

# DATASHEET

## Fiber Fusion Splicer

Easily and efficiently Splice Fiber&Cable and Fusion-On Connector

High Precision FTTH Fiber Fusion Splicer-OMCFS-X500



RoHS



OMC INDUSTRY CO.LIMITED



## High Precision FTTH Fiber Fusion Splicer-OMCFS-X500

### Product Introduction

**OMCFS-X500 High Precision FTTH Fiber Fusion Splicer**, with high performance price ratio, is the main product of OMC Company. With SAMLL& smart appearance, reliable quality, OMCFS-X500 is a special design for the installation, operation and maintenance of optical fiber specially design a precision, durable, convenient optical fiber construction instrument. Widely used in the construction, inspection, maintenance of FTTX project.



### Features

- \*Small size and light weight
- \*7s splicing and 26s heating
- \*4 motors accurate alignment technology
- \*Automatic & real-time ARC calibration
- \*250 cycles splicing & heating once charged
- \*Inductive heater, not heating without fiber
- \*Apply to bare fiber, pigtail, drop cable etc.
- \*Specially design for FTTH/FTTx projects

### Specifications

Applicable fiber	SM(G.652), MM(G.651), DS(G.653), NZDS(G.655), others(including G.657)
Fiber count	Single
Applicable fiber dimensions	Cladding diameter: 80 -150μm, Coating diameter: 160 – 900μm
Typical splice loss	0.02dB(SM), 0.01dB(MM), 0.04dB(DS), 0.04dB(NZDS)
Available language	English, Russian, Spanish, Portuguese, Italian, French, German
Fiber cleaved length	10-16mm (coating diameter< 250μm ), 16mm(coating diameter: 250-1000μm )
Splicing program	40 groups
Operate mode	Manual, Automatic
Auto-heating	Available
Typical splicing time	7 seconds
Typical heating time	26 seconds
Fiber view magnification	250X(X or Y view), 125X(X and Y view)
Viewing method and display	2 CMOS cameras, 4.3 inch color LCD monitor
Storage of splice result	4000 results
Loss evaluation	Available
Tension test	1.8-2.2N
Interface	GUI menu interface, easier operation
Battery capacity	5200mAh, typical 250 cycles(splice and tube heat), pluggable inner Li-battery
Power supply	Adaptor, input: AC100-240V(50/60HZ), output: DC13.5V
Electrode life	More than 4000 ARC discharges, can be replaced conveniently
Terminals	USB 2.0 port, for uploading splice results and upgrading software
Operating condition	Altitude: 0-5000m, Humidity: 0-95%, Temperature: -10°C ~ +50°C; Wind speed: max 15m/s
Dimension	149mm(L)x120mm(W)x127mm(H)
Weight	1.90kg including battery



## High Precision FTTH Fiber Fusion Splicer-OMCFS-X500

### Product Details



Inductive automatic heater  
Not heating without fiber



Precise V groove design  
Stable splicing performance



Long working time Li-battery  
Pluggable and safe



Splicing in dusty enviroment



Splicing in rainy environment



Splicing after dropping from 76cm

### Standard Accessories



Carrying Box



Fiber Stripper



Cooling Tray



Spare Electrodes



Fiber Cleaver



Adapter



Strap



Drop Cable Stripper



Power Cord



Operation Manual

### Optional Accessories



Spare Battery



Alcohol Bottle



USB LED Light



Car Charger



USB Flash Drive



Spare Blade

### Guarantee

- 1) Lifelong technical support. Any problem during using, we will offer guidance to solve the problem.
- 2) Quick feedback. Usually customers can get our reply within 1 hour, latest will be not over 10 hours.
- 3) 24 months warranty period. Within warranty period, all repair and replacement of Non-human damage are for free.
- 4) Reasonable cost for repair & replacement. According to our experience, most problems could be solved by machine menu operation via our remote guidance, do not need repairing or replacement.