

Core Alignment Fusion Splicer 88S+

Designed to keep you going



Fujikura 88S+ the Advanced Core Alignment Fusion Splicer is designed to keep you going. The 4.9 inch touch screen display makes it more user friendly. The new design streamlines the steps required to complete splices, resulting in greater productivity. "Configurable automation" features allow you to customize the operation of the machine to best suit your particular splicing technique and process. Also, the 88S+ equips "wireless communication function" which allows automatic cleaver blade rotation for CT50 when the splicer judges the blade is worn.

Key Features

- Active core alignment
- Typical splice time: 7sec. / tube heating: 9 sec.
- 20,000 splice result storage with 100 image capturing.
- Electrode life: 5000 splices.
- The battery pack capacity provides 300 splice and heat cycles per one charge.
- 4.9 inches size LCD monitor with touch screen.
- Dimensions of measurement: 170W x 173D x 150H mm
- Advanced Image processing technology.
- Fiber discrimination function.
- Active blade management technology.
- Bluetooth connecting features.

88S+ Standard package

Item	Model	Qty
Core Alignment Fusion Splicer	88S+	1 pc
Battery Pack ^{*2}	BTR-15	1 pc
AC Adapter	ADC-20	1 pc
AC Power Cord	ACC-15	1 pc
USB Cable	USB-01	1 pc
Fusion splicer strap	ST-02	1 pc
Electrodes (spare)	ELCT2-16B	1 pair
Fiber holder set plate	SP-03	1 pair
Carrying case	CC-39	1 pc
Work tray left	WT-09L	1 pc
Work tray right	WT-09R	1 pc
Work tray J-plate	JP-09	1 pc
Tripod screw	TS-03	2 pcs
Alcohol dispenser	AP-02	1 pc
Quick reference guide	QRG-02-E	1 pc
Wireless PC and clamp setting guide	SG-03-E	1 pc
Warning and caution	WAC-01-E	1 pc
Splice test report	Only english	1 pc
Single fiber stripper	SS03	1 pc
Optical fiber cleaver	CT-50	1 pc
Fiber scrap collector	FDB-05	1 pc
Fiber setting plate	AD-10-M24	1 pc
Instruction manual	M-CT50-E	1 pc
Carrying case strap	ST-03	1 pc

88S+ Options

Item	Model	Remark
Fiber holder	FH-70-200	200µm coating diameter
	FH-70-250	250µm coating diameter
	FH-70-900	900µm coating diameter
	FH-70-160	160µm coating diameter
	FH-70-500	500µm coating diameter
	FH-60-DC250	250µm in drop wire cable
	FH-FC-20	900µm in 2mm diameter cable
	FH-FC-30	900µm in 3mm diameter cable
	FH-60-LT900	900µm loose buffer cable
DC Adapter	DCA-03	Connect AC adapter not through battery
DC power cord	DCC-20	Car cigar socket to BTR-15/DCA-03
	DCC-21	Car battery to BTR-15/DCA-03
Transfer Clamp	CLAMP-DC-12	Transferring drop cable on work tray
J-plate	JP-10	Attaching to splicer, not to work tray
	JP-10-FC	JP-10 with fiber clamps
Case (for cleaver)	CC-37	
Hexagonal wrench	Hexagonal wrench	

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

Specifications

Item		Specification	
Fiber alignment method		Active core alignment	
Fiber count can be spliced		Single fiber	
Applicable fiber	Fiber type	SMF(G.652/657), MMF(G.651), DSF(G.653),NZDSF(G.655)	
	Cladding dia.	80 to 150µm	
Applicable coating	Sheath clamp	Coating dia.: Max. 3,000µm	
		Cleave length : 5 to 16mm	
	Fiber holder	Coating dia. : Refer to options	
		Cleave length : Approx. 10mm	
Fiber splice performance	Splice loss	ITU-T G.652 : Avg. 0.02dB	ITU-T G.654 : Avg. 0.04dB
		ITU-T G.651 : Avg. 0.01dB	ITU-T G.655 : Avg. 0.04dB
		ITU-T G.653 : Avg. 0.04dB	ITU-T G.657 : Avg. 0.02dB
	Splice time	Typical 7sec.	
Applicable protection sleeve	Sleeve type	Heat shrinkable sleeve	
	Sleeve length	Max. 66mm	
	Sleeve dia.	Max. 6.0mm before shrinking	
Sleeve heat performance	Heat time	Typical 9 sec.	
Fiber tensile test force		Approx. 2.0N	
Electrode life		Approx.5,000 splices	
Physical description	Dimensions(mm)	170W x 173D x 150H without projection	
	Weight	Approx. 2.8kg including battery	
Environmental condition	Temperature	Operate : -10 to 50°C, Storage :-40 to 80°C	
	Humidity	Operate : 0 to 95%RH non-condensing, Storage : 0 to 95%RH non-condensing	
	Altitude	Max. 5,000m	
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	Approx. 300 splice and heat cycles	
	Temperature	Operate : -10 to 50C, Recharge : 0 to 40C, Storage : -20 to 30C°	
	Recharge	5 to 8 hours from empty	
	Battery life	Approx. 500 recharge cycles	

Specifications

	Battery life	Approx. 500 recharge cycles
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
	Wireless**	Bluetooth 4.1 LE
Data storage	Splice mode Heat mode	100 splice modes 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, Splice start
		Wind protector : open and close, Sheath clamp : open
		Heater lid : open/close, Heater clamp : open/close, 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, Splicer firmware update via internet
Software for PC		Parameter upload and download, Operating splicer with PC
		Splice image download to PC

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