

**JILONG**  
Since 1993

# KL-500

## Mini Fiber Fusion Splicer



8s  
Fast-splicing



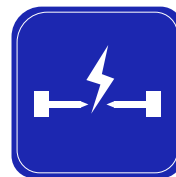
18s  
Fast-heating



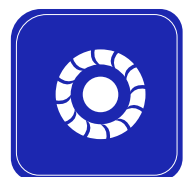
3.5 Inch  
LCD



0.01dB  
Average loss



5000  
Electrodes life



4 Motors  
Aligning

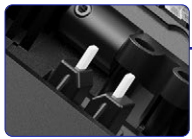


## Feature Description

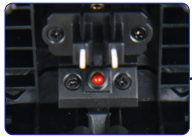
- Fast-splicing 8s, fast-heating 18s
- Average splicing loss 0.01dB
- Electrode life: 5000 times
- 280X Magnification. The fiber core is clearly visible
- 5200mAh Battery capacity, 260 splice & heat cycles
- 3.5 Inch color screen
- 4 Motors aligning
- Compact, Light Weight & Faster
- 3-in-1 Fiber holder
- Saved 10000 sets of welding results, 100 sets of image



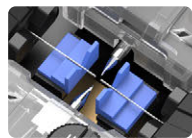
## Main Features



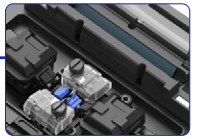
Durable ceramic fiber pressure heads



Non-reflective design for faster response and easy maintenance



Special designed V-groove



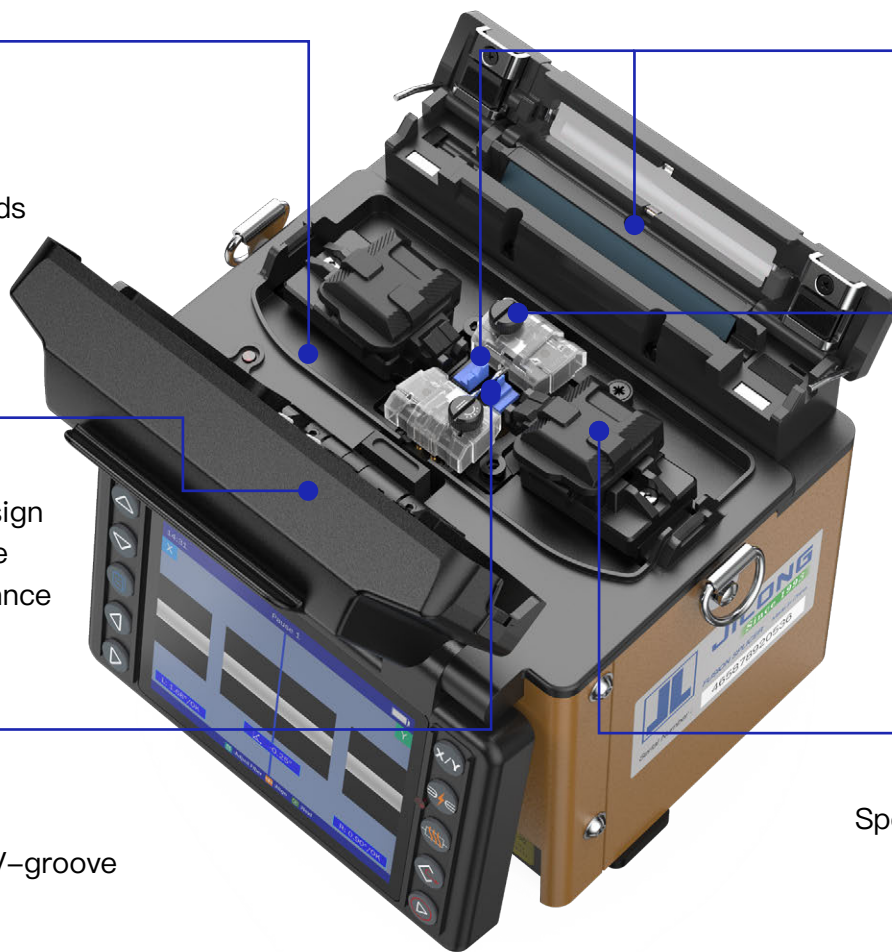
Fast-splicing 8s  
Fast-heating 18s



The electrodes can be replaced by screwing it gently without tools

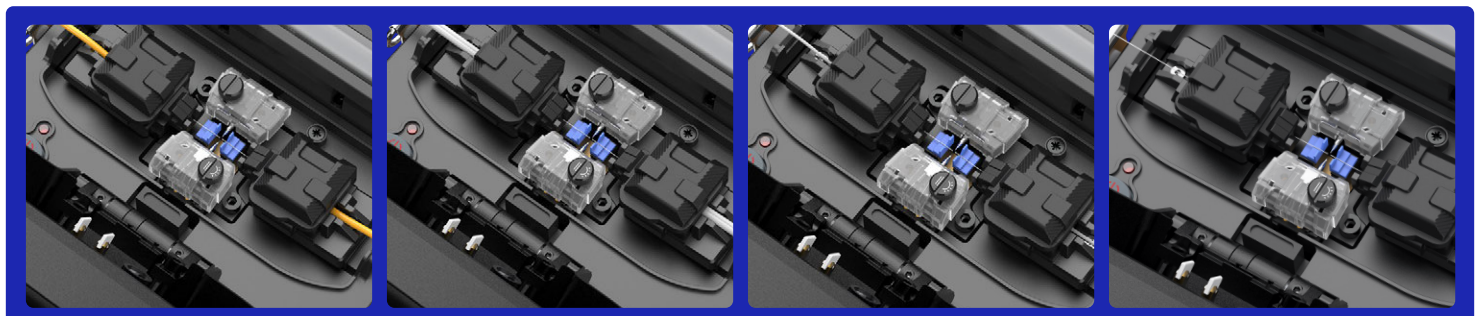


Special 3-in-1 fiber holder



## 3-IN-1 Fiber Holder

Fiber holder suitable for Bare Fiber/ 3.0mm Jump Fiber/ Pigtail Fiber/ FTTH Fiber



## Rich expansibility

### fiber optic cleaver operating platform (Optional)

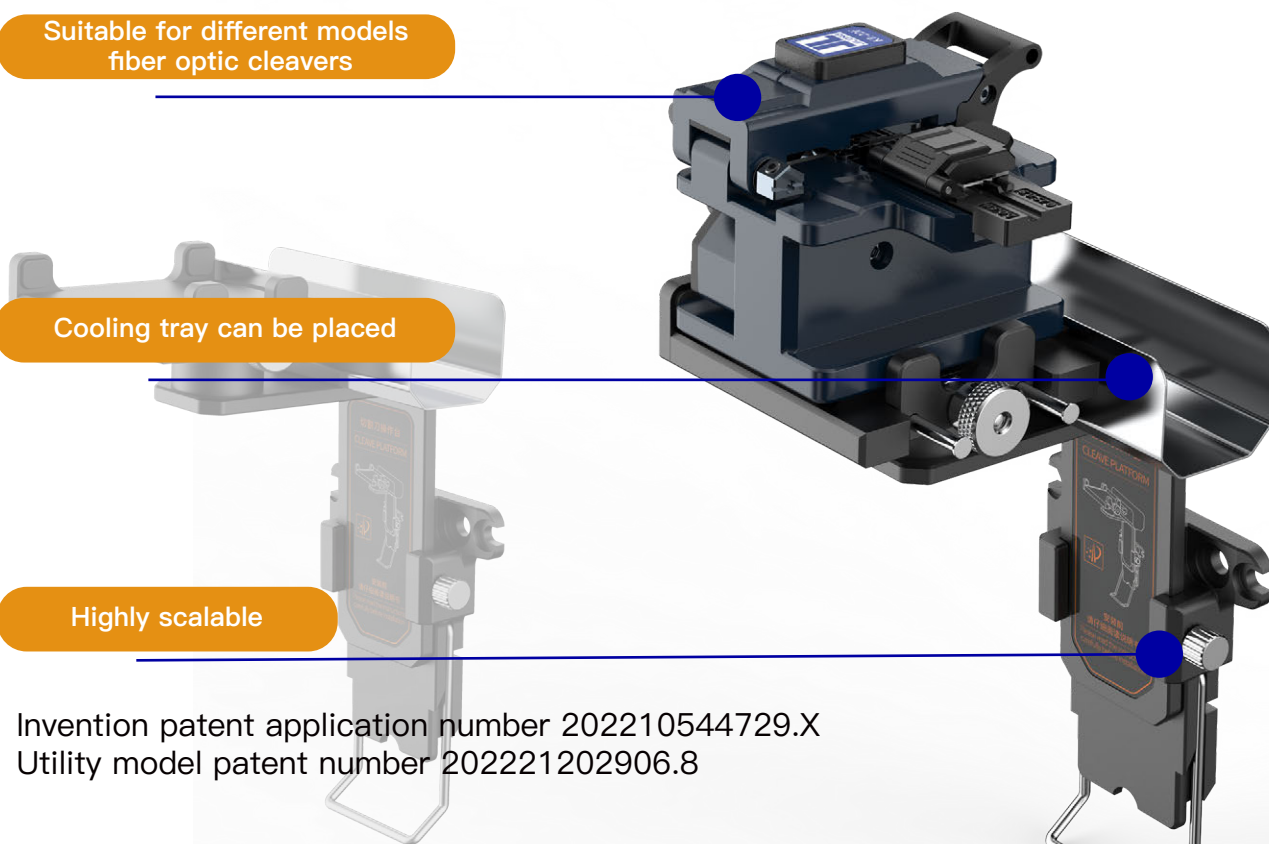
Support the placement of cleaver operating platform, do cleaving and splicing work in one step  
(Operation platform be ordered separately)

