Method :            | Active Clad–Alignment                                                         |
| Applicable Fibers :        | SM(ITU–T G.652&G.657) / MM(ITU–T G.651) / DS(ITU–T G.653) / NZDS(ITU–T G.655) |
| Compatible Fiber/Cable :   | 0.25~3.0 mm / indoor flat cable                                               |
| Fiber Holder :             | Replaceable                                                                   |
| Fiber Diameter :           | Cladding: 80–150µm, Coating: 100~1000µm                                       |
| Fiber Cleave Length :      | 8~16 mm                                                                       |
| Splice mode :              | Max 128 modes                                                                 |
| Typical Splice Loss :      | SM: 0.03dB / MM: 0.01dB / DS: 0.04dB / NZDS: 0.04dB / G.657: 0.03dB ★①        |
| Return Loss :              | >>60dB                                                                        |
| Splicing Time :            | SM Quick mode : 8 sec / SM Average: 10 Sec                                    |
| Estimated Splice Loss :    | Available                                                                     |
| Heating Time :             | Quick mode 18 sec.(SM G652 250µm 40mm Sleeve) adjustable★②                    |
| Protection Sleeve Length : | 20mm, 30mm, 40mm, 50mm, 60mm                                                  |
| Heat Programs:             | Max 32 modes                                                                  |
| Battery :                  | 4000mAh Battery Capacity, Typical 220 Cycles (Splice&Heat) per Charge ★③      |
| Electrode Life :           | 5000 arcs (replaceable) ★④                                                    |
| Auto–start :               | Splice / Heating                                                              |
| Results Storage :          | The last 10,000 splice records and 2,000 result images                        |
| Tension Test :             | 1.96~2.25N                                                                    |
| Operating Condition :      | Altitude: 0~5000m, 0~95% relative humidity, –20~50°C, Max Wind 15m/s          |
| Storage Condition :        | 0~95% relative humidity, –20~60°C                                             |
| Display :                  | 3.5” color high resolution (800 x 480) display                                |
| Fiber Magnification :      | X, Y, XY, X/Y : 320X Magnification                                            |
| Power Supply :             | AC Input 100–240V~50/60Hz 2.0A, DC Input 14.0V ■ 4.0A                         |
| Terminal :                 | USB2.0                                                                        |
| Weight :                   | 1.06kg without battery / 1.35kg with battery                                  |
| Size :                     | 130H x 113W x 126D mm                                                         |

★① With identical fibres(in room temperature). Measured by cut–back method relevant to ITU–T and IEC standards.

★② 0.25mm fiber,may vary depending on the battery status and operating environment.

★③ Splice & Heat cycles based on 40mm shrink tube.

★④ Electrode life may vary depending on the operating environment.

|                                                                     |      |
|---------------------------------------------------------------------|------|
| Fusion Splicer                                                      | x1   |
| Fiber Cleaver                                                       | x1   |
| Power adapter                                                       | x1   |
| Carrying case                                                       | x1   |
| Cooling tray                                                        | x1   |
| Fiber Stripper (2-in-1 Drop Cable Stripper)                         | x1   |
| Splice Protection Sleeves (pcs)                                     | x100 |
| Alcohol Bottle                                                      | x1   |
| Electrode box<br>(Spare electrodes (pair) + Scissors + Brush (set)) | x1   |



## NEW CONFIGURATION



## OLD CONFIGURATION



## Contact us

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