

# EVOLUTION!

**World's Quickest  
Splicing 6sec  
Tube-heating 9sec**



*Single Fiber Fusion Splicer*

# Fujikura 70S

*Core-to-Core alignment, Dual-axis observation system*



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



# Fujikura 70S

## SPECIFICATIONS

Applicable fibers	Single / SMF (G.652/657), MMF (G.651), DSF (G.653), NZDSF (G.655)
Cladding dia. / Sheath dia.	80-150µm / 100-3000µm
Cleave length	5mm to 16mm with sheath clamp
Splice mode / heating mode	Total 100 splice modes / 30 heating modes
Typical splice loss	0.02dB (SM), 0.01dB (MM), 0.04dB (DSF) and 0.04dB (NZDS) Measured by cut-back method relevant to ITU-T and IEC standards.
Return loss	>>60dB
Attenuation splice function	Intentional high splice loss of 0.1dB to 15dB (0.1dB step) can be made for an in-line fixed attenuator.
Typical splice time	6sec ULTRA FAST 7sec SM FAST, 10sec SM AUTO
Typical tube heating time	13sec FP-03, coating dia. 250µm 14sec FP-03, coating dia. 900µm 9sec Slim 60mm, coating dia. 250µm
Splice result storage	Last 20,000 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 200 cycles with BTR-09
Electrode life	5000 splices
Size / weight	146W x 159D x 150H (mm) / 2.7kg (including battery)
Operating condition	Altitude : 0 to 5,000m above sea level, Wind : 15m/sec Temperature : -10 to 50deg C, Humidity : 0 to 95%RH, non-dew
Resistance features*2	Shock : 76cm (30inch) 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-06 (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 FPS01series

## OPTIONAL ITEMS

Description	Model No.	SET
Fiber holder	FH-60-250 (coating dia. 250µm)	1pair
	FH-60-900 (coating dia. 900µm)	1pair
	FH-60-DC250 (coating dia. of 250µm in drop cable)	1pair
	FH-FC-20 (coating dia. of 900µm in 2.0mm Sheath dia.)	1pc
	FH-FC-30 (coating dia. of 900µm in 3.0mm Sheath dia.)	1pair
Sheath clamp	FH-60-LT900 (900µm dia. loose buffer fiber)	1pair
	CLAMP-S70C (included in standard package)	1pair
	CLAMP-S70D (900µm 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
J-Plate	JP-06	1pc

\*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	70S	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 (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



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Specifications and descriptions are subject to change without prior notice.

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