



Fujikura

Core Alignment Fusion Splicer 68S+



Designed to keep you going

True Core Alignment

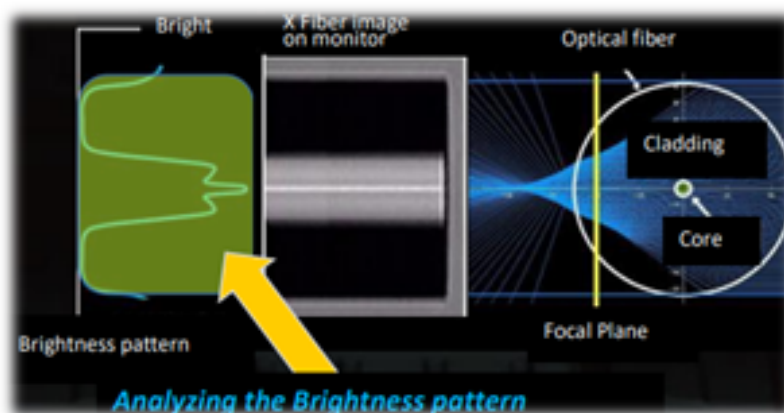
1. Core Alignment Technology

The 68S+ fusion splicer has high precision lenses which provide accurate core to core alignment regardless of core-cladding concentricity error. Also, the lenses allow the splicer to discriminate between fiber types.



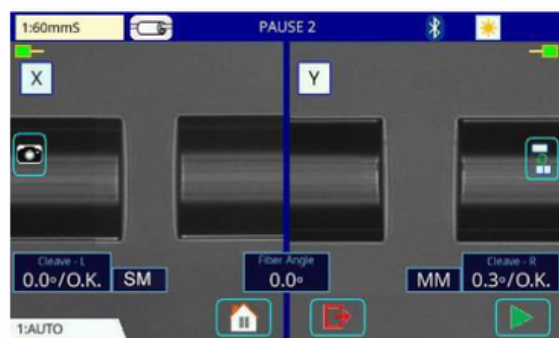
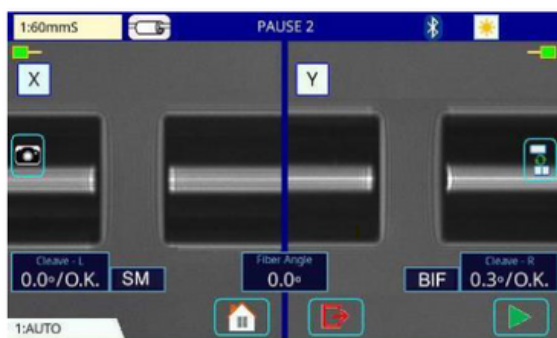
2. Advanced Image Processing Technology

The 68S+ possesses advanced image processing technology which analyzes the profile of the fiber image as a brightness pattern. The 68S+ finds the true core position and achieves the consistent lower splice loss



3. Fiber Discrimination Function

The 68S+ fusion splicer automatically identifies the optimum arc discharge parameters in accordance with the fiber type.



Specifications

The 68S+ core alignment mechanism achieves low splicer loss, e.g. average 0.02dB for ITU-T G.652 fibers. The average splicing time is 7 to 9 sec in case of SM-FAST mode.

Item		Specification
Fiber alignment method		Active core alignment
Fiber count can be spliced		Single fiber
Applicable fiber	Fiber type	Single mode optical fiber Multi mode optical fiber
	Cladding dia.	80 to 150µm
Applicable coating	Sheath clamp	Coating dia.: Max. 3,000µm Cleave length : 5 to 16mm *1
	Fiber holder	Coating dia. : Refer to options Cleave length : Approx. 10mm
Fiber splice performance	Splice loss *2	ITU-T G.652 : Avg. 0.02dB
		ITU-T G.651 : Avg. 0.01dB
		ITU-T G.653 : Avg. 0.04dB
		ITU-T G.654 : Avg. 0.04dB
		ITU-T G.655 : Avg. 0.04dB
		ITU-T G.657 : Avg. 0.02dB
Splice time *3	SM FAST mode : Avg. 7 to 9sec.	
	SM AUTO mode : Avg. 11 to 13sec.	
	AUTO mode : Avg. 14 to 16sec.	
Applicable protection sleeve	Sleeve type	Heat shrinkable sleeve
	Sleeve length	Max. 66mm
	Sleeve dia.	Max. 6.0mm before shrinking
Sleeve heat performance	Heat time *4	60mm mode : Avg. 25 to 27sec.
Fiber tensile test force		Approx. 2.0N
Electrode life *5		Approx. 5,000 splices

Notes: *1 Cleave length range depending on fiber type
 5 to 16mm : 125µm cladding dia. and 250µm coating dia.
 10 to 16mm : 125µm cladding dia. and 400 or 900µm coating dia.
 5 to 10mm : 80µm cladding dia. and 160µm coating dia.
 5 to 16mm : 150µm cladding dia. and 250µm coating dia.

