

# EVOLUTION!

**World's Quickest  
Splicing 11sec  
Tube-heating 18sec**



*Ribbon Fiber Fusion Splicer*  
**Fujikura 70R**  
*Fixed v-groove, Dual-axis observation system*



- Automated Wind-Protector
- Up to 12-fiber ribbon splicing.
- Minimum manual operation. Splice in 5 steps.
- Multi-functional carrying case with integrated work station.
- Absolute robustness.



# Fujikura 70R

## SPECIFICATIONS

Applicable fibers	SMF(G.652/657), MMF(G.651), DSF(G.653), NZDSF(G.655)
Fiber count	Single to 12
Cladding dia. / Sheath dia.	Single : 125µm / 160µm to 3mm by fiber holder system Ribbon : 125µm / Ribbon fiber thickness 0.25 to 0.4mm
Cleave length	10mm to 13mm
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.
Return loss	>>60dB
Typical splice time / Typical tube heating time	11sec with SM FAST, 15sec with SM AUTO / 18sec with FP-04(T) sleeve
Splice result storage	Last 2000 splices
Viewing methods / magnification	2 axis CMOS camera with 4.73" color LCD. X/Y (35 - 90X magnification, automatically change depending on fiber count), or both X and Y simultaneously
Tension test	1.96 to 2.25N
Applicable protection sleeve	60mm, 40mm and Fujikura micro sleeves
No. of splice / heating per battery full charge <sup>*1</sup>	Typical 110 cycles with BTR-09
Electrode life	1500 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 tests <sup>*2</sup>	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 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-04(T)/ 05/ 03 / 03(L=40) and FPS01series

## OPTIONAL ITEMS

Description	Model No.	SET
Fiber holder	FH-50-250 <sup>3</sup> , FH-60-250 (coating dia. of 250µm)	1pair
	FH-50-900 <sup>3</sup> (coating dia. of 900µm)	1pair
	FH-50-2 (2 fiber ribbon)	1pair
	FH-50-4 (4 fiber ribbon)	1pair
	FH-50-8 (8 fiber ribbon)	1pair
	FH-50-12 (12 fiber ribbon)	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)	1pair
	FH-60-LT900 (900µm dia. loose buffer fiber)	1pair
Battery pack	BTR-09 (Li-ion) <sup>4</sup>	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
Transfer clamp	CLAMP-DC (for drop cable)	1pc

<sup>3</sup>FH-50-250/900 improves usability with single fiber due to flange design. However it cannot be used with HJS-03.

<sup>4</sup>all senders must to obey the IATA regulation when transporting Li-ion battery by air.

## STANDARD PACKAGE

Description	Model No.	Q'ty
Fusion splicer	70R	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-70R/19R-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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