



JILONG
Since 1993

KL-520

FTTx Fusion Splicer



8S
Splicing



18S
Heating



0.01dB
Average loss



5200mAh
High capacity
Li-battery



Tool-less
electrodes
replacement



4 Motors
aligning



Description

- Fast-splicing 8S Fast-heating 18s
- 5000 Times electrode life
- Average loss under 0.01dB
- 5200mAh Battery capacity. Splicing & Heating 260 times
- 320X Fiber image magnification, the fiber core is clearly visible
- 3.5" TFT color LCD
- 10000 Groups of fusion records/ 2000 groups images
- Real time discharge processing, stable Fiber splicing
- FTTx Fiber optic fusion splicer. Easy to operate
- USB interface; Convenient for data download and software update



Feature



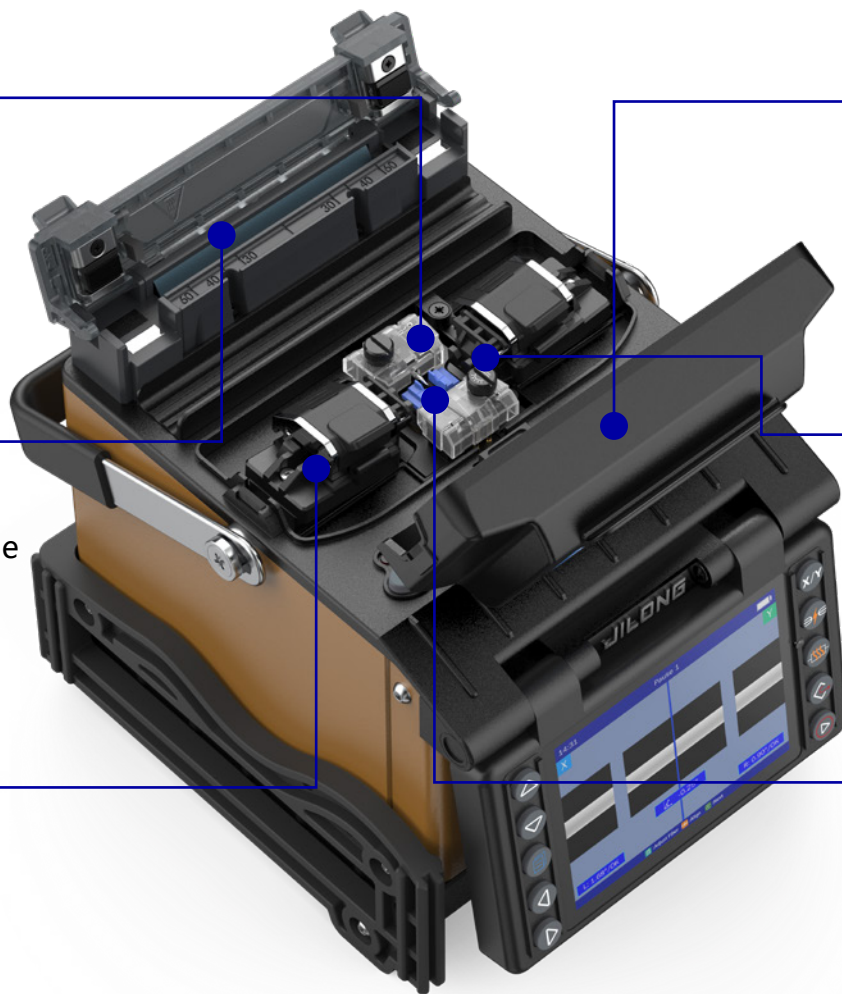
Fast-splicing 8S
fast-heating 18s



Oven with removable
SOC clamps



Special 3-in-1
fiber holder



Durable ceramic
