

# Next- Generation Splicer!

Single Fiber Fusion Splicer

# Fujikura 19S



**World quickest splicing / tube-heating.**  
splicing : 9sec. / tube-heating : 14sec.

- Automated wind-protector.
- Minimum manual operation.  
Splice in 4 steps.
- Multi-functional carrying case  
with integrated work station.
- Absolute robustness.



# Fujikura 19S

## SPECIFICATIONS

Applicable fibers	Single / SMF(G.652/657), MMF(G.651), DSF(G.653), NZDSF(G.655)
Cladding dia./ Sheathe dia.	125 μm / 160μm to 3mm by fiber holder system
Cleave length	5mm to 16mm by sheath clamp
Splice mode / heating mode	Total 100 splice modes / 30 heating modes
Typical splice loss	0.05dB (SM), 0.02dB(MM), 0.08dB(DS) and 0.08dB(NZDS) Measured by cut-back method relevant to ITU-T and IEC standards.
Splice time / tube heating time	Typical 9sec with SM FAST, 11sec with SM AUTO / Typical 14sec with FP-03(60mm) sleeve
Splice result storage	Last 2000 splices
Viewing methods / magnification	2 axis CMOS camera with 4.73" color LCD. X / Y (320X magnification), or both X and Y simultaneously (200X magnification)
Tension test	1.96 to 2.25N
Applicable protection sleeve	60mm, 40mm and Fujikura micro sleeves
No. of splice / heating per battery full charge*1	Typical 180 cycles with BTR-09
Electrode life	3000 splices
Size / weight	146W x 159D x 150H (mm) / 2.5kg (including battery)
Operating condition	Altitude : 0 to 3,660m above sea level, Wind : 15m/sec Temperature : -10 to 50deg C, Humidity : 0 to 95%RH, non-dew
Resistance features*2	Shock : 30in all surface drop Dust : Exposure to dust (0.1 to 500μm dia Alumina Silicate) IP5X Rain : H=10mm/hr for 10min IPX2
Other features	PC software upgrade / data management
Terminals	USB 2.0 (Mini-B type) connector for PC communication. 6-pin Mini-DIN connector for HJS-02 or HJS-03 power supply.

\*1:one(1) splicing and heating cycle per two(2) min. under room temperature condition.

\*2:Carried out in Fujikura labs in Japan. The shock, dust and rain resistance test do not guarantee the product will not be damaged under these conditions.

## ACCESSORIES

Description	Model No.
High precision single fiber cleaver	CT-05 (for single fiber)
High precision fiber cleaver	CT-30 series (for single to 12 ribbon fibers)
Primary coat stripper	PS-02
Nylon jacket stripper	JS-01
Thermal jacket stripper	HJS-02, HJS-03
Protection sleeve	FP-03 / 03 (L=40) and FPS01 series

## OPTIONAL ITEMS

Description	Model No.	SET
Fiber holder	FH-60-250 (coating dia. of 250μm)	1pair
	FH-60-900 (coating dia. of 900μm)	1pair
	FH-60-DC250 (coating dia. of 250μm in drop cable)	1pair
	FH-FC-20 (coating dia. of 900μm in 2.0mm Sheath code)	1pc
	FH-FC-30 (coating dia. of 900μm in 3.0mm Sheath code)	1pc
	FH-60-LT900 (900μm dia. loose buffer fiber)	2pcs
Sheath clamp	CLAMP-S70A (included in standard package)	1pair
	CLAMP-S70B (900um dia. loose buffer fiber)	1pair
Battery pack	BTR-09 (Li-ion)*3	1pc
Battery charge cord	DCC-18	1pc
DC power cord	DCC-12 (for cigar-socket)	1pc
	DCC-13 (with alligator clamp)	1pc
Electrodes	ELCT2-20A	1pair

\*3:all senders must to obey the IATA regulation when transporting Li-ion battery by air.

## STANDARD PACKAGE

Description	Model No.	Q'ty
Fusion splicer	19S	1pc
AC adapter	ADC-18	1pc
AC power cord	ACC-XX XX=14(JP/US),15(EU),16(UK),17(AU)	1pc
Carrying case	CC-30	1pc
Spare electrodes	ELCT2-20A	1pair
Instruction manual CD	M-70 (Instruction manual and PC software)	1pc
Quick reference guide	Q-70S/19S-E (English)	1pc
Warning and cautions	W-70-E	1pc
USB cable	USB-01	1pc
Sleeve loader	SL-01	1pc
Alcohol pot	AP-01	1pc
Screw driver	SD-01	1pc

## STANDARD PACKAGE



Specifications and descriptions are subject to change without prior notice.

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