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Fujikura 90S Fusion Splicer





🚯 Bluetooth°

In Work Tray

90S+



Wind Protector Open

Fujikura 90S+ Fusion Splicer

The Fujikura 90S+ core alignment fusion splicer solves common problems seen in the field from splicing poor quality legacy fiber to automated equipment maintenance and upkeep. The Fujikura 90S+ can be use in multiple field splicing applications including bend-insensitive fibers in drop cables, long-haul terrestrial and submarine LEAF[®] fibers, loose buffer fiber, splice-on connectors, and the list goes on. The speed and accuracy of the 90S+ make it suitable for certain production and specialty environments where high output, tight packaging, and low loss requirements are required.

Regardless of your scenario, the Fujikura 90S+ is designed to keep you in the field with an extended battery life of 300 splice and heat cycles. With its multiple automated and easy-touse features, the 90S+ alleviates the need for traditional operation tasks such as frequent arc calibrations, cleaver blade rotations, cleaver usage tracking, and manual splicing operations. A redesigned work tray, cooling tray, and optional cable clamp make the 90S+ kit more versatile than its predecessors in adapting to varying work conditions and environments.

When splicing loose buffer fiber, additional sheath clamps are not needed. The standard universal sheath clamp now handles both loose and tight buffer fibers. The new Active Fusion Control (AFC) technology improves splice losses for fibers that possess a poor cleave angle. Combined with Active Blade Management between the splicer and cleaver, the Fujikura 90S+ contains a robust set of splicing features that will reduce the likelihood of poor splice installations or repairs.

Features

- Cleaver tracking and upkeep with wireless communication
- Improved real-time arc control for fibers with poor cleave angles
- Automated wind protector, sheath clamps and splice operation
- Loose and tight buffer with same sheath clamp
- Lithium-ion battery with 300 splices/shrinks per charge
- PC software and 90S+ manual downloaded from splicer
- Multi-function transit case with integrated workstation

Applications

- Distribution fiber repair
- Long-haul network installation
- Field termination with splice-on connectors
- Access network installation
- Fanout kits, pigtails and splice cassettes
- OSP cable installation and repair
- Optical modules splitters, couplers, MUXs, EDFAs and attenuators

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AFL NO.

S017098 S017099 S017103 S017518 S017696 S014773 S010532 S017515 S017516 S017517 S017522 S017523 S017524 S017525 S017550 S014777 S017514 S014397 S017549

Fujikura 90S Fusion Splicer

Fujikura 90S+ Fusion Splicer

Ordering Information

DESCRIPTION	AFL NO.
90S+ Fusion Splicer (machine only) Includes: ADC-20 AC Adapter, ACC-14 AC Cord, BTR-15 Battery, ELCT2-16B Spare Electrodes (pair), Sheath Clamps, SP-03 Fiber Holder Set Plates, USB-01 Cable, Alcohol Dispenser, Screwdriver, Splicer Carrying Strap, Quick Reference Guide, TS-03 Tripod Screw, Work Tray J-Plate, SS03 single fiber stripper, CC39 Transit Case with Carrying Strap and Two Year Warranty	S017519
90S+ Fusion Splicer Kit (with cleaver) Includes: CT50 Cleaver, ADC-20 AC Adapter, ACC-14 AC Cord, BTR-15 Battery, ELCT2-16B Spare Electrodes (pair), Sheath Clamps, SP-03 Fiber Holder Set Plates, USB-01 Cable, Alcohol Dispenser, Screwdriver, Splicer Carrying Strap, Quick Reference Guide, TS-03 Tripod Screw, Work Tray J-Plate, SS03 single fiber stripper, CC39 Transit Case with Carrying Strap and Two Year Warranty	S017521
90S+ Fusion Splicer without Bluetooth (machine only) Includes: ADC-20 AC Adapter, BTR-15 Battery, ACC-14 AC Cord, ELCT2-16B Spare Electrodes (pair), Sheath Clamps, SP-03 Fiber Holder Set Plates, USB-01 Cable, Alcohol Dispenser, Screwdriver, Splicer Carrying Strap, Quick Reference Guide, TS-03 Tripod Screw, Work Tray J-Plate, SS03 Single Fiber Stripper, CC39 Transit Case with Carrying Strap and Two Year Warranty	S017520
One Year Extended Warranty	S012996
Two Year Extended Warranty	S013000