fiber pressure heads



The electrodes can be
replaced by screwing
it gently without tools

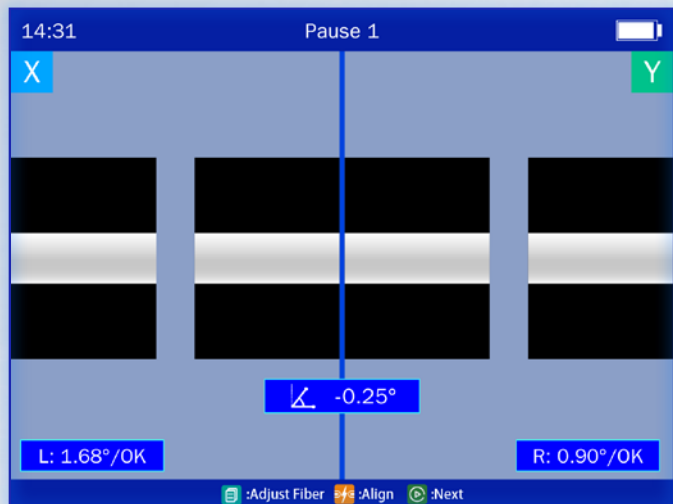


Special designed
V-groove

3-in-1 Universal Fiber Holder

Suitable for bare fiber; 3.0mm jump fiber; pigtail fiber; FTTH fiber

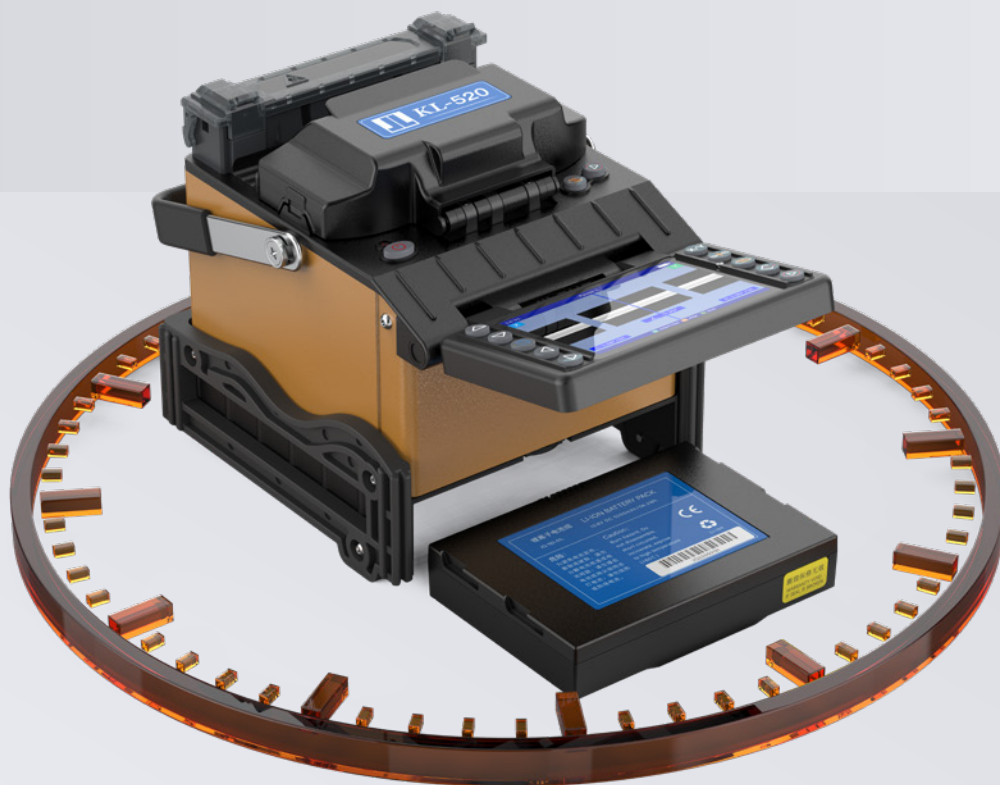




8S
Fast-splicing



18S
Fast-heating



FTTx fusion splicer
easy to operate



260 Times splice &
heat cycles



5200mAh
Battery capacity

Installation completion effect

Cooling tray

Multiple optical fibers can be placed simultaneously

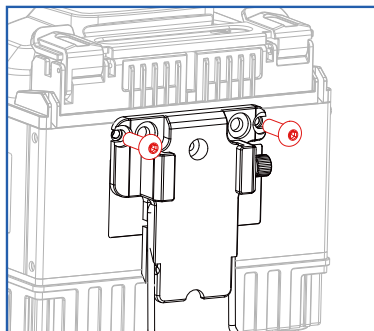


Rich expansibility fiber optic cleaver operating platform (Optional)

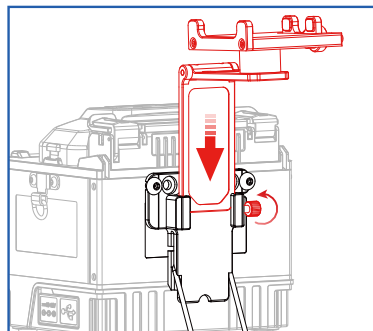
Support the placement of cleaver operating platform, do cleaving and splicing work in one step (Operation platform be ordered separately)

