



Setting the Standards

Fusion Splicer



Description

Oxin Fusion Splicer OFS-55S is a mini type fusion splicing machine and have our own intellectual property right of fiber adjustment technology. It adopts advanced PAS Fiber adjustment technology. Adopt four motors drive, have fiber adjustment function, it is not only used for FTTX project, but also can be used for the trunk line, it is a machine which is the smallest volume, the lightest weight, the most fast splicing speed.

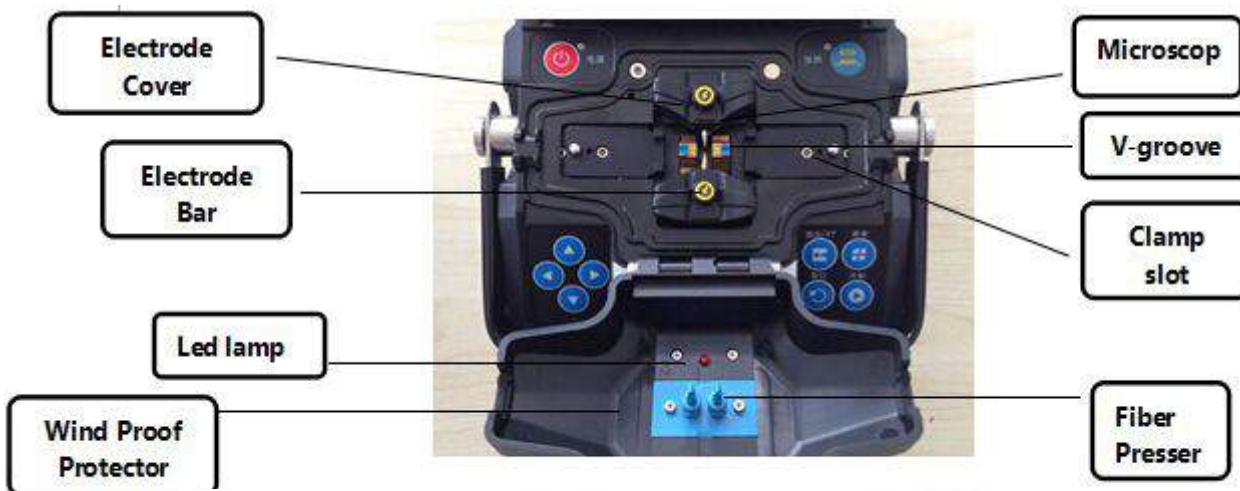
Features and Benefits

1. Based on the principle of PAS (Lateral Projection System), adopt advanced image detection algorithm
2. Double core align structure, higher success rate of fusion and lower loss
3. Adopt 4.3 inches 16:9 TFT colorized LCD screen
4. Fast: 9s fast splicing , 27s fast heating
5. Splice Loss Evaluation
6. Typical heating time: 35sec (FP-03 60mm)
7. Interchangeable fiber holders for 0.9 ,0.25 mm fibers
8. Reliability design, strengthen, shockproof, dustproof, waterproof with rubber protection function
9. Low power consumption design
10. Device components, spare parts and materials used meet corrosion requirements, fluid contamination from erosion
11. Multi-functional, small-sized, portable, can greatly improve working efficiency
12. Detect the air pressure, temperature and humidity and other environmental factors and calibrate arc automatically

Applications

- Fiber optic network installation
 - Fiber connector installation
 - Optoelectronic device manufacturing
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Fusion Splicer



Fusion Splicer Standard Package



1. Oxin Fusion Splicer OFS - 55S
2. Power Adapter
3. AC Power Line
4. Dust- Blowing Ball With brush
5. Stripper
6. Fiber Cleaver
7. Heat Oven
8. Backup Electrode Bar

9. Optical Fiber Clamp
10. Cooling Tray
11. Alcohol Bottle
12. Miller Pincers
13. Rubber Head Tweezers
14. Instruction Manual
15. Cleaver Bag
16. Carrying Bag

Fusion Splicer

Ordering Information	Description	Part Number
	Fusion Splicer	OFS-55S
Packaging	Description	
	Cardboard box, 1 unit per box	
Technical Characteristics	Parameter	Value
	Applicable fiber type	SM, MM, DS, NZDS
	Applicable fiber count	Single
	Applicable fiber diameter	Cladding diameter of 125µm Coating diameter 250 ~ 900µm
	Cleaved length	Coating diameter < 0.25mm : 8-16mm Coating diameter > 0.25mm : 16mm minimum
	Average splice loss	0.02dB (SM), 0.01dB (MM) 0.04dB (DS), 0.04dB (NZDS)
	Splicing time	9 sec (typical time)
	Heating time	27s (typical time)
	Protection sleeve	40mm, 60mm
	Splice storage	5,000
	Optical magnification	X / Y: 115 times, X, or Y: 230 times
	Splice/Heat program	Stored 40 groups, 80 groups of user-defined
	Return loss	≥ 60dB
	Electrode lifespan	2,500 arcs
	Tensile test	2N
	Data interface	USB 2.0
	Power supply	11.1V lithium battery, 13.5V/5A power adapter
Battery	Typical operating 220 (splice / heat shrink) on a single charge 3h, can be reused 500 times	
Physical Characteristics	Parameter	Value
	Dimensions	160 mm x 145 mm x 130 mm
	Weight	1.6 Kg (without battery) 1.9 Kg (with battery)
Mechanical Characteristics	Parameter	Value
	Operating temperature	-22 ~ 55°C
	Storage temperature	-40 ~ 80°C (except battery), -10 ~ 80°C (battery)
	Relative humidity	≤ 95%
	Altitude	0 ~ 4000m
Wind Protection	≤ 15m/s	



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