



## Fusion Splicing Systems

### Fujikura 62S Fusion Splicer



The Fujikura 62S provides active core alignment splice loss performance while utilizing a conventional wind protector and tube heater design. An alternative to the fully automated core-alignment model 70S, the 62S includes an auto-start feature for both the splicing and tube heating process that minimizes the steps necessary to process splices. With a shrink time of 23 seconds with standard splice sleeves, the 62S ensures a high level of productivity. Incorporating the proven ruggedized features pioneered by Fujikura, durability is greatly enhanced by a mirrorless optical system and "severe-impact resistant" monitor. Battery capacity is 200 splices/shrinks. The transit case doubles as a built-in or mobile workstation and makes splicing easier than ever.

#### Features

- 5,000 splices electrode life
- 23 second tube heating time with standard sleeves
- Fully ruggedized for shock, dust and moisture
- Li-ion battery with 200 splices/shrinks per charge
- 5 mm cleave length for splice on connector or small package needs
- Sheath clamp or fiber holder operation
- Internet software upgrades
- Multi-function transit case with integrated workstation



### Ordering Information

DESCRIPTION	AFL NO.
<b>62S Fusion Splicer (machine only)</b> <b>Includes:</b> ADC-18 AC Adapter, ACC-14 AC Cord, ELCT2-20A Spare Electrodes (pair), S21A Sheath Clamp, Sleeve Loader, USB Cable, Alcohol Pot, Screwdriver, Splicer Carrying Strap, Quick Reference Guide, Video Instruction Manual and CC-24 Transit Case with Carrying Strap	S016279
<b>62S Fusion Splicer Kit (with CT-06A cleaver)</b> <b>Includes:</b> CT-06A Cleaver, ADC-18 AC Adapter, ACC-14 AC Cord, ELCT2-20A Spare Electrodes (pair), S21A Sheath Clamp, Sleeve Loader, USB Cable, Alcohol Pot, Screwdriver, Splicer Carrying Strap, Quick Reference Guide, Video Instruction Manual and CC-24 Transit Case with Carrying Strap	S016282
<b>62S Fusion Splicer Kit (with CT-06A cleaver, battery and cord)</b> <b>Includes:</b> BTR-09 Battery, DCC-18 Battery Charge Cord, CT-06A Cleaver, ADC-18 AC Adapter, ACC-14 AC Cord, ELCT2-20A Spare Electrodes (pair), S21A Sheath Clamp, Sleeve Loader, USB Cable, Alcohol Pot, Screwdriver, Splicer Carrying Strap, Quick Reference Guide, Video Instruction Manual and CC-24 Transit Case with Carrying Strap	S016283
<b>62S Fusion Splicer Kit (with CT-30A cleaver)</b> <b>Includes:</b> CT-30A Cleaver, ADC-18 AC Adapter, ACC-14 AC Cord, ELCT2-20A Spare Electrodes (pair), S21A Sheath Clamp, Sleeve Loader, USB Cable, Alcohol Dispenser, Screwdriver, Splicer Carrying Strap, Quick Reference Guide, Video Instruction Manual and CC-24 Transit Case with Carrying Strap	S016280
<b>62S Fusion Splicer Kit (with CT-30A cleaver, battery and cord)</b> <b>Includes:</b> BTR-09 Battery, DCC-18 Battery Charge Cord, CT-30A Cleaver, ADC-18 AC Adapter, ACC-14 AC Cord, ELCT2-20A Spare Electrodes (pair), S21A Sheath Clamp, Sleeve Loader, USB Cable, Alcohol Dispenser, Screwdriver, Splicer Carrying Strap, Quick Reference Guide, Video Instruction Manual and CC-24 Transit Case with Carrying Strap	S016281
One Year Extended Warranty	S012996
Two Year Extended Warranty	S013000