*2 Measured with a cut-back method relevant to ITU-T and IEC standard after splicing Fujikura identical fibers. The average splice loss changes depending on the environmental condition and fiber characteristics.

*3 Measured at room temperature. The definition of splice time is from the fiber image appeared in LCD monitor to the estimated loss displayed. The average splice time changes depending on the environmental conditions, fiber type and fiber characteristics.

*4 Measured at room temperature with the AC adapter. The heat time is defined from the start beep sound to the finish beep sound. The average heat time changes depending on the environmental conditions, sleeve type and battery pack condition.

*5 The electrode life changes depending on the environmental conditions, fiber type and splice modes.

The 68S+ design, compact size and light weight, enables to carry it and use in various environment conditions.

Item		Specification	
AC adaptor	Input	AC100 to 240V, 50/60Hz, Max. 1.5A	
	Output	Approx. DC 12V, Max. 7A	
DC adaptor	Input	DC10 to 15V, Max. 7A	
Battery pack	Type	Rechargeable Lithium Ion	
	Output	Approx. DC14.4V, 6,380mAh	
	Capacity *6	Approx. 300 splice and heat cycles	
	Temperature	Operate	: -10 to 50 degreeC
		Recharge	: 0 to 40 degreeC
		Storage	: -20 to 30 degreeC
Recharge		5 to 8 hours from empty	
Battery life *7		Approx. 500 recharge cycles	

Specifications

Item	Specification	
Display	LCD monitor	TFT 4.9 inches with touch screen
	Magnification	200 to 320x
Illumination	V-grooves	LED lamp
Interface	PC	USB2.0 Mini B type
	External LED lamp	USB2.0 A type Approx. DC5V, 500mA
	Ribbon Stripper	Mini DIN 6pin DC12V, Max. 1A
Data Storage	Splice mode	100 splice modes
	Heat mode	30 heat modes
	Splice result	20,000 splices
	Splice image	100 images
Screw hole for tripod	1/4-20UNC	
Other features	Automatic functions	Splice mode select by fiber type analysis
		Fusion control
		Wind protector : open and close
		Sheath clamp : open
		Splice start
		Heater start
	Special splice	Attenuation splice
	Reference guide	Video and PDF file stored in splicer
	Sheath clamp	Easy sleeve positioning clamp
	Electrode	Replaceable without tool
	Software for PC	Splicer firmware update via internet
		Parameter upload and download
Operating splicer with PC		
Splice image download to PC		

68S+ Standard Package

The 68S+ kit standard package includes below items. You can select AC power cord type according to your region.



Core Alignment Fusion Splicer 68S+ kit

Item	Model	Qty
Core Alignment Fusion Splicer	68S+	1 pc
Battery Pack *12	BTR-15	1 pc
AC Adapter	ADC-20	1 pc
AC Power Cord	ACC-14 (US type)	1 pc
	-15 (EU type)	
	-16 (UK type)	
	-17 (AU type)	
	-18 (Brazil type)	
USB Cable	USB-01	1 pc
Fusion Splicer Strap	ST-02	1 pc
Electrodes, for spare	ELCT2-16B	1 pair
Fiber Holder Set Plate	SP-03	1 pair
Carrying Case	CC-38	1 pc
Alcohol Dispenser	AP-02	1 pc
Quick Reference Guide	QRG-05-E	1 pc
PC and Clamp Setting Guide	SG-06-E	1 pc
Warning and Cautions	WAC-02-E	1 pc
Splice Test Report	Only English	1 pc
Single Fiber Stripper	SS03 or SS01	1 pc
Optical Fiber Cleaver	CT08	1 pc
Fiber Scrap Collector	FDB-04	1 pc
Fiber Setting Plate	AD-50	1 pc
Case, for cleaver	CC-34	1 pc
Hexagonal Wrench	HEX-01	1 pc
Instruction Manual	M-CT08-E	1 pc

Notes: *12 Please follow IATA regulation when shipping the battery by air.



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