

FST-18S

FTTH fusion splicer

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18S mainly suitable for FTTX construction, with industrial 4-motors driving, high quality and low loss; precise alignment, clad alignment; portable size, ruggedized housing, can used in harsh environment.



Equipment Parameters

Model	FST-18S
Dimension	130 W*160L*145H (excluding rubber bumper) / 140W*165L*145H (including rubber bumper)
Weight	2204KG (with battery) / 1824G (without battery)
Number of Fiber	Single
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 - 3.0mm/Indoor Cable
Cleaved Length	Diameter: 0.125 - 1 mm/Cleave Length: 8-16mm
Cladding Diameter	80 - 150 μ m
Splicing Mode	Pre-set 41 splicing modes, max 100 modes
Heating Mode	Pre-set 5 heating modes (20/30/40/50/60mm), max 100 modes
Typical Splice Loss	SM: 0.03dB / MM: 0.02dB/ DS: 0.05dB / NZDS: 0.05 dB/ G.657: 0.03dB (ITU-T Standard)
Return Loss	\geq 60dB
Lighting	3 White LEDs
Splicing Time	Quick mode: 6s
Estimated Splice Loss	Available
Heating Sleeve Length	20 - 60 mm
Heating Time	Quick heating time: 13s, typical heating time: 30s
Results Storage	20000 latest records & 200 images
Tension Test	1.96 - 2.25N
Operating Condition	Operating Altitude: 0 - 5000m above sea level, 0 - 95% relative humidity, - 10 ~ 50 $^{\circ}$ C, Max Wind 15m/s
Storage Condition	0 ~ 95% relative humidity, -40 ~ 80 $^{\circ}$ C
Display	90 $^{\circ}$ bi-directional view, 5.0" Color High Resolution Display
Fiber View & Magnification	X, Y, XY, X/Y: 400X Magnification
Power Supply	AC Input 100 - 240V, DC Input 12 - 15V
No. of Splice/Heating with Battery	5200mAh Battery Capacity, Typical 250 times (Splice + Heat)
Operating Methods	Button/Touch Screen
Automatic Calibration	Automatic arc calibration by air pressure and temperature
Electrode Life	5000 arcs
Terminal	Mini USB 2.0

Advantage



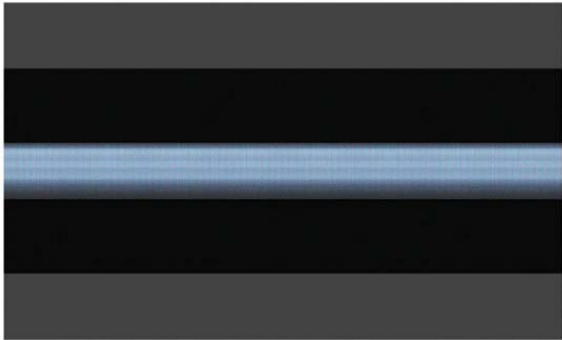
The shielding cover is wind-proof, freeze-proof, quake-proof, water-proof, provide the protection for fiber; clear plastic button, for convenient operation, with handle] and strap.



Mini-USB2.0 port; high capacity 5200mAh battery, with strong endurance, splicing and heating for 280 times, each splicing+heating less than 18mAh.



Screen adjustable angle over 180°, with 5" 800*480 high resolution touchscreen, double-click more than 500 times, operator can see the zoom function by double click the screen, and observe the splicing trace in order to decide the situation of splicing.



3 high-power LED light, full of light; V-groove, precise fiber alignment. 90° dual-camera, omnidirectional record for splicing.

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Configuration List



fiber fusion splicer host machine (1 set)



fiber cleaver (1 set)



large capacity battery (1 piece)



power adapter (1 set)



electrode (1 pair)



carrying case (1 set)



tray of fiber cleaver (1 set)



carrying case straps (1 set)



cleaning blower (1 set)



alcohol bottle (1 set)



fiber tray (1 set)



brush(1 set)
phillips screwdriver(1 set)



operating instruction (1 copy)



splicing test report (1 copy)



dual port fiber stripper
【 optional 】



drop cable stripper
【 optional 】