## Fujikura 62S Fusion Splicer

### Recommended Accessories for the 62S

DESCRIPTION	AFL NO.
<b>Cleavers</b>	
CT-06A Cleaver	S015276
CT-30A Cleaver	S014080
<b>Fiber Holders</b>	
FH-60-250 Fiber Holder (pair)	S014548
FH-60-900 Fiber Holder (pair)	S014549
FH-60-160 Fiber Holder (pair)	S014690
FH-60-LT900 Fiber Holder (pair)	S015181
FH-60-LT900 Single Side Fiber Holder	S015275
<b>FUSEConnect® Accessories</b>	
FH-FC-20 (900 μm within 2.0 mm sheathing) (each)	S014696
FH-FC-30 (900 μm within 3.0 mm sheathing) (pair)	S014695
FH-FC-900 (900 μm cable) (each)	S014697
CLAMP-FC-2000 (pair)	S014705
CLAMP-FC-3000 (pair)	S014704
<b>Sheath Clamps</b>	
CLAMP-S21A Sheath Clamp (Coating diameter from 100 μm - 1000 μm (5-16 mm cleave))	S016160
CLAMP-S21B Sheath Clamp (900 μm diameter loose tube fiber (5-16 mm cleave))	S016161

DESCRIPTION	AFL NO.
<b>Batteries and Power Cords</b>	
ADC-18 AC Adapter	S015585
ACC-14 AC Power Cord	S014536
BTR-09 Battery	S015581
DCC-18 Battery Charge Cord	S015582
DCC-12 Power Cord (connects AC Adapter to cigarette lighter socket)	S013552
DCC-13 Power Cord (connects AC Adapter to power source via alligator clips)	S013556
<b>Miscellaneous</b>	
ELCT2-20A Electrodes	S013532
Portable Tripod Workstation (see product profile for more detail)	S014773
ASW-02 Splicing Workstation (see product profile for more detail)	S010532
JP-08 J-PLATE	S016284
SL-01 Sleeve Loader	S015674
USB Cable	S014777
CC-24 Transit Case	S016285

### Specifications

PARAMETER	VALUE
Model	62S Fusion Splicer
Applicable Fibers	Single-mode (G.652 and G.657), Multimode (G.651), DS (G.653), NZDS (G.655)
Cladding Diameter	80 μm to 150 μm
Coating Diameter	100 μm to 1,000 μm
Fiber Cleave Length	5 to 16 mm
Typical Average Splice Loss	0.02 dB with SM, 0.01 dB with MM, 0.04 dB with DS, 0.04 dB with NZDS, measured by cut-back method relevant to ITU-T standards
Splicing Time	ULTRA FAST mode — 6 seconds; SM FAST mode — 7 seconds; SM AUTO mode — 10 seconds with SM fiber
Arc Calibration Method	Automatic, real-time and by using results of previous splice when in AUTO mode, manual arc calibration function available
Splicing Modes	100 preset and user programmable modes
Splice Loss Estimate	Based upon dual camera core axis alignment data
Storage of Splice Result	Last 10,000 results stored in the internal memory
Fiber Display	X or Y, or both X and Y simultaneously. Front or rear monitor display options with automated image orientation
Magnification	320X for single X or Y view, or 200X for X and Y view
Viewing Method	Dual cameras with 4.7 inch TFT color LCD monitor
Operating Condition	0 to 5,000 m above sea level, 0 to 95%RH and -10 to 50°C respectively
Mechanical Proof Test	1.96 to 2.25N
Tube Heater	Built-in tube heater with 30 heating modes; auto-start function
Tube Heating Time	Typical 23 seconds with FP-03 sleeve, 17 seconds with FP3 (40), 5-16 seconds with Fujikura micro sleeves, 15 seconds with slim 60 mm and 40 mm sleeves
Protection Sleeve Length	60 mm, 40 mm, micro
Splice/Heat Cycles with Battery	Typical 200 cycles with power save functions activated
Electrode Life	5,000 Arc Discharges
Power Supply	Auto voltage selection from 100 to 240 V AC or 10 to 15 V DC with ADC-18, 14.8 V DC with BTR-09 battery
Terminals	USB 1.1 (USB-B type) for PC communication. Mini-DIN (6-pin) for HJS-02/03
Wind Protection	Maximum wind velocity of 15 m/s (34 mph)
Dimensions	146 W x 159 D x 150 H (mm) / 5.75 W x 6.25 D x 5.9 H (inches)
Weight	2.5 kg (5.5 lbs) with AC adapter ADC-18; 2.7 kg (5.95 lbs) with BTR-09 battery