



Optical Fiber Fusion Splicer

FS-21S



FOSTEC
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Ceramic V-block and ceramic presser foot

Convenient and accurate placement of optical fibers and makes cleanup easy.



Water-resistant, dust-resistant and shock-resistant in design

The all-in-one fixture meet fusion splicing demands of multiple fibers and jumpers



Intelligent heat shrinkage

The heating function will only be enabled when the thermal shrinkage tube is put in the heater, to avoid miss operation



Large-capacity pluggable lithium battery

It can be operated long time because it has large capacity



Graphical interfaces and touch screen

Operators can set up the splicer and get to know relevant information of it simply and directly by graphical interfaces.





Product Features

- Accurate core to alignment (6 Motors)
- Fusion Splicing Time : 6 seconds & Sleeve Heating Time : 16 seconds
- 250x magnification image, shortest fiber cut length (16mm) fusion splicing
- Up to 4000 fusion splicing records
- Bi-directional and Automatic Fusion splicing possible
- USB, SDCard interface, automatic software upgrade via USB
- With the use of Modular Lithium Battery: Fusion splicing and sleeve heating can be connected at least 250 times.



Technical Specifications

CATEGORY	DESCRIPTION
Applicable fiber	SM(ITU-T G.652), MM(ITU-T G.651), DS(ITU-T G.653), NZDS(ITU-T G.655), EDF A.Others(including G.657)
Fiber count	Single fiber
Diameter of cladding	80 ~ 150 μ m
Diameter of coating	160 ~ 3000 μ m
Fiber cleaved length	5 ~ 16mm (coating diameter < 250 μ m)
Typical splice loss	SM:0.02dB, MM:0.01dB, DS:0.04dB, NZDS:0.04dB
Return loss	>60db
Typical splicing time	6 seconds
Typical heating time	16 seconds for 60mm and 40mm shrinkable sleeves
Fiber magnification	250X (X/Y)
Display screen	2 CMOS cameras, 5.0 inch color LCD monitor, touch screen
Records storage	4000 groups data
Tension test	> 2.2N
Battery	Typical 250 cycles splicing and heating, charging time more 8 hours
Power supply	Adapter, input: AC 220 \pm 30V(50/60HZ), outputDC 12 \pm 2V
Electrodes life	More than 4000 ARC discharges, can be replaced conveniently
Terminal	USB 2.0
Operating conditions	Operating Temp: -10 $^{\circ}$ C~+50 $^{\circ}$ C, HMD: 0-95%, MWS: 15m/s, Altitude: 0-5000m
Dimension	156mm(L) * 141mm(W) * 156mm(G) (including rubber armor)
Weight	2.45kg (including battery)

Multi-functional carrying case

The multi-functional carrying case is new and light in design and can be used as a compact workstation by opening or closing the cover



When the monitor is open



side(left)



Back



side(right)

Standard configuration

No.	NAME	QTY/UNI/SET
1	Mainengine(FS-21S)	1
2	Optical fiber cutter	1
3	Spare electrodes	1set
4	Battery	1
5	Drop cable stripper	1
6	Cooling tray	1
7	adapter	1
8	Power cord	1
9	Carrying case	1
10	User Manual	1
11	USB	1
12	LED	1