Invention patent application number 202210544729.X
Utility model patent number: ZL 2022 2 1202906. 8

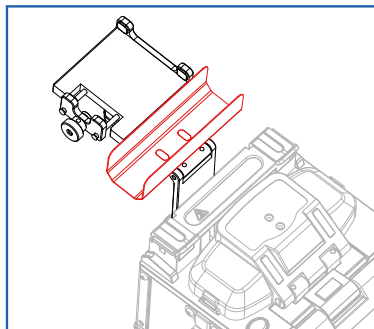
Installation instructions of fiber optic operating platform



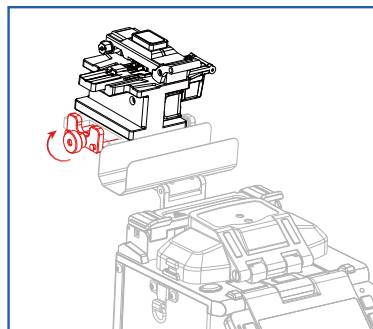
Step 1:
Install the fixing plate behind the fusion splicer with screws (M3/ M4/ M5).



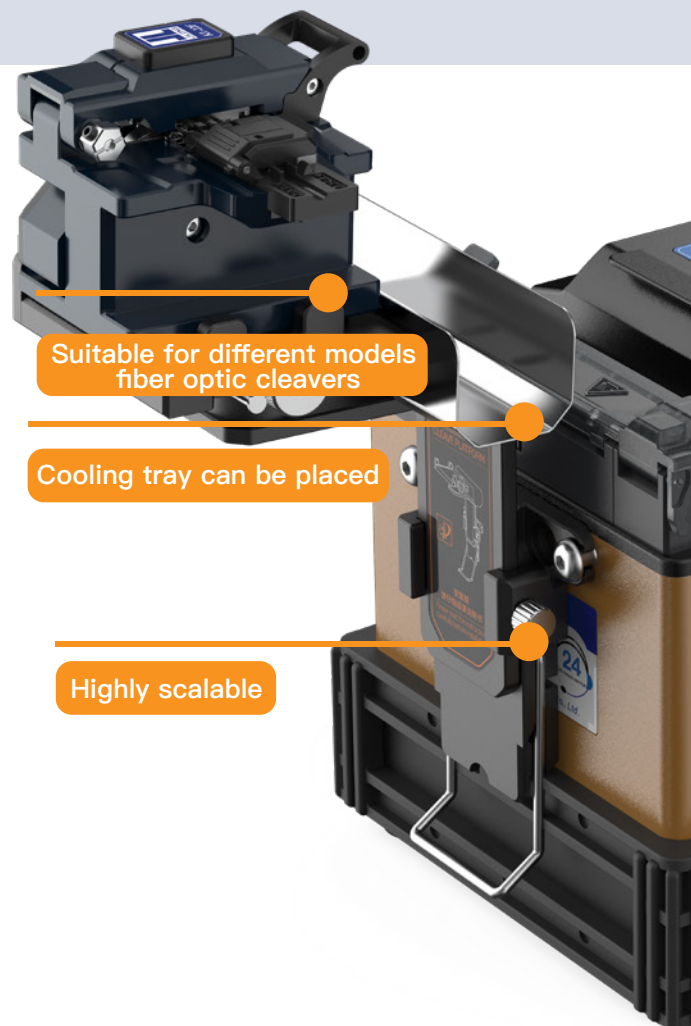
Step 2:
Insert the support plate into the fixing plate and tighten the fixing screws.



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.



*Operation platform be ordered separately



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 cable
Fiber Holder	Replaceable (Universal: FH-60, SOC Holder: FH-SOC(optional))
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, can be extended by using an electrode grinder ★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	AC100~240V~50/60Hz 2.0A, DC14.0V $\pm$ 4.0A
Terminal	USB2.0
Weight	1.59kg without battery / 1.92kg with battery
Size	155H x 138W x 145D mm (including rubber bumper)

★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 Size

Fusion Splicer	×1
Fiber Cleaver	×1
Battery Pack 5200mAh	×1
Power adapter	×1
Compact carrying case	×1
Cooling tray	×1
Fiber Stripper	×1
Splice Protection Sleeves (pcs)	×100
Alcohol Bottle	×1
Electrode box	×1
Spare electrodes (pair) + Scissors + Brush (set)	



NEW CONFIGURATION



OLD CONFIGURATION



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