

# Fujikura 80S



## ***EVOLUTION!***

*World's quickest splicing 7sec. / tube-heating 14sec.*



*Single Fiber Fusion Splicer*  
**Fujikura 80S**  
*Core-to-Core alignment, Dual-axis observation system*

### **Automated wind-protector.**



- World's quickest splicing 7sec. / tube-heating 14sec.
- Minimal manual operation. Splice in 4 steps.
- Multi-functional carrying case with integrated work station.
- Absolute robustness.



 **Fujikura**

# Single Fiber Fusion Splicer Fujikura 80S

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

## SPECIFICATIONS

<b>Applicable fibers</b>	Single / SMF (G.652/657), MMF (G.651), DSF (G.653), NZDSF (G.655)
<b>Cladding dia.</b>	80-150um
<b>Cleave length</b>	5mm to 16mm with sheath clamp
<b>Splice mode / heating mode</b>	Total 100 splice modes / 30 heating modes
<b>Splice loss</b>	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.
<b>Splice time / tube heating time</b>	Typical 7sec with SM / Typical 14sec with FP-03 (60mm) sleeve
<b>Splice result storage</b>	Last 2000 splices
<b>Viewing methods / magnification</b>	2 axis CMOS camera with 4.73" color LCD. X / Y (320X magnification), or both X and Y simultaneously (200X magnification)
<b>Tension test</b>	1.96 to 2.25N
<b>Applicable protection sleeve</b>	60mm, 40mm and Fujikura micro sleeves
<b>No. of splice / heating per battery full charge</b>	Typical 200 cycles with BTR-09
<b>Electrode life</b>	3000 splices
<b>Size / weight</b>	146W x 159D x 150H (mm) / 2.7kg (including battery)
<b>Operating condition</b>	Altitude : 0 to 5,000m above sea level, Wind : 15m/sec Temperature : -10 to 50deg C, Humidity : 0 to 95%RH, non-dew
<b>Resistance features*1</b>	Shock : 76cm (30inch) all surface drop Dust : Exposure to dust (0.1 to 500um dia Alumina Silicate), IP5X Rain : H=10mm/hr for 10min, IPX2
<b>Other features</b>	PC software upgrade / data management
<b>Terminals</b>	USB 2.0 (Mini-B type) connector for PC communication. 6-pin Mini-DIN connector for HJS-02 or HJS-03 power supply.

\*1:Carried out in Fujikura labs in Japan. The shock resistance, dust resistance and rain resistance test do not guarantee that 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 FPS01series

## OPTIONAL ITEMS

Description	Model No.	SET
Fiber holder	FH-60-250 (coating dia. 250um)	1pair
	FH-60-900 (coating dia. 900um)	1pair
	FH-60-DC250 (coating dia. of 250um in drop cable)	1pair
	FH-FC-20 (coating dia. of 900um in 2.0mm Sheath dia.)	1pc
	FH-FC-30 (coating dia. of 900um in 3.0mm Sheath dia.)	1pc
	FH-60-LT900 (900um 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)*2	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

\*2:all senders have to obey the IATA regulation in case of Li-ion battery transportation by air.

## STANDARD PACKAGE

Description	Model No.	Q'ty
Fusion splicer	80S	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-80 (Manual and PC software)	1pc
Quick reference guide	Q-80S/19S-E (English)	1pc
Waning and cautions	W-80-E	1pc
USB cable	USB-01	1pc
Sleeve loader	SL-01	1pc
Alcohol pot	AP-01	1pc
Screw driver	SC-01	1pc

## STANDARD PACKAGE

