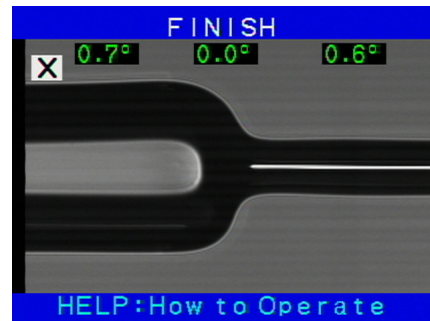
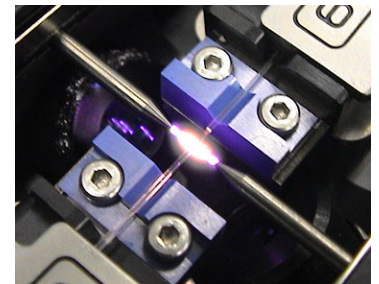


Optical Fiber Arc Fusion Splicer for Large Diameter Fiber
FSM-45F-LDF400-125 μ m splicingHigh Power Arc Discharge
(Fibers are 400 μ m glass)

The FSM-45F-LDF is designed for splicing of large diameter fibers.

The FSM-45F-LDF is equipped with high power arc discharge unit and wide view CCD camera to perform large diameter fiber splicing. The FSM-45F-LDF is modified based on FSM-45F. All the functions of FSM-45F are also available. In order to perform high power arc discharge, two pieces of AC adapters are required, thus they are supplied as standard set.

Features:

1. Specialized for LDF splicing up to 500 μ m cladding diameter.
2. High power arc discharge and wide view CCD camera.
3. Core-to-core fiber alignment system with PAS technology.
4. V-groove Driving System for various type of fiber diameter.
5. Short cleaved length splicing capability.
6. Splice loss estimation function.
7. Sweep arc function for various kinds of dissimilar fiber splicing.
8. Power monitor feedback alignment capability with GP-IB interface.
9. USB terminal and serial port for PC communication.

SPECIFICATIONS (Tentative)	
Applicable fibers	Large diameter fiber, SM, MM, NZDS, DS
Fiber count	Single
Cladding diameter	80 μ m to 500 μ m
Coating diameter	100 μ m to 1,000 μ m
Fiber cleaved length	8mm to 10mm (standard) 3mm to 5mm (short cleaved length)
Actual average splice loss	0.03dB with SM, 0.02dB with MM, 0.05dB with DS (with bare fiber clamping)
Splice time	35sec. with 400 μ m LDF, 20sec. with SM, 20sec. with MM, 35sec. with DS
Return loss	>>60dB
Splicing modes	40 user programmable modes and 120 database area (factory predetermined setting)
Splice loss estimate	Available
Attenuation splice function	0.1dB to 25dB
Storage of splice result	The last 1,200 splices to be stored in the internal memory
Fiber display	X/Y, or X and Y simultaneously
Magnification	135x for single X or Y view, or 67x for X and Y view
Viewing method	Two CCD cameras and 5 inch TFT color LCD monitor
Operating condition	0 to 3,500m above sea level 0 to 95%RH and 0 to 40 degree C respectively
Mechanical proof test	2.45N
Tube heater	Built-in tube heater with 10 heating modes and 20 database area
Tube heat time	Typical 100sec with FP-03 protection sleeve Typical 70sec with series of micro sleeves
Applicable protection sleeve length	60mm, 40mm, and a series of micro sleeves
Power supply	Auto voltage selection from 100 to 240V a.c. with two ADC-10s
	USB 1.1 (type B) and RS232C for PC communication GP-IB port for power monitor feedback alignment Video terminal RCA video jack / NTSC
Wind protection	Max. wind velocity of 5m/s.
Dimensions	311W x 218D x 234H (mm) in operation
Weight	5.5kg without AC adapter

STANDARD PACKAGE (Tentative)		OPTIONAL ITEMS (Tentative)		
Arc fusion splicer	FSM-45F	Fiber holder	FH-40-xxx	FH-40-100,125,150,180,210 250,300,350,400,500 600,700,800,900
Fiber holder	FH-40-250			
Fiber clamp	CLAMP-45-80/400			
	CLAMP-45-125		FH-40-LT900	for loose tube fiber
	CLAMP-45-250	Fiber clamp	CLAMP-45-xxx	CLAMP-45-600,900
AC adapter (2 pcs.)	ADC-10	Fiber cleaver	CT-32	for 125 μ m cladding fiber
AC power cord (2pcs.)	ACC-08~12		CT-38	for 80 μ m cladding fiber
Carrying case with Z unit fixture	CC-05-45F ZFIX-01	Cleaver spacer	SPA-40-CT-040	for 9mm cleave length
Spare electrode	ELCT2-25		SPA-40-CT-050	for 10mm cleave length
Hexagonal wrench	HEX-01	Thermal jacket stripper	HJS-02	for 125 μ m cladding fiber
Top plate rubber cap	CAP-01		HJS-02-80	for 80 μ m cladding fiber
Transfer holder	-	Jacket stripper	JS-02-900	for 900 μ m jacketing
Instruction manual	-	Stripper spacer	SPA-40-HJS030	for short cleave length
		External controller	CO-01	

Specifications and descriptions are subject to change without prior notice.