

# Digital Fusion Splicer FSM-350

[www.ExFiber.com](http://www.ExFiber.com)

## Description

Fiber optic fusion splicer FSM-350 is a digital, economic and competitive fusion splicer machine for fiber optic network engineering. The FSM-350 fusion splicer is compact, simple and with slim body, having multiple foreign languages menu, handheld power in the machine, convenient and easy for indoor and field operation.

## Features

- U New fully-digital design fusion splicer
- U 5.7 inch digital high definition LCD display
- U PAS technology (Profile Alignment System)
- U Core to core alignment / Cladding alignment / Manual
- U 8 Sec. splice time, 25 Sec. Tube-heat time
- U Close shield splice automatically; Close heater, heat automatically
- U X/Y axes synchronous display, magnification up to 304 times
- U Real time calibrating system for discharging, parameter preseted
- U Long electrode lifetime, up to 4000 times
- U Built-in high capacity battery, up to 220 times splicing or heating
- U Precisely real-time display for battery level.
- U USB and VGA interface
- U Software upgrade via USB interface
- U Small volume, light weight, only 2.8kg including battery



## Specifications

Item	Specification
Model	FSM-350
Applicable fibers	SMF(ITU-T G.652) MMF(ITU-T G.651) DSF(ITU-T G.653) NZDSF(ITU-T G.655)
Fiber cleaved length	8~16mm (Coating diameter: 250μm) 16mm (Coating diameter: 250~1000μm)
Fiber diameter	Cladding diameter: 80 ~150μm Coating diameter: 100~ 1000μm
Fiber count	Single
Align mode	Core to core alignment / Cladding alignment / Manual
Image processing method	Digital
Actual average splicing loss	0.02dB (SM), 0.01dB (MM), 0.04dB (DS), 0.04dB (NZDS)
Return loss	60dB
Operation mode	Auto / Half auto / Manual

For detailed inquiry please contact our sales team at [sales@exfiber.com](mailto:sales@exfiber.com)

Exfiber Optical Technologies Limited  
Tel: +86-571-56878053 E-mail: [exfiber@exfiber.com](mailto:exfiber@exfiber.com)

# Digital Fusion Splicer FSM-350

www.ExFiber.com

Splicing time	Typical 8 sec, with standard SM fiber
Magnification	304X(X or Y view),152X(X and Y view)
Image display	5.7' 640×480 LCD.
Tube heating time	Typical 25 sec.
Applicable protection sleeve	40mm, 60mm and a series of micro protection sleeves
Tension test	Standard 2N (optional).
Electrode lifetime	>4000 times, replaceable
Battery capacity	Typically 220 splice times Charging for 3.5 hours (available when charging).
Battery lifetime	Cycle life up to 300 ~ 500 times, replaceable.
Display screen	5.7 inch digital high definition LCD display
Lighting for construction	Built-in super high-brightness LED supply convenience for night work
Termination interface	USB, VGA
Power supply	Built-in 11.1V Li-ion Battery AC adapter (input AC100~240V, output DC13.5V/4.5A)
Environment adaptation	Temperature range: -10 ~ 50 Humidity: 95%RH (40 , no condensing) Altitude: 0~5000m
Dimension	160(L)×150(W)×140(H)mm
Weight	2.3kg (no battery ), 2.8kg (including battery)

## Applications

u SM(ITU-T G.652), MM(ITU-T G.651), DS(ITU G.653),NZDS(ITU-T G.655)

## Packing List

No.	Item	Unit	QTY	Remark
1	FSM-350 Fusion Splicer	pcs	1	Main body
2	Inner battery	pcs	1	Accessories
3	AC adapter	pcs	1	Accessories
4	AC power cord	pcs	1	Accessories
5	Spare electrode	set	1	Accessories
6	Blower brush	pcs	1	Accessories
7	Bottle with siphon	pcs	1	Accessories
8	Fiber bracket	pcs	1	Accessories
9	User manual	pcs	1	Accessories
10	Luxury tote kit	pcs	1	Accessories
11	Carrying case	pcs	2	Accessories
12	Fiber Cleaver	pcs	1	Optional

For detailed inquiry please contact our sales team at [sales@exfiber.com](mailto:sales@exfiber.com)

Exfiber Optical Technologies Limited  
Tel: +86-571-56878053 E-mail: [exfiber@exfiber.com](mailto:exfiber@exfiber.com)