Recommended Products for the 90S+

DESCRIPTION	AFL NO.	DESCRIPTION
Cleavers		Miscellaneous
CT-16 Cleaver	S018330	SS03 Single fiber stripper (3 hole)
CT-50 Cleaver	S017030	SS01 Single fiber stripper (1 hole)
Fiber Holders (pair)		ELCT2-16B Electrodes
-H-70-250 (250 μm coated fiber)	S017111	SP-03 Fiber Holder Set Plates
-H-70-900 (900 μm jacketed fiber)	S017113	S90 Universal Sheath Clamps
-H-70-160 (160 μm coated fiber)	S017095	Portable Tripod Workstation (see product profile for more deta
-H-70-200 (200 μm coated fiber)	S017711	ASW-02 Splicing Workstation (see product profile for more deta
FH-60-LT900 (Loose buffer 900 μm fiber)	S015181	WT-09R Work Tray Right
FUSEConnect [®] Accessories		WT-09L Work Tray Left
FH-FC-20 (900 μm within 2.0 mm sheathing) (each)	S014696	JP-09 Work Tray J-Plate
FH-FC-30 (900 μm within 3.0 mm sheathing) (pair)	S014695	JP-10 J-Plate (Cooling tray attaches to splicer)
FH-FC-900 (900 μm cable) (each)	S014697	JP-10-FC J-Plate with Fiber Clamps
CLAMP-FC-2000 (pair)	S014705	TS-03 Tripod Screw (90 Series)
CLAMP-FC-3000 (single holder)	S014704	ST-02 Fusion Splicer Strap
Power Supply Options and Equipment		CLAMP-DC-12 (Drop cable clamp for work tray)
ADC-20 AC Adapter	S017513	USB-01 Cable
ACC-14 AC Power Cord	S014536	CC39 Transit Case
BTR-15 Battery	S017512	Splicer V-Groove Cleaning Kit
DCC-20 Power Cord	S017527	ST-03 Case and Work Tray Strap
(connects AC Adapter to cigarette lighter socket)		
DCC-21 Power Cord	S017528	
(connects AC Adapter to power source via alligator clips)		

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Specifications

PARAMETER		VALUE
Fiber Alignment Method		Active core alignment
Fiber Count Can Be Spliced		Single fiber
Applicable Fiber	Fiber Type	Single-mode optical fiber
		Multimode optical fiber
	Cladding Diameter	80 to 150 µm
Angliaghla Capting	Charth Clares	Coating dia.: Max. 3,000 µm
Applicable Coating	Sheath Clamp	Cleave length: 5 to 16 mm
		ITU-T G.652: Avg. 0.02 dB
		ITU-T G.651: Avg. 0.01 dB
Fiber Splice Performance	Splice Loss	ITU-T G.653: Avg. 0.04 dB
		ITU-T G.654: Avg. 0.04 dB
		ITU-T G.655: Avg. 0.04 dB
		ITU-T G.657: Avg. 0.02 dB
		SM FAST mode: Avg. 8 to 10 sec.
	Splice Time	SM AUTO mode: Avg. 11 to 13 sec.
		AUTO mode: Avg. 14 to 16 sec.
	Sleeve Type	Heat-shrinkable sleeve
Applicable Protection Sleeve	Sleeve Length	Max. 66 mm
	Sleeve Dia.	Max. 6.0 mm before shrinking
Sleeve Heat Performance	Linet Time	60 mm slim mode: Avg. 9 to 10 sec.
Sleeve Heat Performance	Heat Time	60 mm mode: Avg. 13 to 15 sec.
Fiber Tensile Test Force		Approx. 2.0 N
Electrode Life		Approx. 5,000 splices
	Dimensions W	Approx.170 mm without projection
Discussion in the second second	Dimensions D	Approx.173 mm without projection
Physical Description	Dimensions H	Approx.150 mm without projection
	Weight	Approx. 2.8 kg including battery
	T	Operate: -10 to 50°C
Environmental Condition	Temperature	Storage: -40 to 80°C
	11	Operate: 0 to 95% RH non-condensing
	Humidity	Storage: 0 to 95% RH non-condensing
	Altitude	Max. 5,000 m
AC Adaptor	Input	AC100 to 240 V, 50/60 Hz, Max. 1.5 A
	Туре	Rechargeable Lithium Ion
	Output	Approx. DC14.4V / 6,380 mAh
	Capacity	Approx. 300 splice and heat cycles
Battery Pack		Recharge: 0 to 30°C
	Temperature	Storage: -20 to 30°C
	Battery Life	Approx. 500 recharge cycles
	Recharge Time	Approx. 5-8 hours from empty
	LCD Monitor	TFT 5 inches with touch screen
Display	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, 500 mA
	Ribbon Stripper	Mini DIN 6 pin, DC12V, Max. 1A
	Wireless	Bluetooth 4.1 LE
	Splice Mode	100 splice modes
	Heat Mode	30 heat modes
Data Storage	Splice Result	20,000 splices
	Splice Image	100 images
Screw Hole For Tripod		1/4-20 UNC
Other Features	Automatic Functions	Splice mode select by fiber type analysis
		Discharge power calibration
		Wind protector: open/close
		Sheath clamp: open
		Heater lid: open/close
		Heater clamp: open/close
	Reference Guide	Video and PDF file stored in splicer
	Sheath Clamp	Easy sleeve positioning clamp
	Electrode	Replaceable without tool
	LIECTIONE	neplaceable without tool

 $\ensuremath{\mathbb{C}}$ Toner Cable Equipment, Inc.