

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.
Splice time / tube heating time	Typical 11sec with SM FAST, 15sec with SM AUTO / Typical 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 ^{*1}	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 ^{*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 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 ³ , FH-60-250 (coating dia. of 250µm)	1pair
	FH-50-900 ³ (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) ⁴	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

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

⁴all 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



Please visit **NEW** web site!

<http://www.fusionsplicer.fujikura.com>



Facebook

<https://www.facebook.com/FujikuraFusionSplicers>



twitter

<https://twitter.com/fujikurasplicer>

Specifications and descriptions are subject to change without prior notice.

Fujikura Ltd.

Fujikura Asia Ltd.

Fujikura Europe Ltd.

AFL

Fujikura (China) Co., Ltd.

1-5-1, Kiba, Koto-ku, Tokyo 135-8512, Japan

Phone:+81-3-5606-1164 Fax:+81-3-5606-1534 <http://www.fujikura.com>

438A Alexandra Road, Block A Alexandra Technopark #08-03 Singapore 119967

Phone:+65-6-278-8955 Fax:+65-6-278-0965 <http://www.fujikura.com.sg>

C51 Barwell Business Park, Leatherhead Road, Chessington, Surrey KT9 2NY, UK

Phone:+44-20-8240-2000 Fax:+44-20-8240-2010 <http://www.fujikura.co.uk>

260, Parkway East, Duncan, SC29334, USA

Phone:+1-800-235-3423 Fax:+1-800-926-0007 <http://www.aflglobal.com>

7th Floor, Shanghai Hang Seng Bank Tower, 1000 Lujiazui Ring Road, Pudong New Area, Shanghai, 200120 CHINA

Phone +86-21-6841-3636 FAX +86-21-6841-2070