500E COMPACT
FTTX FUSION SPLICER

■ Description

- Effcient, versatile, lightweight & portable
- Working platform design for aerial work
- Special 3-in-1fiber holde
- 3 Year warranty policy

- Electrode life around 5000 times(Replaceable)
- Automatic splicing & automatic heating
- Innovatively no need tools to replace electrodes
- Support 120 times of splicing + heating when fully charged

| Light weight & Compact | Suitable for working at height | No need tools to replace electrodes | Automatic welding heating |

Main features

Durable ceramic fiber pressure heads

Fast-splicing 8s
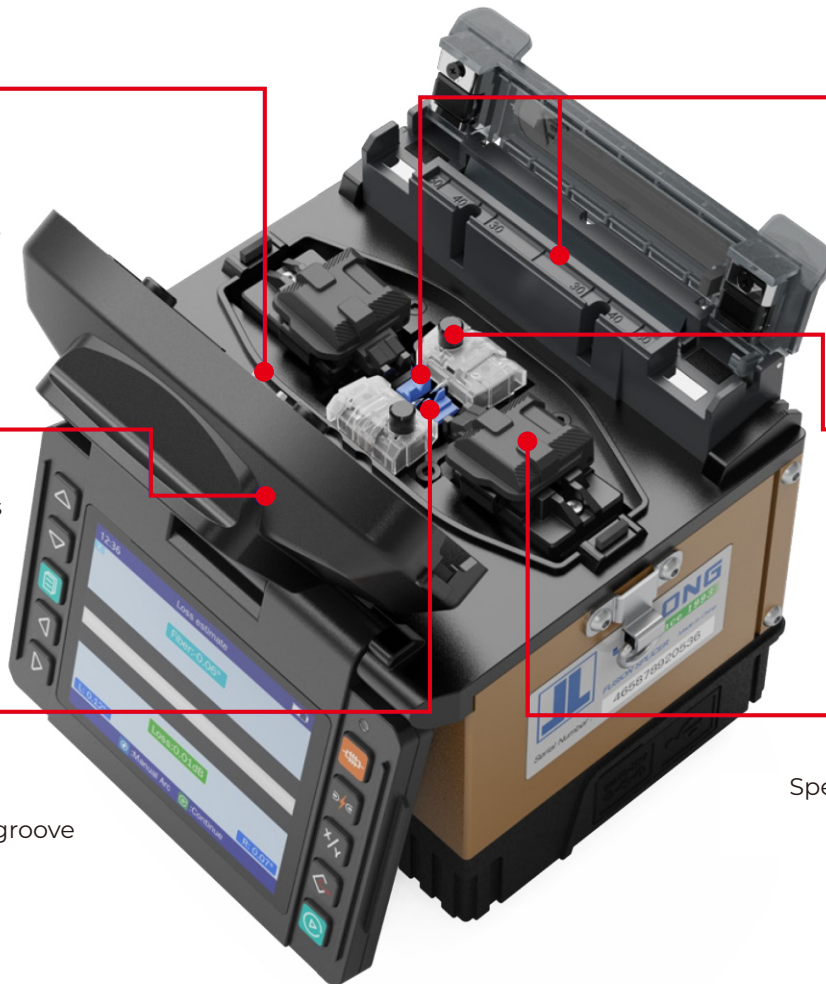Fast-heating 18s

Mirror design makes uniform light path

The electrodes can be replaced by screwing it gently without tools
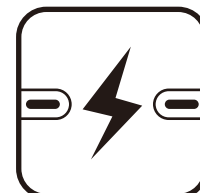
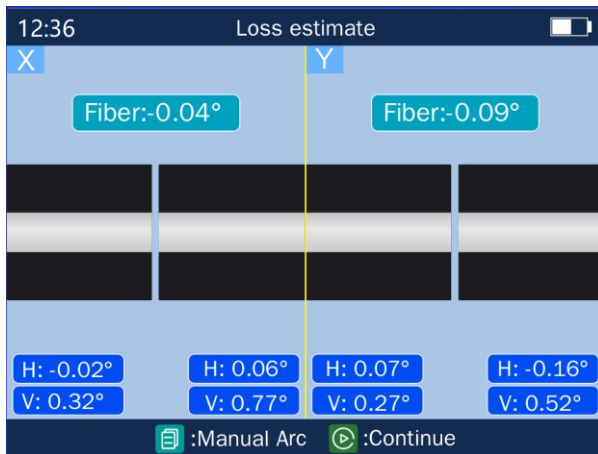Special designed V-groove

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

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Fast-splicing
8s

Fast-heating
18s

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 :	3400mAh Battery Capacity, Typical 120 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 :	1.06kg 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.

■ Product display

■ Packing list

① Carry bag (Including Suspenders & belts)

② Power charger

③ Cutter storage box

④ 500E compact

⑤ FOCW Cleaning wipes(box)

⑥ FPS–40 Splicing protector sleeves

⑦ Alcohol bottle

⑧ KL–22FFiber optic cleaver

⑨ FTS–01 Drop cable stripper

⑩ FIS–FT11301T 3–hole fiber stripper

⑪ Cooling Tray

FALCOM
TECHNOLOGY

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