Suitable for different models  
fiber optic cleavers

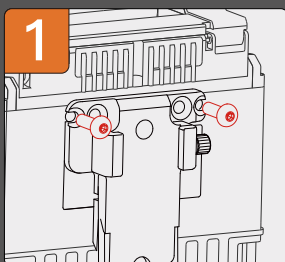
Cooling tray can be placed

Highly scalable

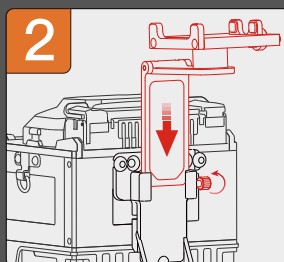
Invention patent application number 202210544729.X  
Utility model patent number 202221202906.8



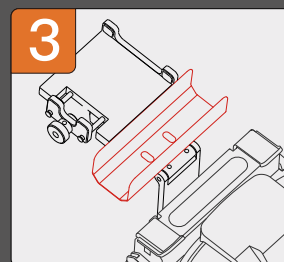
## Installation instructions of fiber optic operating platform



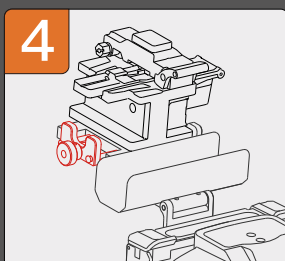
Install the fixing plate behind the fusion splicer with screws (M3/ M4/ M5).



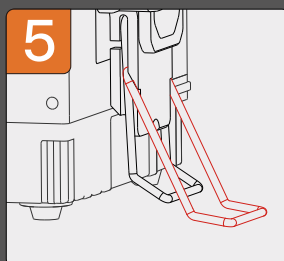
Insert the support plate into the fixing plate and tighten the fixing screws.



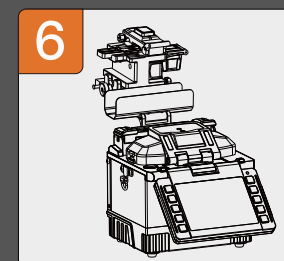
Place the cooling tray in the corresponding position of the support plate, and the installation is completed.



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



Pull the bracket vertically to the bayonet, and then pull it horizontally to support the machine on the table. (This step can be ignored for medium and large machines)

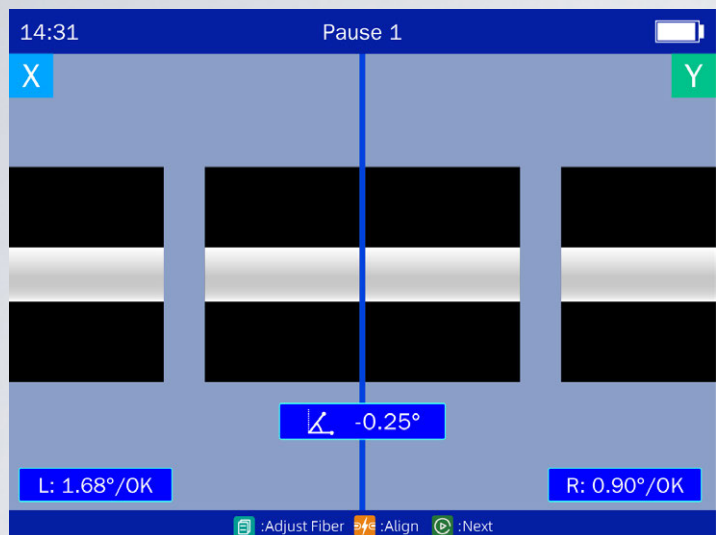


Now, the bracket installed on the fusion splicer for placing the cleaver and the cooling tray is installed.

# Installation completion effect

\*Operation platform be ordered separately





8S  
Fast-splicing



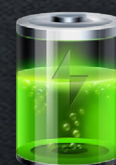
18S  
Fast-heating



Compact &  
light weight



260 splicing &  
heating cycles



5200mAh  
Battery capacity



## 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 :                        | 5200mAh Battery Capacity, Typical 260 Cycles (Splice&Heat) per Charge ★③      |
| Electrode Life :                 | 5000 arcs (replaceable) ★④                                                    |
| Auto–start :                     | Splice / Heating                                                              |
| Automatic Fiber Identification : | /                                                                             |
| Automatic ARC Identification :   | Automatic arc calibration by air pressure and temperature                     |
| 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 100–240V, DC 9–14V                                                         |
| Terminal :                       | USB2.0                                                                        |
| Weight :                         | 1.15kg without battery / 1.45kg with battery                                  |
| Size :                           | 125H x 105W x 113D 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.



## Packing List

- ① KL-22F Fiber optic cleaver
- ② Carry bag (Including Suspenders & belts)
- ③ FOCW Cleaning wipes(box)
- ④ FPS-40 Splicing protector sleeves (piece)
- ⑤ Alcohol bottle
- ⑥ 3-hole fiber stripper
- ⑦ Drop cable stripper
- ⑧ Mini Fusion splicer
- ⑨ Power charger
- ⑩ Cooling Tray



## Contact us

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